

1. Identification

Call

C1

Date of submission

21/04/2022

1.1. Full name of the project

Co-elaboration of a transnational certification standard and of a tool-box to promote energy transition in green industrial areas

129 / 250 characters

1.2. Short name of the project

GreenIndustrialAreas

20 / 20 characters

1.3. Programme priority

3. Climate-neutral societies

1.4. Programme objective

3.2 Energy transition

1.6. Project duration

Contracting start

22/09/2022

Contracting end

31/12/2022

Implementation start

01/01/2023

Implementation end

31/12/2025

Duration of implementation phase (months)

36

Closure start

01/01/2026

Closure end

31/03/2026

1.7. Project summary

To reduce both the Baltic Sea Region's (BSR) emissions of CO2 and its dependency from oil and gas imports, industrial activities need to be decarbonised. To encourage and mobilise industry's investments in decentralised renewable energy production, smart energy management and full energetic exploitation of energy sources in industrial processes, public authorities need innovative solutions that reliably lead to an increase of energy efficiency and hence a reduction of greenhouse gas emissions in industrial production processes. Industrial areas where different companies work in proximity to each other allow on one hand synergies accelerating return of investment. On the other hand, public authorities may actively encourage change through regulation, e.g. the planning of a green industrial area. As knowledge about available technological solutions especially involving smart tools is unevenly spread in the BSR, no transnational standard for the certification of such areas exists until today. Project partners therefore aim to compile their expertise and knowledge in a tool-box for industrial areas to become smart and climate-neutral and a transnational standard for the certification of green industrial areas aiming for climate-neutrality. These outputs represent approaches that any BSR public authority can apply to trigger investments and to frame their own instruments to accelerate the decarbonisation of industrial activities while honouring frontrunners with a quality label.

1,498 / 1,500 characters

1.8. Summary of the partnership

The GreenIndustrialAreas projects brings together public authorities of different levels, business support organisations and an energy consultancy that are united by the objective to co-elaborate, validate and upscale solutions aiming at the decarbonisation of business activities within industrial areas. Public authorities committed to reduce greenhouse gas emissions of their territories represent the project's main target group. They furthermore aim at strengthening the competitiveness of local industry for which reduced energy needs and climate-neutrality are key factors.

As owners or operators of industrial areas or through setting regulations for industrial areas in spatial and regional planning, public authorities are key actors to accelerate energy transition of business activities. In the project consortium, the LP, P4, P7, P8, P9 and P11 provide the spatial and regional planning expertise and ensure through their co-elaboration of solutions the applicability and wider transferability to other BSR territories.

Business support organisations represented in the partnership (P3, P5, P6, P10) are close to companies and therefore address their needs in the strife for a decarbonisation of business activities. On one hand, they are familiar with obstacles for investing in climate-neutrality. On the other hand, business support organisations provide expertise on how these obstacles may be overcome and how industry is mobilised to curb greenhouse gas emissions. Together, public authorities and business support organisations have the expertise to shape instruments including funding and spatial planning tools to further accelerate the decarbonisation of industrial production.

The partnership is completed by an energy consultancy (P2) with rich experience in sustainable climate protection concepts for both municipalities and enterprises. Additional expertise will be provided by associated partners that include a utility company (AO6, AO8), energy agencies (AO1, AO4), a umbrella organisation of local public authorities (AO2) and a network for the promotion of energy transition (AO9). Furthermore, regional public authorities join the wider partnership (AO3, AO5, AO7) as they are key partners for the dissemination, mainstreaming and hence uptake and upscaling of the project outputs. Associated partners are invited to participate in partnership events, to engage in peer review visits and to contribute with their expertise in all phases of the project.

Apart from pilot actions, which are implemented in DE, LV, PL, FI and DK, responsibilities among partners are equally distributed. Budget differences mainly result from different hourly rates applied. Additional duties and budgets are assigned to the LP to host the project's final event and to coordinate activities and reporting.

2,823 / 3,000 characters









1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	2,276,733.28
	Own contribution ERDF	0.00	569,183.32
	ERDF budget	0.00	2,845,916.60
NO	NO co-financing	0.00	0.00
	Own contribution NO	0.00	0.00
	NO budget	0.00	0.00
NDICI	NDICI co-financing	0.00	0.00
	Own contribution NDICI	0.00	0.00
	NDICI budget	0.00	0.00
RU	RU co-financing	0.00	0.00
	Own contribution RU	0.00	0.00
	RU budget	0.00	0.00
TOTAL	Total Programme co-financing	0.00	2,276,733.28
	Total own contribution	0.00	569,183.32
	Total budget	0.00	2,845,916.60

2. Partnership

2.1. Overview: Project Partnership

2.1.1 Project Partners

No.	LP/PP	Organisation (English)	Organisation (Original)	Country	Type of partner	Legal status	Partner budget in the project	Active/inactive	
								Status	from
1	LP	Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern	Ministerium für Wirtschaft, Infrastruktur, Tourismus und Arbeit Mecklenburg-Vorpommern	 DE	Regional public authority	a)	659,888.00 €	Active	22/09/2022
2	PP	Corporation for Regional Participation and Climate Protection mbH	Gesellschaft für regionale Teilhabe und Klimaschutz mbH	 DE	Small and medium enterprise	b)	219,940.00 €	Active	22/09/2022
3	PP	Kalundborg Symbiosis	Kalundborg Symbiose	 DK	Business support organisation	b)	333,790.20 €	Active	22/09/2022
4	PP	Kalundborg Municipality	Kalundborg Kommune	 DK	Local public authority	a)	189,054.00 €	Active	22/09/2022
5	PP	Podlaska Regional Development Foundation	Podlaska Fundacja Rozwoju Regionalnego	 PL	Business support organisation	b)	193,408.00 €	Active	22/09/2022
6	PP	Lithuanian Innovation Centre	Lietuvos inovacijų centras	 LT	Business support organisation	a)	121,182.00 €	Active	22/09/2022
7	PP	Regional Council of Central Finland	Keski-Suomen liitto	 FI	Regional public authority	a)	144,244.00 €	Active	22/09/2022
8	PP	City of Jyväskylä	Jyväskylän kaupunki	 FI	Local public authority	a)	403,934.40 €	Active	22/09/2022
9	PP	Zemgale Planning Region	Zemgales plānošanas reģions	 LV	Regional public authority	a)	219,492.00 €	Active	22/09/2022
10	PP	Sustainable Business Hub Scandinavia AB	Sustainable Business Hub Scandinavia AB	 SE	Business support organisation	b)	253,988.00 €	Active	22/09/2022
11	PP	Ministry of Environmental Protection and Regional Development of the Republic of Latvia	Latvijas Republikas Vides aizsardzības un reģionālās attīstības ministrija	 LV	National public authority	a)	106,996.00 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	Energy and Climate Protection Agency of Mecklenburg-Vorpommern GmbH (LEKA-MV)	Landesenergie- und Klimaschutzagentur Mecklenburg-Vorpommern GmbH (LEKA-MV)	 DE	Sectoral agency
AO 2	Association of Towns and Municipalities of Mecklenburg-Vorpommern e.V. (STGT-MV)	Städte- und Gemeindetag Mecklenburg-Vorpommern e.V. (STGT-MV)	 DE	NGO
AO 3	Region Zealand	Region Sjælland	 DK	Regional public authority
AO 4	Gate 21	Gate 21	 DK	Sectoral agency
AO 5	Marshall Office of the Voivodship Podlasie	Urząd Marszałkowski Województwa Podlaskiego	 PL	Regional public authority
AO 6	Alva Group Ltd.	Alva-yhtiöt Oy	 FI	Infrastructure and public service provider
AO 7	Skane Region	Region Skåne	 SE	Regional public authority
AO 8	Neustrelitz Utility Company GmbH	Stadtwerke Neustrelitz GmbH	 DE	Infrastructure and public service provider
AO 9	WIN - SSEC - Swedish Surplus Energy Collaboration	WIN - SSEC - Swedish Surplus Energy Collaboration	 SE	Interest group

2.2 Project Partner Details - Partner 1

LP/PP	Lead Partner		
Partner Status	Active		
	Active from	22/09/2022	Inactive from
Partner name:			
Organisation in original language	Ministerium für Wirtschaft, Infrastruktur, Tourismus und Arbeit Mecklenburg-Vorpommern		
	86 / 250 characters		
Organisation in English	Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern		
	78 / 250 characters		
Department in original language	Abteilung Energie und Landesentwicklung		
	39 / 250 characters		
Department in English	Department Energy and State Development		
	39 / 250 characters		

Partner location and website:

Address	Schloßstraße 6-8	Country	Germany
	16 / 250 characters		
Postal Code	19053	NUTS1 code	Mecklenburg-Vorpommern
	5 / 250 characters		
Town	Schwerin	NUTS2 code	Mecklenburg-Vorpommern
	8 / 250 characters		
Website	www.em.regierung-mv.de	NUTS3 code	Schwerin, Kreisfreie Stadt
	22 / 100 characters		

Partner ID:

Organisation ID type	Tax (identification) number (Steuer(identifikations)nummer)		
Organisation ID	090/144/03644		
	13 / 50 characters		
VAT Number Format	DE + 9 digits		
VAT Number	N/A <input type="checkbox"/>	DE317093825	
		11 / 50 characters	
PIC	n/a		
	3 / 9 characters		

Partner type:

Legal status	a) Public		
Type of partner	Regional public authority	Regional council, etc.	
Sector (NACE)	84.11 - General public administration activities		

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No
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Financial data	Reference period	01/01/2021	–	31/12/2021
	Staff headcount [in annual work units (AWU)]			54.0
	Employees [in AWU]			54.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			0.0
	Owner-managers [in AWU]			0.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]			0.0
	Annual turnover [in EUR]			9,157,900.00
	Annual balance sheet total [in EUR]			0.00
	Operating profit [in EUR]			0.00

Role of the partner organisation in this project:

As LP the Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern is responsible for the overall management and coordination of project activities, including the project's communication (e.g. website maintenance). The LP is supported by the subcontracted External Project Coordination Office (EPCO) on all operational management questions while WP2 and WP3 leaders contribute to the thematic steering of the project. Due to its previous experience with the certification of green industrial areas, the LP assumes furthermore the leadership in WP1 and for Activities 1.4 and 2.3. The LP hosts the project's Final conference. The LP actively contributes to all project activities and supports P2 in the implementation of pilot actions in Mecklenburg-Vorpommern. The ministry is responsible for the mainstreaming, further roll-out and upscaling of the project outcomes in its territory, including the incorporation of project learning in spatial and climate protection strategies.

1,000 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 2

LP/PP	Project Partner		
Partner Status	Active		
	Active from	22/09/2022	Inactive from
Partner name:			
Organisation in original language	Gesellschaft für regionale Teilhabe und Klimaschutz mbH		
	55 / 250 characters		
Organisation in English	Corporation for Regional Participation and Climate Protection mbH		
	65 / 250 characters		
Department in original language	n/a		
	3 / 250 characters		
Department in English	n/a		
	3 / 250 characters		

Partner location and website:

Address	Schelfstraße 35	Country	Germany
	15 / 250 characters		
Postal Code	19055	NUTS1 code	Mecklenburg-Vorpommern
	5 / 250 characters		
Town	Schwerin	NUTS2 code	Mecklenburg-Vorpommern
	8 / 250 characters		
Website	https://www.teilhabe-klimaschutz.de/	NUTS3 code	Schwerin, Kreisfreie Stadt
	36 / 100 characters		

Partner ID:	
Organisation ID type	Company registration number (Handelsregisternummer)
Organisation ID	HRB 9688 Schwerin 17 / 50 characters
VAT Number Format	DE + 9 digits
VAT Number	N/A <input type="checkbox"/> DE258186053 11 / 50 characters
PIC	n/a 3 / 9 characters

Partner type:	
Legal status	b) Private
Type of partner	<div>Small and medium enterprise</div> <div>Micro, small, medium enterprises < 250 employees, ≤ EUR 50 million turnover or ≤ EUR 43 million balance sheet total</div>
Sector (NACE)	71.12 - Engineering activities and related technical consultancy

Partner financial data:	
Is your organisation entitled to recover VAT related to the EU funded project activities?	Yes

Financial data	Reference period	01/01/2020	–	31/12/2020
	Staff headcount [in annual work units (AWU)]			8.0
	Employees [in AWU]			8.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			0.0
	Owner-managers [in AWU]			0.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]			0.0
	Annual turnover [in EUR]			1,425,866.58
	Annual balance sheet total [in EUR]			1,058,740.72
	Operating profit [in EUR]			293,782.93

Role of the partner organisation in this project:	
<p>As an energy consultancy, P2 takes a key role as a partner providing expertise and experiences from shaping local energy and climate protection concepts for both municipalities and enterprises. The company has furthermore provided consultation to industrial areas in Mecklenburg-Vorpommern who seeked a certification as a green industrial area within a state initiative. Against this background, gtk will take the lead of Activity 1.5.</p> <p>In WP2, gtk is responsible for the implementation of two pilot actions in Mecklenburg-Vorpommern (Lübessee and Neustrelitz) which aim to validate the approaches defined in WP1. The company therefore will co-lead WP2 and coordinate Activity 2.1. gtk's expertise in energy planning will help to elaborate compendia (WP1) due to constitute a tool-box as project output (WP2). The company will furthermore contribute to the dissemination and transfer activities (WP3). gtk will organise a study trip to an industrial area in coordination with the Final conference.</p>	

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?	
<input type="radio"/> Yes <input type="radio"/> No	

2.2 Project Partner Details - Partner 3	
LP/PP	Project Partner

Partner Status	<input type="text" value="Active"/>		
Active from	<input type="text" value="22/09/2022"/>	Inactive from	<input type="text"/>

Partner name:

Organisation in original language	<input type="text" value="Kalundborg Symbiose"/> <small>19 / 250 characters</small>		
Organisation in English	<input type="text" value="Kalundborg Symbiosis"/> <small>20 / 250 characters</small>		
Department in original language	<input type="text" value="n/a"/> <small>3 / 250 characters</small>		
Department in English	<input type="text" value="n7a"/> <small>3 / 250 characters</small>		

Partner location and website:

Address	<input type="text" value="Campus Kalundborg 3"/> <small>19 / 250 characters</small>	Country	<input type="text" value="Denmark"/>
Postal Code	<input type="text" value="4400"/> <small>4 / 250 characters</small>	NUTS1 code	<input type="text" value="Danmark"/>
Town	<input type="text" value="Kalundborg"/> <small>10 / 250 characters</small>	NUTS2 code	<input type="text" value="Sjælland"/>
Website	<input type="text" value="www.symbiosis.dk"/> <small>16 / 100 characters</small>	NUTS3 code	<input type="text" value="Vest- og Sydsjælland"/>

Partner ID:

Organisation ID type	<input type="text" value="Civil registration number (CPR)"/>		
Organisation ID	<input type="text" value="27884598"/>		
VAT Number Format	<input type="text" value="DK + 8 digits"/>		
VAT Number	<input type="checkbox" value="N/A"/> <input type="text" value="DK27 88 45 98"/> <small>13 / 50 characters</small>		
PIC	<input type="text" value="908188303"/> <small>9 / 9 characters</small>		

Partner type:

Legal status	<input type="text" value="b) Private"/>		
Type of partner	<input type="text" value="Business support organisation"/>	<input type="text" value="Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc."/>	
Sector (NACE)	<input type="text" value="71.12 - Engineering activities and related technical consultancy"/>		

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	<input type="text" value="Yes"/>
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Financial data	Reference period	01/01/2021	–	31/12/2021	
	Staff headcount [in annual work units (AWU)]				8.0
	Employees [in AWU]				4.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]				4.0
	Owner-managers [in AWU]				0.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]				0.0
	Annual turnover [in EUR]				267,457.00
	Annual balance sheet total [in EUR]				985,650.00
Operating profit [in EUR]				21,111.00	

Role of the partner organisation in this project:

Kalundborg Symbiosis is one of Europe's leading institutions in questions of industrial symbiosis, including inter-business synergies to curb energy needs and greenhouse gas emissions. Due to its technological expertise, the organisation will co-lead WP1 and assume responsibility for one of the foreseen compendia (A 1.3) while contributing to the other two. With the Kick-off meeting hosted by the local municipality (P4), partners will have the opportunity to visit Kalundborg Symbiosis and its industrial area at an early point in the project.

The organisation will carry out a pilot action (WP2) aimed at validating the approaches elaborated in WP1. Kalundborg Symbiosis participates actively in all other project activities, including the dissemination and transfer of found solutions (WP3). Here, the organisation will take use of its wide national and Baltic networks.

877 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 4

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	Inactive from	
Partner name:			
Organisation in original language	Kalundborg Kommune		
Organisation in English	Kalundborg Municipality		
Department in original language	Team Bæredygtig Udvikling		
Department in English	Team Sustainable Development		

Partner location and website:

Address	Holbækvej 141 B	Country	Denmark
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15 / 250 characters

Postal Code	<input type="text" value="4400"/> <small>4 / 250 characters</small>	NUTS1 code	<input type="text" value="Danmark"/>
Town	<input type="text" value="Kalundborg"/> <small>10 / 250 characters</small>	NUTS2 code	<input type="text" value="Sjælland"/>
Website	<input type="text" value="https://www.kalundborg.dk/"/> <small>26 / 100 characters</small>	NUTS3 code	<input type="text" value="Vest- og Sydsjælland"/>

Partner ID:

Organisation ID type	<input type="text" value="Civil registration number (CPR)"/>
Organisation ID	<input type="text" value="29189595"/>
VAT Number Format	<input type="text" value="DK + 8 digits"/>
VAT Number	N/A <input type="checkbox"/> <input type="text" value="DK29 18 95 95"/> <small>13 / 50 characters</small>
PIC	<input type="text" value="967898496"/> <small>9 / 9 characters</small>

Partner type:

Legal status	<input type="text" value="a) Public"/>	
Type of partner	<input type="text" value="Local public authority"/>	<input type="text" value="Municipality, city, etc."/>
Sector (NACE)	<input type="text" value="84.11 - General public administration activities"/>	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	<input type="text" value="No"/>
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Role of the partner organisation in this project:

As a local public authority, the municipality has a strong interest to provide to local businesses the necessary tools and information to consider investment decisions aiming to lead a company towards climate neutrality. Against that background, P4 takes the helm for the finalisation of the project's tool-box output (A 2.4), ensuring its added value. The municipality will actively participate in all other project activities, including the elaboration of compendia (WP1) and dissemination/transfer activities (WP3). Regarding the latter, P4 will be responsible for mainstreaming and the uptake project results in local planning and climate protection concepts. It will furthermore address national authorities to achieve an integration of found solutions in Danish national policies. P4 will host the Kick-off meeting of the project. Finally, in WP2, the local public authority will work closely together with P3 in the implementation of a pilot project in Kalundborg.

971 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 5

LP/PP	<input type="text" value="Project Partner"/>		
Partner Status	<input type="text" value="Active"/>		
Active from	<input type="text" value="22/09/2022"/>	Inactive from	<input type="text"/>

Partner name:

Organisation in original language	<input type="text" value="Podlaska Fundacja Rozwoju Regionalnego"/> <small>38 / 250 characters</small>
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Organisation in English	Podlaska Regional Development Foundation	40 / 250 characters
Department in original language	Dział Współpracy Międzynarodowej	32 / 250 characters
Department in English	International Affairs Department	32 / 250 characters

Partner location and website:

Address	Starobojarska 15	16 / 250 characters	Country	Poland
Postal Code	15-073	6 / 250 characters	NUTS1 code	Makroregion wschodni
Town	Białystok	9 / 250 characters	NUTS2 code	Podlaskie
Website	https://pfr.pl/	16 / 100 characters	NUTS3 code	Białostocki

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5421007427
VAT Number Format	PL + 10 digits
VAT Number	N/A <input type="checkbox"/> PL5421007427
PIC	999834388

Partner type:

Legal status	b) Private
Type of partner	Business support organisation
	Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.
Sector (NACE)	94.99 - Activities of other membership organisations n.e.c.

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No
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Financial data	Reference period	01/01/2020	–	31/12/2020
	Staff headcount [in annual work units (AWU)]			38.2
	Employees [in AWU]			35.2
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			0.0
	Owner-managers [in AWU]			3.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]			0.0
	Annual turnover [in EUR]			1,046,700.00
	Annual balance sheet total [in EUR]			17,700,797.00
	Operating profit [in EUR]			267,347.00

Role of the partner organisation in this project:

P5 in close collaboration with the Marshall Office of the Podlaskie voivodeship (AO5) is responsible for the project implementation in the Podlaskie region, Poland. As a non-profit business support organisation it is familiar with the questions and needs of companies and industrial areas that aim to curb their external energy dependency and to reduce their greenhouse gas emissions. Based on this experience, P5 will assume a leading role in the elaboration of one compendia (A 1.1) and contribute to the remaining ones. It will provide feedback to the elaborated certification guideline and selected energy planning tools (WP1). The foundation will carry out one of the project's pilot actions at Łomża Industry Park, carry out peer reviews and provide resulting expertise to the finalisation of outputs (WP2). Mainstreaming and dissemination activities in the Podlaskie region will be closely coordinated with the regional Marshall Office. P5 will host a partnership meeting.

979 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 6

LP/PP	Project Partner		
Partner Status	Active		
	Active from	22/09/2022	Inactive from
Partner name:			
Organisation in original language	Lietuvos inovacijų centras		
	26 / 250 characters		
Organisation in English	Lithuanian Innovation Centre		
	28 / 250 characters		
Department in original language	n/a		
	3 / 250 characters		
Department in English	n/a		
	3 / 250 characters		

Partner location and website:

Address	Mokslininkų st. 6A	Country	Lithuania
	18 / 250 characters		
Postal Code	08412	NUTS1 code	Lietuva
	5 / 250 characters		
Town	Vilnius	NUTS2 code	Sostinės regionas
	7 / 250 characters		
Website	https://lic.lt/	NUTS3 code	Vilniaus apskritis
	15 / 100 characters		

Partner ID:	
Organisation ID type	Legal person's code (Juridinio asmens kodas)
Organisation ID	110066875
VAT Number Format	Please select
VAT Number	N/A <input checked="" type="checkbox"/> 0 / 50 characters
PIC	999456476 9 / 9 characters

Partner type:	
Legal status	a) Public
Type of partner	<div>Business support organisation</div> <div>Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.</div>
Sector (NACE)	70.22 - Business and other management consultancy activities

Partner financial data:	
Is your organisation entitled to recover VAT related to the EU funded project activities?	No

Role of the partner organisation in this project:
<p>P6's main objective is increasing of Lithuanian international competitiveness by stimulating innovations in business, including the decarbonisation of industrial activities. As a common institution of two public and one private-sector shareholder (Ministry of Economy and Innovation, Ministry of Education, Science and Sports, Lithuanian Confederation of Industrialists), the centre has the capacity to unite the perspectives of public administration and business interest. P6 was therefore chosen to lead A 3.4 which addresses the further roll-out of the solutions found by the project. The centre will furthermore contribute actively to all other project activities, including the elaboration of compendia (WP1) and dissemination/transfer activities (WP3). In close collaboration with its public shareholders, P6 also addresses the durable integration of project outcomes in regional policies) in Lithuania.</p> <p style="text-align: right;">909 / 1,000 characters</p>

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?
<input type="radio"/> Yes <input type="radio"/> No

2.2 Project Partner Details - Partner 7			
LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	Inactive from	

Partner name:	
Organisation in original language	Keski-Suomen liitto 19 / 250 characters
Organisation in English	Regional Council of Central Finland 35 / 250 characters
Department in original language	n/a 3 / 250 characters
Department in English	n/a 3 / 250 characters

Partner location and website:

Address	<input type="text" value="Lutakonaukio 7"/> <small>14 / 250 characters</small>	Country	<input type="text" value="Finland"/>
Postal Code	<input type="text" value="40100"/> <small>5 / 250 characters</small>	NUTS1 code	<input type="text" value="Manner-Suomi"/>
Town	<input type="text" value="Jyväskylä"/> <small>9 / 250 characters</small>	NUTS2 code	<input type="text" value="Länsi-Suomi"/>
Website	<input type="text" value="https://keskisuomi.fi/"/> <small>22 / 100 characters</small>	NUTS3 code	<input type="text" value="Keski-Suomi"/>

Partner ID:

Organisation ID type	<input type="text" value="Business Identity Code (Y-tunnus)"/>
Organisation ID	<input type="text" value="0830155-3"/>
VAT Number Format	<input type="text" value="FI + 8 digits"/>
VAT Number	<input type="text" value="N/A"/> <input type="checkbox"/> <input type="text" value="FI08301553"/> <small>10 / 50 characters</small>
PIC	<input type="text" value="996687708"/> <small>9 / 9 characters</small>

Partner type:

Legal status	<input type="text" value="a) Public"/>	
Type of partner	<input type="text" value="Regional public authority"/>	<input type="text" value="Regional council, etc."/>
Sector (NACE)	<input type="text" value="84.11 - General public administration activities"/>	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	<input type="text" value="Yes"/>
--	----------------------------------

Role of the partner organisation in this project:

<input type="text" value="Representing a regional public authority and a key player of the BSR's spatial planning community, P7 will lead Activity 3.2 aiming at disseminating the outputs and solutions of the project. The administration will furthermore contribute to all other project activities with its expertise and knowledge, including the elaboration of compendia (WP1) and dissemination/transfer activities (WP3). On the local level, P7 closely collaborates with P8. The regional public authority furthermore is responsible for the mainstreaming of the project results in the Central Finland region, including the durable integration of project outcomes in the region's concepts and encouraging an uptake in local public authorities' development plans and climate strategies. P5 will host a partnership meeting."/>
--

791 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 8

LP/PP	<input type="text" value="Project Partner"/>		
Partner Status	<input type="text" value="Active"/>		
Active from	<input type="text" value="22/09/2022"/>	Inactive from	<input type="text"/>

Partner name:

Organisation in original language	Jyväskylän kaupunki	19 / 250 characters
Organisation in English	City of Jyväskylä	17 / 250 characters
Department in original language	Elinkeinoyksikkö / Business Jyväskylä	37 / 250 characters
Department in English	Business unit / Business Jyväskylä	34 / 250 characters

Partner location and website:

Address	Vapaudenkatu 32	15 / 250 characters	Country	Finland
Postal Code	40100	5 / 250 characters	NUTS1 code	Manner-Suomi
Town	Jyväskylä	9 / 250 characters	NUTS2 code	Länsi-Suomi
Website	https://www.jyvaskyla.fi/	25 / 100 characters	NUTS3 code	Keski-Suomi

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)	
Organisation ID	0174666-4	
VAT Number Format	FI + 8 digits	
VAT Number	N/A <input type="checkbox"/> FI01746664	10 / 50 characters
PIC	956756106	9 / 9 characters

Partner type:

Legal status	a) Public	
Type of partner	Local public authority	Municipality, city, etc.
Sector (NACE)	84.11 - General public administration activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	Yes
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Role of the partner organisation in this project:

The municipality manages several industrial zones where it has been pushing companies for dual digital and energy innovation. This experience will be shared with the partnership when P8 acts as group of activity leader in the elaboration of one of the compendia (A 1.2). The municipality will furthermore assume the responsibility for the thematic coordination of WP2 activities (WP2 leader). On the local level, P8 is responsible for the implementation of a pilot action in the Eteläportti industrial area of Jyväskylä. The municipality will actively contribute and participate in all other project activities, including the formulation of a certification guideline, two further compendia (WP1), peer reviews (WP2) and transfer activities (WP3). P8 will support the mainstreaming and upscaling activities of P7 and provide assistance to other Finnish local public authorities that are interested to adopt the project's solutions.

930 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 9

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	Inactive from	
Partner name:			
Organisation in original language	Zemgales plānošanas reģions		
Organisation in English	Zemgale Planning Region		
Department in original language	Attīstības nodaļa		
Department in English	Development Department		

Partner location and website:

Address	Katolu iela 2b	Country	Latvia
Postal Code	3001	NUTS1 code	Latvija
Town	Jelgava	NUTS2 code	Latvija
Website	http://www.zemgale.lv/	NUTS3 code	Zemgale

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90002182529
VAT Number Format	LV + 11 digits
VAT Number	N/A <input type="checkbox"/> LV90002182529
PIC	950629877

Partner type:

Legal status	a) Public
Type of partner	Regional public authority
Sector (NACE)	84.11 - General public administration activities

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?

No

Role of the partner organisation in this project:

Representing one of five planning regions in Latvia, P9 enriches the project partnership with a vast expertise in regional development and spatial planning - two domains where energy and the strife for climate-neutrality increasingly gain importance. Against this background, Zemgale Planning Region has been asked to lead the project's transfer work package (WP3). The planning authority will furthermore actively contribute to all project activities, including the elaboration of compendia (WP1) and the implementation of local dissemination activities (WP3). P9 will furthermore implement a pilot action in the Kaigu industrial zone to validate the approaches co-elaborated by the project team. Additionally, P9 will assess the potentials of the planning region's municipalities to increase decentral renewable energy production as part of an effort to achieve a larger number of green industrial areas.

906 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 10

LP/PP	Project Partner		
Partner Status	Active		
	Active from	22/09/2022	Inactive from
Partner name:			
Organisation in original language	Sustainable Business Hub Scandinavia AB		
	39 / 250 characters		
Organisation in English	Sustainable Business Hub Scandinavia AB		
	39 / 250 characters		
Department in original language	n/a		
	3 / 250 characters		
Department in English	n/a		
	3 / 250 characters		

Partner location and website:

Address	Nordenskiöldsgatan 24	Country	Sweden
	21 / 250 characters		
Postal Code	211 19	NUTS1 code	Södra Sverige
	6 / 250 characters		
Town	Malmö	NUTS2 code	Sydsverige
	5 / 250 characters		
Website	https://www.sbhub.se/	NUTS3 code	Skåne län
	21 / 100 characters		

Partner ID:

Organisation ID type	Organisation number (Organisationsnummer)		
Organisation ID	556641-2952		
VAT Number Format	SE + 12 digits		
VAT Number	N/A <input type="checkbox"/>	SE556641295201 <small>14 / 50 characters</small>	
PIC	951527224 <small>9 / 9 characters</small>		

Partner type:

Legal status	b) Private		
Type of partner	Business support organisation	Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.	
Sector (NACE)	71.12 - Engineering activities and related technical consultancy		

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	Yes
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Financial data	Reference period	01/01/2020	–	31/12/2020
	Staff headcount [in annual work units (AWU)]			16.0
	Employees [in AWU]			8.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			8.0
	Owner-managers [in AWU]			0.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]			0.0
	Annual turnover [in EUR]			998,724.00
	Annual balance sheet total [in EUR]			777,876.00
	Operating profit [in EUR]			12,726.00

Role of the partner organisation in this project:

SBH closely collaborates with Region Skåne as regional public administration in the implementation of the project. As such the organisation supports P9 in the leadership of WP3. SBH will furthermore make its rich expertise in sustainable business concepts and energy transition available to the partnership when it contributes to the elaboration of compendia, a certification guideline and a selection of suitable energy planning tools (WP1). Its cross-sectoral perspective enables SBH furthermore to provide good leadership in the implementation of peer reviews (A 2.2) and the realisation of local/national publicity campaigns to introduce the project outputs to a wider range of stakeholders (A 3.1). SBH will coordinate the uptake and durable integration of project outcomes with Region Skåne.

Coordinated with the Kick-off meeting hosted in Kalundborg, P10 organises a study visit to business parks in the Malmö/Lund area, where local smart energy grids were established.

978 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☐ Yes ☐ No

2.2 Project Partner Details - Partner 11

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	Inactive from	

Partner name:

Organisation in original language	Latvijas Republikas Vides aizsardzības un reģionālās attīstības ministrija	74 / 250 characters
Organisation in English	Ministry of Environmental Protection and Regional Development of the Republic of Latvia	87 / 250 characters
Department in original language	Reģionālās attīstības plānošanas nodaļa	39 / 250 characters
Department in English	Regional Development Planning Division	38 / 250 characters

Partner location and website:

Address	Pils iela 17	12 / 250 characters	Country	Latvia
Postal Code	1494	4 / 250 characters	NUTS1 code	Latvija
Town	Rīga	4 / 250 characters	NUTS2 code	Latvija
Website	https://www.varam.gov.lv/	25 / 100 characters	NUTS3 code	Rīga

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)	
Organisation ID	90000028508	
VAT Number Format	LV + 11 digits	
VAT Number	N/A <input checked="" type="checkbox"/>	0 / 50 characters
PIC	n/a	3 / 9 characters

Partner type:

Legal status	a) Public	
Type of partner	National public authority	Ministry, etc.
Sector (NACE)	84.11 - General public administration activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No
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Role of the partner organisation in this project:

The ministry represents Latvia's highest planning authority and leading political institution to promote the shift towards climate neutrality in all aspects of society. As such the ministry will take a leading role for Activity 3.3 dedicated to the mainstreaming (institutional uptake and upscaling) of the project's found solutions. Here, the ministry will investigate how learning and results of the project could be included in a national instrument to promote energy transition in industrial areas (e.g. marking zero-emission zones) and the national planning perspective.

The ministry will engage in all other project activities, including the monitoring of a pilot action realised by P9 in the Kaigu industrial zone. P11 will furthermore lead WP3 communication efforts in Latvia and contribute actively to the project output's dissemination. Thematic expertise will also be provided in the co-elaboration process (WP1). The ministry will host a partnership meeting in Latvia.

981 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

☒ Yes ☐ No

2.3 Associated Organisation Details - AO 1

Associated organisation name and type:

Organisation in original language	Landesenergie- und Klimaschutzagentur Mecklenburg-Vorpommern GmbH (LEKA-MV)	
	75 / 250 characters	
Organisation in English	Energy and Climate Protection Agency of Mecklenburg-Vorpommern GmbH (LEKA-MV)	
	77 / 250 characters	
Department in original language	n/a	
	3 / 250 characters	
Department in English	n/a	
	3 / 250 characters	
Legal status	a) Public	
Type of associated organisation	Sectoral agency	Local or regional development agency, environmental agency, energy agency, employment agency, etc.

Associated organisation location and website:

Address	Zur Schwedenschanze 15	Country	Germany
	22 / 250 characters		
Postal Code	18435		
	5 / 250 characters		
Town	Stralsund		
	9 / 250 characters		
Website	https://www.leka-mv.de/		
	23 / 100 characters		

Role of the associated organisation in this project:

LEKA-MV will only one hand provide consult and advice to the project in questions of renewable energies, energy efficiency and smart energy management. On the other one it represents a key actor in Mecklenburg-Vorpommern to spur the further roll-out of the project's found solutions. Contributions by LEKA-MV will therefore especially valuable for D 1.1, D 1.2, D 1.3 and D 3.4. In addition, the publicity campaign in Mecklenburg-Vorpommern will be coordinated with LEKA-MV (D 3.1), and the institution's staff will be invited to share its expertise as members of peer review teams (D 2.2).

LEKA-MV is an institution of the Mecklenburg-Vorpommern's regional government and provides consultation and support in all matters of energy and climate protection to businesses, municipalities and citizens.

800 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language	Städte- und Gemeindetag Mecklenburg-Vorpommern e.V. (STGT-MV) <div>61 / 250 characters</div>	
Organisation in English	Association of Towns and Municipalities of Mecklenburg-Vorpommern e.V. (STGT-MV) <div>80 / 250 characters</div>	
Department in original language	n/a <div>3 / 250 characters</div>	
Department in English	n/a <div>3 / 250 characters</div>	
Legal status	a) Public	
Type of associated organisation	NGO	Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address	Bertha-von-Suttner-Straße 5 <div>27 / 250 characters</div>	Country	Germany
Postal Code	19061 <div>5 / 250 characters</div>		
Town	Schwerin <div>8 / 250 characters</div>		
Website	https://www.stgt-mv.de/ <div>23 / 100 characters</div>		

Role of the associated organisation in this project:

STGT-MV represents the local public authorities of Mecklenburg-Vorpommern in the project, which on many occasions are owners and managers of industrial areas. As such STGT-MV provides input regarding the challenges and needs of municipalities and districts especially in the elaboration of a guideline for the certification of green industrial areas (D 1.4) as basis for an transnational standard. Furthermore, the association collaborates with the LP in the publicity and dissemination campaign (WP 3) to raise awareness among all local public authorities in the region about their opportunities to foster the decarbonisation of industrial activities. Staff of STGT-MV will be invited to provide the municipal perspective as members of peer review teams (D 2.2).

STGT-MV is an association of Mecklenburg-Vorpommern's local public authorities. It supports its members to tackle current challenges such as climate change and provides statements to laws and programmes to the regional government.

998 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language	Region Sjælland			15 / 250 characters
Organisation in English	Region Zealand			14 / 250 characters
Department in original language	Grøn omstilling			15 / 250 characters
Department in English	Green Transition			16 / 250 characters
Legal status	a) Public			
Type of associated organisation	Regional public authority	Regional council, etc.		

Associated organisation location and website:

Address	Alleen 15	9 / 250 characters	Country	Denmark
Postal Code	4180	4 / 250 characters		
Town	Sorø	4 / 250 characters		
Website	https://www.regionsjaelland.dk/			
	31 / 100 characters			

Role of the associated organisation in this project:

The regional public authority participates as associated partner in the project with focus on mainstreaming the project's found solutions and potential upscaling to other local public authorities of the area (D 3.3, D 3.4). As such the Region will assess the outputs of the project for their potential policy integration and the shaping of new funding and support mechanisms to spur the decarbonisation of industrial activities. Staff of Region Zealand will be invited to participate in transnational events of the project to co-shape the project's approaches and to share their points of view as peer reviewers (D 2.2).

620 / 1,000 characters

2.3 Associated Organisation Details - AO 4

Associated organisation name and type:

Organisation in original language	Gate 21		
	7 / 250 characters		
Organisation in English	Gate 21		
	7 / 250 characters		
Department in original language	n/a		
	3 / 250 characters		
Department in English	n/a		
	3 / 250 characters		
Legal status	b) Private		
Type of associated organisation	Sectoral agency	Local or regional development agency, environmental agency, energy agency, employment agency, etc.	

Associated organisation location and website:

Address	Liljens Kvarter 2	Country	Denmark
	17 / 250 characters		
Postal Code	2620		
	4 / 250 characters		
Town	Albertslund		
	11 / 250 characters		
Website	https://www.gate21.dk/		
	22 / 100 characters		

Role of the associated organisation in this project:

Gate 21 will only one hand provide consultancy and advice to the project in questions of renewable energies, energy efficiency and smart energy management. On the other one it represents a key actor in Denmark to spur the further roll-out of the project's found solutions. Contributions by Gate 21 will therefore especially valuable for D 1.1, D 1.2, D 1.3 and D 3.4. In addition, the publicity campaign in Denmark will be coordinated with Gate 21 (D 3.1), and the institution's staff will be invited to share its expertise as members of peer review teams (D 2.2).

Gate 21 is a network of the Greater Copenhagen region which provides consultation and support in all matters of energy and climate protection to businesses, researchers municipalities and citizens.

764 / 1,000 characters

2.3 Associated Organisation Details - AO 5

Associated organisation name and type:

Organisation in original language	Urząd Marszałkowski Województwa Podlaskiego			43 / 250 characters
Organisation in English	Marshall Office of the Voivodship Podlasie			42 / 250 characters
Department in original language	Region i gospodarka			19 / 250 characters
Department in English	Regional and economic development			33 / 250 characters
Legal status	a) Public			
Type of associated organisation	Regional public authority	Regional council, etc.		

Associated organisation location and website:

Address	Kardynała Stefana Wyszyńskiego 1	Country	Poland
	32 / 250 characters		
Postal Code	15-888		
	6 / 250 characters		
Town	Białystok		
	9 / 250 characters		
Website	https://www.wrotapodlasia.pl/		
	29 / 100 characters		

Role of the associated organisation in this project:

The regional public authority participates as associated partner in the project with focus on mainstreaming the project's found solutions and potential upscaling to other local public authorities of the voivodship (D 3.3, D 3.4). As such the Marshall Office will assess the outputs of the project for their potential policy integration and the shaping of new funding and support mechanisms to spur the decarbonisation of industrial activities. Staff of the Marshall Office will be invited to participate in transnational events of the project to co-shape the project's approaches and to share their points of view as peer reviewers (D 2.2).

640 / 1,000 characters

2.3 Associated Organisation Details - AO 6

Associated organisation name and type:

Organisation in original language	Alva-yhtiöt Oy		
	14 / 250 characters		
Organisation in English	Alva Group Ltd.		
	15 / 250 characters		
Department in original language	n/a		
	3 / 250 characters		
Department in English	n/a		
	3 / 250 characters		
Legal status	a) Public		
Type of associated organisation	Infrastructure and public service provi	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)	

Associated organisation location and website:

Address	Paperitehtaankatu 9	Country	Finland
	19 / 250 characters		
Postal Code	40100		
	5 / 250 characters		
Town	Jyväskylä		
	9 / 250 characters		
Website	https://www.alva.fi/		
	20 / 100 characters		

Role of the associated organisation in this project:

Alva, formally the Jyväskylä Energy Group, is the local electricity, water and district heat provider owned by the City of Jyväskylä. As such the company is a key player and partner for the decarbonisation of industrial activities of the city and its surroundings, especially in regard of more renewable energy use and decentralised production. Alva therefore provides crucial knowledge to the partnership regarding the technical feasibility of new technologies and their economies of scale (also in regard of CO2 reduction). The company will therefore be regularly consulted in the elaboration of deliverables D 1.1, D 1.2 and D 1.3. Furthermore, its staff will be invited to share their knowledge at some of the project's transnational events and as members of a peer review team.

782 / 1,000 characters

2.3 Associated Organisation Details - AO 7

Associated organisation name and type:

Organisation in original language	Region Skåne		12 / 250 characters
Organisation in English	Skane Region		12 / 250 characters
Department in original language	Regional utveckling, Miljö		26 / 250 characters
Department in English	Regional Development, Environment		33 / 250 characters
Legal status	a) Public		
Type of associated organisation	Regional public authority	Regional council, etc.	

Associated organisation location and website:

Address	Västra Storgatan 12	Country	Sweden
	19 / 250 characters		
Postal Code	291 89		
	6 / 250 characters		
Town	Kristianstad		
	12 / 250 characters		
Website	https://www.skane.se/		
	21 / 100 characters		

Role of the associated organisation in this project:

The regional public authority participates as associated partner in the project with focus on mainstreaming the project's found solutions and potential upscaling to other local public authorities of the area (D 3.3, D 3.4). As such the Region will assess the outputs of the project for their potential policy integration and the shaping of new funding and support mechanisms to spur the decarbonisation of industrial activities. Staff of Region Skåne will be invited to participate in transnational events of the project to co-shape the project's approaches and to share their points of view as peer reviewers (D 2.2).

618 / 1,000 characters

2.3 Associated Organisation Details - AO 8

Associated organisation name and type:

Organisation in original language	Stadtwerke Neustrelitz GmbH		27 / 250 characters
Organisation in English	Neustrelitz Utility Company GmbH		32 / 250 characters
Department in original language	n/a		3 / 250 characters
Department in English	n/a		3 / 250 characters
Legal status	a) Public		
Type of associated organisation	Infrastructure and public service provi	Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)	

Associated organisation location and website:

Address	Wilhelm-Stolte-Straße 90	Country	Germany
	24 / 250 characters		
Postal Code	17235		
	5 / 250 characters		
Town	Neustrelitz		
	11 / 250 characters		
Website	https://www.stadtwerke-neustrelitz.de/		
	38 / 100 characters		

Role of the associated organisation in this project:

The public-owned utility company provides gas, electricity, water, heat, wastewater and highspeed internet to the residents and companies of Neustrelitz. Together with the municipality, the utility provider develops the city's industrial areas. Since 2019, the company establishes a new industrial area next to the federal highway B96 and nearby its biomass power plant. The fairly new industrial area is supposed to be developed as a green industrial area, seeking the certification by the regional public authority. The site has therefore been chosen for a pilot action (to be realised by P2) to test the project's found solution.

The utility company will furthermore participate in transnational project events, including peer reviews, to benefit from the exchange of expertise and to build up its own capacities. The project partners will benefit from the point of view of the local public authority. The project will spur the exchange between AO6 and AO8 in regard of smart energy systems.

997 / 1,000 characters

2.3 Associated Organisation Details - AO 9

Associated organisation name and type:

Organisation in original language	WIN - SSEC - Swedish Surplus Energy Collaboration	
	49 / 250 characters	
Organisation in English	WIN - SSEC - Swedish Surplus Energy Collaboration	
	49 / 250 characters	
Department in original language	n/a	
	3 / 250 characters	
Department in English	n/a	
	3 / 250 characters	
Legal status	b) Private	
Type of associated organisation	Interest group	Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address	Scheelevägen 15	Country	Sweden
	15 / 250 characters		
Postal Code	223 70		
	6 / 250 characters		
Town	Lund		
	4 / 250 characters		
Website	https://sse-c.se/		
	17 / 100 characters		

Role of the associated organisation in this project:

SSEC is a network whose members are municipalities, research institutions, utility providers and private companies originally founded to promote the use of residual heat for urban food production and urban health. The network today provides support to its members in all questions of energy transition. Through its strong links to research, SSEC is a valuable associated partner to gain privileged access to latest technologies and research findings. Furthermore, SSEC will support the dissemination of the project outputs in Sweden.

534 / 1,000 characters

3. Relevance

3.1 Context and challenge

Industrial production and the energy needs of business operations represent about 30% of the European greenhouse gas emissions. Worldwide, companies and business parks have declared carbon reduction goals or have adopted eco-labels, yet in many cases without reference to a standard which would allow to transparently comprehend the actions taken to effectively reduce the carbon footprint of business activities.

Many enterprises are located in industrial areas (business parks, enterprise zones, etc) which are regulated by spatial planning and regional development policies. Many industrial areas are managed or owned by public bodies. Industrial areas therefore provide a setting for public policies to impact energy transition in industry, e.g. through localised smart energy grids, acceleration of the establishment of systems for the production, use and storage of renewable electricity from local sources, alignment of industry behind decarbonisation objectives. For industrial areas, there is a lack of comprehensive solutions i) to increase decentralised renewable energy production, ii) to enhance energy efficiency in industrial processes, and iii) to highlight and promote forerunners through a transnational standard for the certification of green industrial areas.

Moreover, the traditional approach to energy reduction and conversion to sustainable energy sources is mainly focussing on the power grid supply/demand, energy efficiency in production along with sustainable energy sources. Too little attention has been focussing on supplementing energy sources "hidden" in residuals from industry e.g., treated wastewater, steam condensate, energetic values of organic residuals and excess heat. Combining and realising these potentials supports efforts towards carbon neutrality at higher pace and generating higher value. Yet, the proximity of businesses in an industrial area provides an opportunity to advance innovative approaches to exploit energy synergies in industry.

1,994 / 2,000 characters

3.2 Transnational value of the project

The European Green Deal emphasises the objective of more decarbonised energy systems in the EU. This is underpinned by aspects such as the transition towards clean energy production, increased energy efficiency and the deployment of smart (digital) technologies (e.g. smart grids). Despite considerable advancements in parts of the Baltic Sea Region (BSR), additional measures to advance renewable energies, energy efficiency and smart energy managements are required throughout the region to achieve a further reduction of greenhouse gas emissions.

Throughout the Baltic Sea Region, local and regional public authorities play an indispensable role in the promotion of energy transition. As promoters of local economic development, many public authorities own, manage or regulate industrial areas where business activities are concentrated. The proximity of different companies within one area provides an ideal framework to take use of synergies which allow reducing the carbon footprint of industrial activities. The project therefore aims to pull on the expertise and experience of partners from Germany, Denmark, Sweden, Latvia, Lithuania, Poland and Finland to address this common opportunity through joint solutions.

Transnational collaboration will allow designing, testing and introducing a harmonised transnational standard for the certification of green industrial areas as a transparent tool to highlight and quantify energy transition in industrial areas. In addition, a tool-box combines state-of-the-art technologies, good practice examples from different BSR countries and approaches for public authorities (funding opportunities, regulations in local development plans, climate concepts) to further advance energy transition in industrial areas. Together these project outputs have the potential to positively impact energy transition as well as twin digital and energy innovation in industry and to leverage investments in smart local energy systems.

1,970 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
Regional public authority	<p>Regional public authorities and administration of all BSR countries play an important role in the coordination of policies and strategies within their region. This includes regional development/innovation, spatial and land use planning as well as efforts to decarbonise energy systems, including funding programmes. Regional public authorities and administrations are therefore addressed as key actors advancing the concept of green industrial areas and multipliers towards local public authorities.</p> <p>499 / 500 characters</p>	<p>Regional public authorities and administrations of the BSR region require tools to promote energy transition in industry as important contribution to achieve national (and regional) decarbonisation targets. Regional public authorities are therefore directly represented in the consortium (LP, P7, P9, AO3, AO5, AO7) to co-design the anticipated outputs and solutions.</p> <p>Regional public authorities are furthermore addressed by the project's mainstreaming activities (WP3). On one hand, regional public authorities will uptake and assume responsibility for the roll-out of the found solutions within their territories (e.g. coordinating the future certification of green industrial areas, set-up of funding programmes to encourage investments in smart energy systems). On the other one, the solutions provided by the project are used to rethink policies promoting territorial development, energy-neutrality and climate protection - particularly renewable electricity from locally available resources.</p> <p>1,000 / 1,000 characters</p>

Target group	Sector and geographical coverage	Its role and needs
Local public authority	<p>Local public authorities are responsible for the promotion of the economy, business activities and innovation on their territories. Moreover, many local public authorities (e.g. P4, P8) are themselves owners and managers of industrial areas, hence making them a key player in efforts to reduce the carbon footprint of business activities through increased use of renewable energy sources as well as enhanced energy efficiency, incl. smart digital tools and promotion of industrial symbiosis.</p> <p>491 / 500 characters</p>	<p>As promoters of local economic development and, in many cases, as owners and managers of local industrial areas, local public authorities are in need of integrated and innovative approaches aiming at promoting energy transition among local businesses. Local public authorities are therefore represented in the partnership (P4, P8, via AO2) and are furthermore addressed to uptake the project outcomes.</p> <p>The solutions provided by the project advance local climate protection and economic development plans as a certified green industrial area raises the competitiveness as a location of business activities. At the same time, it highlights the innovativeness of the companies active within the industrial area. Anticipated solutions furthermore advance local carbon-neutrality concepts.</p> <p>Partners of GreenIndustrialAreas aim at encouraging at least 10 further public authorities to enter a process to certify their industrial areas as means to promote the decarbonisation of business activities.</p> <p>995 / 1,000 characters</p>
Infrastructure and public service providers	<p>Utility companies which provide electricity (secondarily: gas, water) and manage the power grid are key actors for the objective of climate-neutral and smart industrial areas. Their partnership is essential to achieve high levels of renewable energy use, decentral production of renewable energy, smart energy management and further innovation to decarbonise business activities (e.g. P2X technologies). Across all partner territories they are regarded as key actors to be involved (especially WP 2).</p> <p>500 / 500 characters</p>	<p>Utility companies providing electricity or managing the power grid are under pressure to contribute to the objective of European climate-neutrality through their business activities. Due to carbon taxes and political pressure, they have a huge interest in innovations allowing them to increase the share of renewable energy provided and to introduce innovations that allow them to expand their business profiles (e.g. P2X technologies, provision of smart energy tools or smart grids).</p> <p>In the planning of investments in or nearby an industrial area the local utility providers are key actors as their support is crucial. They will therefore be invited to contribute to the co-elaboration of deliverables in WP 1 (especially D 1.1, D 1.2 and D 1.3), and asked to be involved as stakeholders in the pilot actions testing the elaborated certification standard (A 2.1). Utility providers are also addressed by awareness raising and publicity campaigns in WP 3 (A 3.1). AO6 and AO8 contribute directly.</p> <p>997 / 1,000 characters</p>
Small and medium enterprise	<p>Companies with business activities in industrial areas of the Baltic Sea Region are addressed by the project as those responsible for investment decisions leading to a reduction of greenhouse gas emissions. Towards them the cost benefits of reduced energy needs and the corporate social contribution in the combat against climate change will be emphasised.</p> <p>356 / 500 characters</p>	<p>Small and medium enterprises are confronted with the need to reduce the energy costs and carbon footprint of their business operations in order to remain competitive and profitable. Within addressed industrial areas, companies are conveyed as stakeholders and co-owners of a process leading to the certification of a green (climate-neutral and smart) industrial area. They are furthermore addressed to evaluate investments in decentralised production of energy from renewable sources, in smart energy management and energy efficiency. At the same time, given their proximity within an industrial area, SME are appealed to investigate potentials of industrial symbiosis to further reduce energy needs, e.g. the exploitation of one company's surplus heat for another one's production process.</p> <p>Throughout the partner regions, about 100 SME will be directly addressed by project activities (especially WP 2).</p> <p>905 / 1,000 characters</p>

Target group	Sector and geographical coverage	Its role and needs
Business support organisation	Business support organisations and networks of all BSR countries and industrial sectors play a pivotal role as multipliers of innovative approaches promoting energy transition and related benefits of companies who act as forerunners. Organisations such as innovation centres, cluster initiatives and other business networks will therefore be addressed as stakeholders of project activities (especially WP 2 pilot actions) and in the communication of project outcomes (WP 3).	Business support organisations aim at advancing the competitiveness of the companies they are representing, and to provide them support in overcoming current challenges. As such they are expected to have a natural interest in the project outputs and solutions as they represent means to decarbonise business activities and to exploit potentials of industrial symbiosis within an industrial area to reduce investment costs. Business support organisation (P3, P5, P6, P10, AO1, AO4) are therefore represented in the consortium to contribute to the co-design of the anticipated solutions from an industry perspective. Across all partner regions, business support organisations will furthermore be addressed as important stakeholders and multipliers in the promotion of the wider uptake and transfer of found solutions.

3.4 Project objective

Your project objective should contribute to:

Energy transition

The project aims to elaborate and introduce a standard for the certification of green (aiming for climate-neutrality) industrial areas as means to promote the wide uptake of innovations to reduce CO2 emissions in industrial areas. The certification is meant to make efforts to reduce greenhouse gas emission more transparent and to encourage companies to take further actions to curb their carbon footprint. The corresponding output includes a comprehensive guideline of the certification process, including stakeholder involvement and analysis of energy saving potentials. The transnational standard for the certification of green industrial areas is complemented by a tool-box to further advance smart and climate-neutral industrial areas. The tool-box provides decision-makers of investments with a comprehensive overview of state-of-the-art technologies to decarbonise business activities. Similarly, the standard for the certification shall cover all aspects of energy in business operations within an industrial area and serve as a driver for innovation and investments to reduce the carbon footprint of business operations. The certification process shall be characterised by broad stakeholder participation, enhancement of knowledge about available good practises and consulting support to advance ambitious objectives, innovation and promotion of investments to decarbonise business activities. At the end of the process a quality label is awarded to industrial areas fulfilling minimum criteria and aiming for further improvement. The solution is addressed to existing industrial areas but industrial areas which are in their planning or build-up phase may also profit from it.

The project's solution has furthermore the potential to lead to development models (or plans, programs) for green industrial zones, which would be coordinated with the priorities at the national level in each country, hence contributing to the aim to achieve EU energy independency through decarbonisation.

3.5 Project's contribution to the EU Strategy for the Baltic Sea Region

Please indicate whether your project contributes to the implementation of the Action Plan of the EU Strategy for the Baltic Sea Region (EUSBSR).

☒ Yes ☐ No

Please select which Policy Area of the EUSBSR your project contributes to most.

PA Energy

Please list the action of this Policy Area that your project contributes to and explain how.

The project contributes to actions #1 and #4 of the EUSBSR's action plan for PA Energy:

- #1: Streamlining efforts on energy efficiency in the region by deepening regional cooperation. The action calls for the sharing of good practices and the integration of the "energy efficiency first" principle in public policies (e.g. spatial planning) and investment decisions. By addressing potentials to reduce the carbon footprint of industrial production in industrial areas, the project advances the concept of climate neutral and smart industrial areas in the BSR. A tool-box of state-of-the-art technologies makes good practices and technological advancements widely available. Through the development and introduction of a scheme to certify and award a quality label to green industrial areas, public authorities and other managers of industrial areas receive a tool to promote ambitious investments to decarbonise industrial processes.

- #4: Increasing the share of renewable energy: The project contributes to raise the share of renewable energy supply as minimum standards, coordinated with national objectives for carbon neutrality, are applied in the certification of green industrial areas. Furthermore, a tool-box of the state-of-the-art technologies in renewable energy technologies in electricity, heating and cooling and transport, solutions to further tap hidden energy reduction potentials (e.g. water), and decentral renewable energy production, takes full use of the BSR's R&D capacity.

If applicable, please describe which other Policy Areas of the EUSBSR your project contributes to and how.

The project will furthermore contribute to the EUSBSR's PA Spatial planning, specifically action #1 "Strengthening territorial cohesion in the BSR through land-based spatial planning", which underlines the need to apply place-based approaches to local and regional development policies. The project addresses industrial areas where business activities are concentrated and which represent in itself a micro-functional area with significant cooperation potentials of companies in all matters of energy transition. The project partners therefore impacts spatial planning strategies and programmes and territorial development plans, which are considered as important tools to strategically promote smart and climate-neutral industrial areas.

By addressing clean energy in coordination with spatial and land use planning, the project aims at implementing an integrated approach. Different target groups, including SME and public authorities of all levels, will become actively involved in the process.

3.6 Other political and strategic background of the project

Strategic documents

EU Green Deal - A new industrial strategy for Europe (COM(2020) 102 final): The strategy highlights the role of industry in Europe's twin digital and energy transition. The document outlines that companies "all have to work on reducing their own carbon footprints but also accelerate the transition by providing affordable, clean technology solutions and by developing new business models." The project contributes to this objective by advancing innovation and carbon reduction in industrial areas.

498 / 500 characters

VASAB Long-term perspective - In 2009 the ministers responsible for spatial planning and development in the Baltic Sea Region countries adopted a strategic document 'VASAB Long - Term Perspective for the Territorial Development of the Baltic Sea Region' (VASAB LTP). The document's revision process has been launched in 2022 (consultation process) and is expected to be finalised in 2023. Project results will impact the future perspective on energy transition with focus on green industrial areas.

498 / 500 characters

EU taxonomy - With the extension of the scope of the Non-Financial Reporting-Directive all companies listed on stock exchanges (since 2022 including SME) will have to report their activities to combat climate change and energy transition. Other energy-related aspects such as sustainable use of water and the reuse of materials and their energetic value are added from 2023 onwards. EU taxonomy will also begin addressing certification of business activities (incl. EMAS) for their climate footprint.

500 / 500 characters

3.7 Seed money support

Please indicate whether your project is based on a seed money project implemented in the Interreg Baltic Sea Region Programme 2014-2020.

☐ Yes ☒ No

3.8 Other projects: use of results and planned cooperation

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
<p>Baltic Energy Areas – A Planning Perspective (BEA-APP)</p> <p>54 / 200 characters</p>	<p>Interreg BSR 2014-2020</p> <p>22 / 200 characters</p>	<p>BEA-APP activities aimed at improving the capacities of BSR spatial planners to steer the growth of renewable energy production and use in a spatially compatible manner through formal and informal planning tools. Furthermore, the project paved the way for successful stakeholder involvement processes in energy transition.</p> <p>Among the informal planning tools resulting from BEA-APP has been a state initiative "Grüne Gewerbegebiete in M-V" (green industrial areas) in Mecklenburg-Vorpommern, which has already led to the certification of three green industrial areas. The solutions to be elaborated by GreenIndustrialAreas will build on these experiences and tools and advance them through transnational and interdisciplinary cooperation.</p> <p>Lessons of BEA-APP are available to the partnership through the LP, P7, P9.</p> <p>814 / 1,000 characters</p>
<p>Baltic Industrial Symbiosis (BIS)</p> <p>33 / 200 characters</p>	<p>Interreg BSR 2014-2020</p> <p>22 / 200 characters</p>	<p>The project advanced concepts of industrial symbiosis in the BSR and has resulted in a number of outputs and experiences on which GreenIndustryAreas will be able to capitalise on. In more detail, BIS explored means to connect companies from different industries in order to use one company's waste, in the form of e.g. energy, ingredients or materials, as a resource for the next company.</p> <p>Results of the project are especially meaningful since the proximity of different companies' industrial processes within an industrial area represents an ideal framework to investigate synergies which lead to a reduction of primary energy needs and hence a decarbonisation of business activities (e.g. use of residual heat or cooling water by another company).</p> <p>Lessons of BIS are made exploitable to the consortium by P3 and P4.</p> <p>819 / 1,000 characters</p>

3.10 Horizontal principles

Horizontal principles	Projects's direct impact
Sustainable development	positive
Non-discrimination including accessibility	neutral
Equality between men and women	neutral

4. Management

Allocated budget

4.1 Project management

☒ Please confirm that the lead partner and all project partners will comply with the rules for the project management as described in the Programme Manual.

If relevant, please indicate any other important aspects of the project management, e.g. external entity supporting the lead partner in the management of the project, advisory board, steering committee, any other relevant working groups, etc.

The management structure is composed of two levels: 1) the strategic decision-making and monitoring by the members of the Steering committee, and 2) the project managers of each PP supported by an External Project Coordination Office (subcontracted and financed by LP). For day-to-day management, each PP nominates a manager to coordinate activities and tasks of the organisation in all WP, reporting, and act as first contact person for all other PP. Managers exchange monthly (online or offline).

498 / 500 characters

4.2 Project financial management

☒ Please confirm that the lead partner and all project partners will comply with the rules for the financial management and control as described in the Programme Manual.

If relevant, please indicate any other important aspects of the financial management, e.g. external entity supporting the lead partner, positions planned for financial management, involvement of special financial experts (e.g. for public procurement), etc.

The financial management on project-level in responsibility of the LP will be supported by an External Project Coordination Office (EPCO) which monitors the overall budget spending, flexibility and advise the LP and Steering group of potential risks that need to be addressed. The EPCO furthermore acts as help desk for any financial question of any partner, including required procurement procedures, financial reporting (incl. simplified cost options) and overall budget spending.

480 / 500 characters

4.3 Input to Programme communication

☒ Please confirm that you are aware of the obligatory inputs to Programme communication that must be submitted along the pre-defined progress reports, as described in the Programme Manual.

If relevant, please describe other important aspects of project communication that you plan to introduce, e.g. a communication plan, opening and closing events, social media channel(s) etc.

The project will actively contribute to the programme's communication by regularly maintaining and updating the project website, through contributions about project achievements to the programme's communication, and by sharing information about the project and the BSR programme on the partner institutions' websites. A Final conference will be used to disseminate project outputs to a wider community of energy and spatial planners of the BSR. WP 3 activities further contribute to communication.

497 / 500 characters

4.4 Cooperation criteria

Please select the cooperation criteria that apply to your project. In your project you need to apply at least three cooperation criteria. Joint development and joint implementation are the obligatory ones you need to fulfill in your project.

Cooperation criteria

Joint Development ☒

Joint Implementation ☒

Joint Staffing ☒

Joint Financing ☒

5. Work Plan

Number	Work Package Name												
1	Preparing solutions												
	<table> <tr> <th>Number</th><th>Group of Activity Name</th></tr> <tr> <td>1.1</td><td>Co-elaboration of a State-of-the-art compendium of technologies to increase renewable energy use</td></tr> <tr> <td>1.2</td><td>Co-elaboration of a State-of-the-art compendium on energy efficiency and smart energy management</td></tr> <tr> <td>1.3</td><td>Co-elaboration of a State-of-the-art compendium to further lower greenhouse gas emissions</td></tr> <tr> <td>1.4</td><td>Codesign of a Guideline for the certification of green industrial areas aiming at climate-neutrality</td></tr> <tr> <td>1.5</td><td>Analysis and assessment of available energy planning and visualisation tools</td></tr> </table>	Number	Group of Activity Name	1.1	Co-elaboration of a State-of-the-art compendium of technologies to increase renewable energy use	1.2	Co-elaboration of a State-of-the-art compendium on energy efficiency and smart energy management	1.3	Co-elaboration of a State-of-the-art compendium to further lower greenhouse gas emissions	1.4	Codesign of a Guideline for the certification of green industrial areas aiming at climate-neutrality	1.5	Analysis and assessment of available energy planning and visualisation tools
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2	WP2 Piloting and evaluating solutions												
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3	WP3 Transferring solutions												
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Work plan overview

	Period: 1	2	3	4	5	6	Leader
WP.1: Preparing solutions							PP1
A.1.1: Co-elaboration of a State-of-the-art compendium of technologies to increase renewable energy use							PP5
D.1.1: Compendium of available technologies to increase renewable energy supply and use		D					PP8
A.1.2: Co-elaboration of a State-of-the-art compendium on energy efficiency and smart energy management							PP3
D.1.2: Compendium of available technologies for energy efficiency and smart energy management		D					PP1
A.1.3: Co-elaboration of a State-of-the-art compendium to further lower greenhouse gas emissions							PP2
D.1.3: Compendium of available technologies to further lower greenhouse gas emissions		D					
A.1.4: Codesign of a Guideline for the certification of green industrial areas aiming at climate-neutrality			D				
D.1.4: Guideline for the certification of green industrial areas aiming at climate-neutrality			D				
A.1.5: Analysis and assessment of available energy planning and visualisation tools							
D.1.5: Compilation of energy planning and visualisation tools			D				
WP.2: WP2 Piloting and evaluating solutions							PP8
A.2.1: Transnational pilot to test to draft solution in 6 industrial areas							PP2
D.2.1: Comprehensive pilot action report				D			PP10
A.2.2: Peer review to learn from pilot outcomes and establish minimum criteria of a green industrial area				D			PP1
D.2.2: Pilot action learning report					O		
A.2.3: Revision and finalisation of the Guideline for the certification of green industrial areas							PP4
O.2.3: Transnational standard for the certification of green industrial areas aiming for climate-neutrality					O		
A.2.4: Update of the compendia of state-of-the-art technologies available for industrial areas							
O.2.4: Tool-box for industrial areas to become smart and climate-neutral							
WP.3: WP3 Transferring solutions							PP9
A.3.1: Realisation of an awareness raising and publicity campaign							PP10
D.3.1: Campaign report					D		PP7
A.3.2: Dissemination to the BSR spatial and energy planning community							PP11
D.3.2: Dissemination report					D		
A.3.3: Mainstreaming project outputs to advance strategies, plans and policies							
D.3.3: Mainstreaming report					D		
A.3.4: Roll-out of systems for the certification of green industrial areas							PP6
D.3.4: Roll-out report					D		

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment
D 1.1	Compendium of available technologies to increase renewable energy supply and use	The compendium provides an overview of available approaches and state-of-the-art technological solutions in the production and use of renewable energy in an industrial area. For each featured technology, a comprehensive description is provided, good practice examples identified and information to assess investment costs and benefits are given. The deliverable complements D 1.2 and D 1.3, which together will form a joint output following a test in pilot actions (see WP 2). The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Tool-box of technologies available to industrial areas to become smart and climate-neutral	
D 1.2	Compendium of available technologies for energy efficiency and smart energy management	The compendium provides an overview of available approaches and state-of-the-art technological solutions in smart energy management and enhancement of energy efficiency that are suitable for use in an industrial area. For each featured technology, a comprehensive description is provided, good practice examples identified and information to assess investment costs and benefits are given. The deliverable complements D 1.1 and D 1.3, which together will form a joint output following a test in pilot actions (see WP 2). The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Tool-box of technologies available to industrial areas to become smart and climate-neutral	
D 1.3	Compendium of available technologies to further lower greenhouse gas emissions	The compendium provides an overview of available approaches and state-of-the-art technological solutions to tap hidden energy saving potentials in an industrial area as means to further lower greenhouse gas emissions. For each featured technology, a comprehensive description is provided, good practice examples identified and information to assess investment costs and benefits are given. The deliverable complements D 1.1 and D 1.2, which together will form a joint output following a test in pilot actions (see WP 2). The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Tool-box of technologies available to industrial areas to become smart and climate-neutral	
D 1.4	Guideline for the certification of green industrial areas aiming at climate-neutrality	The deliverable describes the process and methodology of an industrial area's certification as a green industrial area. It details how managers of an industrial area can demonstrate that certain minimum standards (e.g. share of renewable energy sources in the overall energy use of the area) are fulfilled. The guideline outlines the process that leads to the awarding of a quality label to the industrial area as result of the accreditation process. The quality label highlights the combined efforts of an industrial area's stakeholders to push towards climate-neutrality and smart energy management. The guideline specifies how the process shall be used to inspire, encourage and leverage additional investments in decentralised renewable energies, energy efficiency and smart energy use. The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	
D 1.5	Compilation of energy planning and visualisation tools	The deliverable will document available energy planning and visualisation tools. Each one is presented by its terms of use, advantages and shortages. The tools are presented in a comprehensive and ready-to-be-applied manner for use in the project's pilot actions testing the certification approach. The deliverable will be discussed and endorsed by the project's Steering committee.	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	
D 2.1	Comprehensive pilot action report	The deliverable takes the form of a report to summarise the lessons learnt in 6 pilot actions carried out to test the elaborated solution. It describes how the deliverables co-designed in WP 1 were used in a practical setting. The report highlights strengths and weaknesses of the tested deliverables and identifies how the solutions need to be improved for an enhanced usability. Each pilot action report will include the following elements: - Description of the industrial area and the economic activities realised there - Status quo of energy consumption, renewable energy use and efforts to reduce CO2 emissions - Information about the key actors and stakeholders and how they were involved in the process - Results of energy potential analysis, including the use of energy planning tools - Use of elaborated compendia to recommend and assess the feasibility of technological solutions to enhance renewable energy use, smart energy management and tapping "hidden" energy saving potentials - Application of the certification guideline - Partner and stakeholder feedback regarding the usefulness of deliverables elaborated in WP1 and recommendations for their optimisation - Consideration of the pilot site as a green industrial area - Lessons learnt of relevance to other project partners.	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	
D 2.2	Pilot action learning report	The pilot action learning report sums up the learning from the peer review visits, highlights the necessary improvements of WP 1 deliverables and describes the agreement reached between partners on reinforcing minimum standards. Peer review feedback reports are annexed to the deliverable. The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	

O 2.3	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	The output comprises a comprehensive and pilot-tested approach to certify green industrial areas which contribute to achieving climate-neutrality. The output is based on deliverables D 1.4, D 1.5 and D 2.2. The Transnational standard for the certification of green industrial areas aiming for climate-neutrality represents a means to promote twin digital and energy transition in industrial areas. An energy potential analysis undertaken during the certification process encourages and advances further investments to lower the carbon footprint of industrial processes. A successful certification represents a means to highlight and to award ambitious industrial areas as forerunners on the stride towards climate-neutral industrial areas. The output includes a detailed guideline for the certification process, including minimum requirements to enter the certification process which may automatically reinforce over time (aligned to national climate neutrality objectives and strategies), approaches for stakeholder identification and inclusion, and energy planning and visualisation tools (e.g. energy potential analysis) suitable to communicate the aims and competitive potentials of the certification process.		
O 2.4	Tool-box for industrial areas to become smart and climate-neutral	The tool-box represents an overview on latest technologies and good practices in twin energy and digital transition. It combines the knowledge and expertise of the project partners and links to innovative projects and investments from different countries of the BSR. It covers the following aspects of renewable energy, energy efficiency and smart energy management: a) decentral production and use of renewable energies for electricity, heating and cooling b) use of excess heat from industrial processes, wastewater treatment, etc. c) potentials and use of power-to-X technologies for industrial processes and transport d) low energy equipment/production e) smart energy metering and measurement f) smart energy grids g) digital tools to enhance energy efficiency h) energetic resource efficiency (e.g. water and raw material use) i) sustainable land use (e.g. minimisation of sealed surfaces) j) low-carbon transport of freight and people k) exploitation of synergies between companies to promote the concept of industrial symbiosis in energy l) framework conditions including links to funding opportunities. In addition to specific technologies, the output includes a decision-making flowchart for executive decision-makers (for the consideration of investments in renewable energies and energy efficiency) and recommendations such as the establishment of the post of an energy manager as coordinator and communicator to and between an industrial areas' individual companies and outside stakeholders. For members of the project consortium and their stakeholders, the tool-box represents a reference of technological possibilities that can be considered for uptake in an industrial area in order to push for climate-neutral industrial activities. The finalised output is referred to the project's Steering committee for review and endorsement.		
D 3.1	Campaign report	The campaign report will be edited by P10 as group of activity leader based on the information provided by all partners. The report will detail which communication activities have been implemented and how target groups were reached. The report will furthermore present quantitative information such as the digital reach, the number of print brochures distributed and the number of event participants. The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	
D 3.2	Dissemination report	The dissemination report will list the activities implemented, the target groups reached and the networks used to share and promote the uptake of the project's solutions. Proceedings of the Final conference are annexed to the report. The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Tool-box for industrial areas to become smart and climate-neutral	
D 3.3	Mainstreaming report	P11 as activity leader will compile a brief narrative report providing an overview how local and regional strategies and policies of the partner territories were impacted and improved thanks to the project's learning and outputs. All partners contribute to the report with country-specific information. Contributions provided by partners will detail which public policies (e.g. local or regional development plans, climate protection policies, industrial policies, funding programmes of public authorities) have been addressed, which results have been achieved, and the medium and long-term perspectives leading to reductions of CO2 emissions. The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	
D 3.4	Roll-out report	P6 as group of activity leader will compile a brief narrative report providing an overview on how the "Transnational standard for the certification of green industrial areas" and the corresponding "Tool-box for industrial areas to become smart and climate-neutral" are rolled out beyond the project lifetime. All partners contribute to the report with territory-specific information including the responsible institution to organise the certification process and the quality label to be awarded. If relevant at the time of the report's elaboration, the document will also include information from territories not presented in the partnership which have decided to adopt the elaborated solutions. The finalised deliverable is referred to the project's Steering committee for review and endorsement.	Transnational standard for the certification of green industrial areas aiming for climate-neutrality	

Work package 1

5.1 Preparing solutions

5.2 Aim of the work package

The aim of this work package is to prepare solutions to help address the identified challenge. You can either develop entirely new solutions or adapt existing solutions to the needs of your target groups. Prepare your solutions in a way that you can pilot them in Work Package 2. Consider how you involve your target groups in preparation of the solutions.

Organise your activities in up to five groups of activities to present the actions you plan to implement. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1 PP 1 - Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern

Work package leader 2 PP 3 - Kalundborg Symbiosis

5.4 Work package budget

Work package budget 45%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	<p>Regional public authority</p> <p>Regional public authorities and administration of all BSR countries play an important role in the coordination of policies and strategies within their region. This includes regional development/innovation, spatial and land use planning as well as efforts to decarbonise energy systems, including funding programmes. Regional public authorities and administrations are therefore addressed as key actors advancing the concept of green industrial areas and multipliers towards local public authorities.</p> <p>499 / 500 characters</p>	<p>Regional public authorities and administrations are directly represented in the partnership and contribute to the co-design of solutions. Their contributions include previous experiences in the certification of green industrial areas (LP) and the perspective of promoters of territorial development (P7, P9, AO3, AO5, AO7), including spatial planning. In WP 1 activities the involved regional public authorities will represent the perspectives of institutions responsible for territorial development and the achievement of climate-neutrality objectives within the area they administrate.</p> <p>586 / 1,000 characters</p>

	Target group	How do you plan to reach out to and engage the target group?
2	<p>Local public authority</p> <p>Local public authorities are responsible for the promotion of the economy, business activities and innovation on their territories. Moreover, many local public authorities (e.g. P4, P8) are themselves owners and managers of industrial areas, hence making them a key player in efforts to reduce the carbon footprint of business activities through increased use of renewable energy sources as well as enhanced energy efficiency, incl. smart digital tools and promotion of industrial symbiosis.</p> <p>491 / 500 characters</p>	<p>As often-times managers and/or owners of industrial areas, local public authorities play a commanding role in the first phase (WP1) of the project. Being directly represented in the partnership (P4, P8; AO2: involvement via an umbrella organisation in the case of Mecklenburg-Vorpommern) they assume responsibilities in the co-design of solutions and reach out to local stakeholders of addressed industrial areas to involve them in the process.</p> <p>445 / 1,000 characters</p>
3	<p>Infrastructure and public service provider</p> <p>Utility companies which provide electricity (secondarily: gas, water) and manage the power grid are key actors for the objective of climate-neutral and smart industrial areas. Their partnership is essential to achieve high levels of renewable energy use, decentral production of renewable energy, smart energy management and further innovation to decarbonise business activities (e.g. P2X technologies). Across all partner territories they are regarded as key actors to be involved (especially WP 2).</p> <p>500 / 500 characters</p>	<p>Utility companies of all partner regions will be addressed to contribute to the elaboration of three compendia to provide a comprehensive overview of the technological state-of-the-art in renewable energy production and supply, energie efficiency, smart energy management and other measures aiming at lowering the carbon footprint of economic activities of an industrial area. Utility providers are approached to share insights about latest technologies and good practices featuring the introduction of these technologies (e.g. smart energy grids, P2X technologies, energetic exploitation of organic residuals, use of excess heat) in the process to elaborate three compendia (A 1.1, A 1.2 and A 1.3). Within these activities, utility companies are also invited as speakers to thematic seminars to share experiences in the use of innovative technologies with the project team. The involvement of AO6 ensures that expertise of utility providers is available to the consortium.</p> <p>974 / 1,000 characters</p>
4	<p>Small and medium enterprise</p> <p>Companies with business activities in industrial areas of the Baltic Sea Region are addressed by the project as those responsible for investment decisions leading to a reduction of greenhouse gas emissions. Towards them the cost benefits of reduced energy needs and the corporate social contribution in the combat against climate change will be emphasised.</p> <p>356 / 500 characters</p>	<p>Small and medium enterprises of all partner territories will be addressed as stakeholders in WP 1 activities. Learning of capacity building activities and the approaches in the co-elaboration of planned deliverables are shared with company representatives to consider their feedback in the further design process.</p> <p>313 / 1,000 characters</p>
5	<p>Business support organisation</p> <p>Business support organisations and networks of all BSR countries and industrial sectors play a pivotal role as multipliers of innovative approaches promoting energy transition and related benefits of companies who act as forerunners. Organisations such as innovation centres, cluster initiatives and other business networks will therefore be addressed as stakeholders of project activities (especially WP 2 pilot actions) and in the communication of project outcomes (WP 3).</p> <p>474 / 500 characters</p>	<p>Business support organisations, including those participating directly in the partnership (P3, P5, P6, P10, AO1, AO4), are regarded as key contributors in the co-designing process of anticipated solutions. As such they will contribute to the co-elaboration process and will be asked to provide feedback from a business perspective to elaborated deliverables.</p> <p>358 / 1,000 characters</p>

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	Co-elaboration of a State-of-the-art compendium of technologies to increase renewable energy use
1.2	Co-elaboration of a State-of-the-art compendium on energy efficiency and smart energy management
1.3	Co-elaboration of a State-of-the-art compendium to further lower greenhouse gas emissions
1.4	Codesign of a Guideline for the certification of green industrial areas aiming at climate-neutrality
1.5	Analysis and assessment of available energy planning and visualisation tools

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 5 - Podlaska Regional Development Foundation

A 1.1

5.6.2 Title of the group of activities

Co-elaboration of a State-of-the-art compendium of technologies to increase renewable energy use

96 / 100 characters

5.6.3 Description of the group of activities

The activity comprises an exchange of expertise and prior knowledge and joint investigation of latest technological approaches to achieve an overview in form of a compendium as reference document to assess and plan investments in renewable energies. The compendium will comprise the following aspects (non exhaustive list):

- decentral production and use of renewable energies for electricity, heating and cooling
- use of excess heat from industrial processes, wastewater treatment, etc.
- potentials and use of power-to-X technologies for industrial processes and transport.

At first, a thematic seminar is arranged and hosted by P5 as the group of activity leader. The seminar aims at exchanging prior experience and expertise among project partners in order to establish a level playing field. The seminar will also involve external speakers from research to shed a light on latest technological developments. The seminar will either be organised online or offline if coordinated with a partnership event.

P5 as group of activity leader will coordinate with the WP leadership and the group of activity leaders 1.2 and 1.3 how technological solutions shall be presented in each compendium. At minimum, a narrative comprehensive description of the technology and its usefulness in an industrial area, means to assess the investment costs and return of investment, and the contribution to lower greenhouse gas emissions are to be provided. In parallel, PP5 coordinates with all partners the responsibilities for contributions to the compendium. All partners will be assigned tasks to contribute to the compendium.

Responsible partners then investigate technologies and search for good practices to further demonstrate their use. Where necessary, partners engage in fact-finding missions.

Contributions by partners are collected by P5 and checked for their quality. P5 is responsible for the final editing of the compendium.

1,928 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 1.1

Title of the deliverable

Compendium of available technologies to increase renewable energy supply and use

80 / 100 characters

Description of the deliverable

The compendium provides an overview of available approaches and state-of-the-art technological solutions in the production and use of renewable energy in an industrial area. For each featured technology, a comprehensive description is provided, good practice examples identified and information to assess investment costs and benefits are given.

The deliverable complements D 1.2 and D 1.3, which together will form a joint output following a test in pilot actions (see WP 2).

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

581 / 2,000 characters

Which output does this deliverable contribute to?

Tool-box of technologies available to industrial areas to become smart and climate-neutral

90 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.1: Preparing solutions

A.1.1: Co-elaboration of a State-of-the-art compendium of technologies to increase renewable energy use

D.1.1: Compendium of available technologies to increase renewable energy supply and use

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 1 Group of activities 1.2

5.6.1 Group of activities leader

Group of activities leader PP 8 - City of Jyväskylä

A 1.2

5.6.2 Title of the group of activities

Co-elaboration of a State-of-the-art compendium on energy efficiency and smart energy management

96 / 100 characters

5.6.3 Description of the group of activities

The activity comprises an exchange of expertise and prior knowledge and joint investigation of latest technological approaches to achieve an overview in form of a compendium as reference document to assess and plan investments in energy efficiency. The compendium will comprise the following aspects (non exhaustive list):

- low energy equipment/production
- smart energy metering and measurement
- smart energy grids
- digital tools to enhance energy efficiency.

At first, a thematic seminar is arranged and hosted by PP8 as the group of activity leader. The seminar aims at exchanging prior experience and expertise among project partners in order to establish a level playing field. The seminar will also involve external speakers from research to shed a light on latest technological developments. The seminar will either be organised online or offline if coordinated with a partnership event.

PP8 as group of activity leader will coordinate with the WP leadership and the group of activity leaders 1.1 and 1.3 how technological solutions shall be presented in each compendium. At minimum, a narrative comprehensive description of the technology and its usefulness in an industrial area, means to assess the investment costs and return of investment, and the contribution to lower greenhouse gas emissions are to be provided. In parallel, PP8 coordinates with all partners the responsibilities for contributions to the compendium. All partners will be assigned tasks to contribute to the compendium.

Responsible partners then investigate technologies and search for good practices to further demonstrate their use. Where necessary, partners engage in fact-finding missions.

Contributions by partners are collected by P8 and checked for their quality. P8 is responsible for the final editing of the compendium.

1,818 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 1.2

Title of the deliverable

Compendium of available technologies for energy efficiency and smart energy management

86 / 100 characters

Description of the deliverable

The compendium provides an overview of available approaches and state-of-the-art technological solutions in smart energy management and enhancement of energy efficiency that are suitable for use in an industrial area. For each featured technology, a comprehensive description is provided, good practice examples identified and information to assess investment costs and benefits are given.

The deliverable complements D 1.1 and D 1.3, which together will form a joint output following a test in pilot actions (see WP 2).

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

625 / 2,000 characters

Which output does this deliverable contribute to?

Tool-box of technologies available to industrial areas to become smart and climate-neutral

90 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.1: Preparing solutions

A.1.2: Co-elaboration of a State-of-the-art compendium on energy efficiency and smart energy management

D.1.2: Compendium of available technologies for energy efficiency and smart energy management

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 1 Group of activities 1.3

5.6.1 Group of activities leader

Group of activities leader PP 3 - Kalundborg Symbiosis

A 1.3

5.6.2 Title of the group of activities

Co-elaboration of a State-of-the-art compendium to further lower greenhouse gas emissions

89 / 100 characters

5.6.3 Description of the group of activities

The activity comprises an exchange of expertise and prior knowledge and joint investigation of latest technological approaches to achieve an overview in form of a compendium as reference document to assess and plan investments in energy saving with focus on "hidden" energy consumption as means to lower an industrial area's greenhouse gas emissions. The compendium will comprise the following aspects (non exhaustive list):

- energetic resource efficiency (e.g. water and raw material use)
- sustainable land use (e.g. minimisation of sealed surfaces; green surfaces to compensate carbon emissions)
- low-carbon transport of freight and people
- exploitation of synergies between companies to promote the concept of industrial symbiosis in energy.

At first, a thematic seminar is arranged and hosted by P3 as the group of activity leader. The seminar aims at exchanging prior experience and expertise among project partners in order to establish a level playing field. The seminar will also involve external speakers from research to shed a light on latest technological developments. The seminar will either be organised online or offline if coordinated with a partnership event.

P3 as group of activity leader will coordinate with the WP leadership and the group of activity leaders 1.1 and 1.2 how technological solutions shall be presented in each compendium. At minimum, a narrative comprehensive description of the technology and its usefulness in an industrial area, means to assess the investment costs and return of investment, and the contribution to lower greenhouse gas emissions are to be provided. In parallel, P3 coordinates with all partners the responsibilities for contributions to the compendium. All partners will be assigned tasks to contribute to the compendium.

Responsible partners then investigate technologies and search for good practices to further demonstrate their use. Where necessary, partners engage in fact-finding missions.

Contributions by partners are collected by P3 and checked for their quality. P3 is responsible for the final editing of the compendium.

2,100 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 1.3

Title of the deliverable

Compendium of available technologies to further lower greenhouse gas emissions

78 / 100 characters

Description of the deliverable

The compendium provides an overview of available approaches and state-of-the-art technological solutions to tap hidden energy saving potentials in an industrial area as means to further lower greenhouse gas emissions. For each featured technology, a comprehensive description is provided, good practice examples identified and information to assess investment costs and benefits are given.

The deliverable complements D 1.1 and D 1.2, which together will form a joint output following a test in pilot actions (see WP 2).

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

625 / 2,000 characters

Which output does this deliverable contribute to?

Tool-box of technologies available to industrial areas to become smart and climate-neutral

90 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.1: Preparing solutions

A.1.3: Co-elaboration of a State-of-the-art compendium to further lower greenhouse gas emissions

D.1.3: Compendium of available technologies to further lower greenhouse gas emissions

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 1 Group of activities 1.4

5.6.1 Group of activities leader

Group of activities leader PP 1 - Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern

A 1.4

5.6.2 Title of the group of activities

Codesign of a Guideline for the certification of green industrial areas aiming at climate-neutrality

100 / 100 characters

5.6.3 Description of the group of activities

Based on a certification scheme introduced in Mecklenburg-Vorpommern in result of the BEA-APP project (state initiative "Grüne Gewerbegebiete in M-V"), the LP coordinates the process to elaborate a guideline representing the accreditation process' methodology. All partners will be asked to contribute to the process by answering questionnaires, providing feedback and engagement in a codesign process of the deliverable.

The guideline will provide a comprehensive description on

- a) how an industrial area can enter the certification process,
- b) how stakeholders from within and the proximity of an industrial area are identified, motivated and aligned to support the certification process,
- c) methods to assess potentials to reduce the carbon footprint of industrial activities through use of renewables, improved energy efficiency and use of synergies between companies, and
- d) efforts to encourage the uptake of technological innovations in short, medium and long-term investments aiming to contribute towards climate-neutrality (link to funding opportunities).

1,066 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 1.4

Title of the deliverable

Guideline for the certification of green industrial areas aiming at climate-neutrality

86 / 100 characters

Description of the deliverable

The deliverable describes the process and methodology of an industrial area's certification as a green industrial area. It details how managers of an industrial area can demonstrate that certain minimum standards (e.g. share of renewable energy sources in the overall energy use of the area) are fulfilled. The guideline outlines the process that leads to the awarding of a quality label to the industrial area as result of the accreditation process. The quality label highlights the combined efforts of an industrial area's stakeholders to push towards climate-neutrality and smart energy management.

The guideline specifies how the process shall be used to inspire, encourage and leverage additional investments in decentralised renewable energies, energy efficiency and smart energy use.

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

896 / 2,000 characters

Which output does this deliverable contribute to?

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.1: Preparing solutions

A.1.4: Codesign of a Guideline for the certification of green industrial areas aiming at climate-neutrality

D.1.4: Guideline for the certification of green industrial areas aiming at climate-neutrality

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 1 Group of activities 1.5

5.6.1 Group of activities leader

Group of activities leader PP 2 - Corporation for Regional Participation and Climate Protection mbH

A 1.5

5.6.2 Title of the group of activities

Analysis and assessment of available energy planning and visualisation tools

76 / 100 characters

5.6.3 Description of the group of activities

Coordinated by P2, the consortium will investigate different available tools to assist in energy planning processes and to visualise energy use and saving potentials. These tools complement the certification guideline (A 1.4) and will be used in communication processes with stakeholders of an industrial area which undergoes the certification process. For each tool, the partners will investigate the terms of use (incl. costs), advantages and limits of the application.

All partners contribute to the activity and discuss possible tools with the energy agencies and other specialists of their territories. Preference will be given to freeware tools or those resulting from Horizon projects.

693 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 1.5

Title of the deliverable

Compilation of energy planning and visualisation tools

54 / 100 characters

Description of the deliverable

The deliverable will document available energy planning and visualisation tools. Each one is presented by its terms of use, advantages and shortages. The tools are presented in a comprehensive and ready-to-be-applied manner for use in the project's pilot actions testing the certification approach.

The deliverable will be discussed and endorsed by the project's Steering committee.

383 / 2,000 characters

Which output does this deliverable contribute to?

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.1: Preparing solutions

A.1.5: Analysis and assessment of available energy planning and visualisation tools

D.1.5: Compilation of energy planning and visualisation tools

5.6.7 This deliverable/output contains productive or infrastructure investment



Work package 2

5.1 WP2 Piloting and evaluating solutions

5.2 Aim of the work package

The aim of this work package is to pilot, evaluate and adjust solutions. Plan one or several pilots to validate the usefulness of the solutions prepared in Work Package 1. Start Work Package 2 early enough to have time to pilot, evaluate and adjust solutions, together with your target groups. By the end of this work package implementation the solutions should be ready to be transferred to your target groups in Work Package 3.

The piloted and adjusted solution should be presented in one project output.

Organise your activities in up to five groups of activities. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1	PP 8 - City of Jyväskylä
Work package leader 2	PP 2 - Corporation for Regional Participation and Climate Protection mbH

5.4 Work package budget

Work package budget	30%
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5.4.1 Number of pilots

Number of pilots	6
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5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	<p>Regional public authority</p> <p>Regional public authorities and administration of all BSR countries play an important role in the coordination of policies and strategies within their region. This includes regional development/innovation, spatial and land use planning as well as efforts to decarbonise energy systems, including funding programmes. Regional public authorities and administrations are therefore addressed as key actors advancing the concept of green industrial areas and multipliers towards local public authorities.</p> <p>499 / 500 characters</p>	<p>Regional public authorities of the partner regions are stakeholders of WP 2 pilot actions. As such they are invited to participate in peer review visits with the aim to enhance their capacities and to achieve a co-ownership of the resulting outputs. In addition, regional public authorities represented in the partnership actively contribute to the revision of WP 1 activities and hence the finalisation of outputs.</p> <p>415 / 1,000 characters</p>
2	<p>Local public authority</p> <p>Local public authorities are responsible for the promotion of the economy, business activities and innovation on their territories. Moreover, many local public authorities (e.g. P4, P8) are themselves owners and managers of industrial areas, hence making them a key player in efforts to reduce the carbon footprint of business activities through increased use of renewable energy sources as well as enhanced energy efficiency, incl. smart digital tools and promotion of industrial symbiosis.</p> <p>491 / 500 characters</p>	<p>Local public authorities are important actors in the implementation of pilot actions aiming at testing the transnational standard for the certification of green industrial areas (A 2.1). Local public authorities representing the towns where pilot actions are foreseen are therefore either project partners (P4, P8; AO8 represents the municipal utility company of Neustrelitz which manages the city's industrial areas) or will be closely involved as stakeholders. As such, local public authorities are requested to participate in peer reviews and follow-up discussions weighing necessary improvements of tested deliverables and determining future minimum standards, which industrial areas would need to meet before entering a certification process (A 2.2).</p> <p>Local public authorities actively contribute to the revision of tested deliverables and hence the co-design of the project's outputs (A 2.3 and A 2.4).</p> <p>909 / 1,000 characters</p>
3	<p>Infrastructure and public service provider</p> <p>Utility companies which provide electricity (secondarily: gas, water) and manage the power grid are key actors for the objective of climate-neutral and smart industrial areas. Their partnership is essential to achieve high levels of renewable energy use, decentral production of renewable energy, smart energy management and further innovation to decarbonise business activities (e.g. P2X technologies). Across all partner territories they are regarded as key actors to be involved (especially WP 2).</p> <p>500 / 500 characters</p>	<p>Following the elaborate guideline for the certification of green industrial areas (D 1.4), stakeholders of an industrial area are identified, mapped and invited to engage in the process right at its beginning. Utility providing companies will therefore be requested to support the implementation of pilot actions especially in the assessment of the feasibility of introducing technological solutions as proposed in the project's compendia (D 1.1, D 1.2 and D 1.3).</p> <p>465 / 1,000 characters</p>

Target group		How do you plan to reach out to and engage the target group?
4	Small and medium enterprise	<p>SME located in an industrial area subject to a pilot action (A 2.1) are invited to engage in the process as stakeholders. As such they will be requested to share data about their current energy supply, use and energetic potentials of residues. On the other hand, SME are benefitting from early access to the project's compendia of state-of-the-art technologies (D 1.1, D 1.2 and D 1.3) and consulting services offered during the certification process. The latter raises the capacities of SME managers to consider investments to reduce the climate-impact of their business activities.</p>
	<p>Companies with business activities in industrial areas of the Baltic Sea Region are addressed by the project as those responsible for investment decisions leading to a reduction of greenhouse gas emissions. Towards them the cost benefits of reduced energy needs and the corporate social contribution in the combat against climate change will be emphasised.</p>	
5	Business support organisation	<p>Business support organisations represented in the partnership are co-responsible for the implementation of pilot actions (P3, P5, P6) or take a commanding role in the coordination of peer reviews (P10). Project partners representing business support organisations furthermore contribute to the revision of tested deliverables and hence the co-design of the project's outputs (A 2.3 and A 2.4).</p> <p>In addition to those directly represented in the project consortium, other business support organisations are addressed as stakeholders of economic development and innovation towards climate-neutrality of a business area. In regard to local stakeholder workshops as foreseen in the guideline for the certification of green industrial areas business support organisations are invited to co-host these events and to contribute as speakers to their implementation.</p>
	<p>Business support organisations and networks of all BSR countries and industrial sectors play a pivotal role as multipliers of innovative approaches promoting energy transition and related benefits of companies who act as forerunners. Organisations such as innovation centres, cluster initiatives and other business networks will therefore be addressed as stakeholders of project activities (especially WP 2 pilot actions) and in the communication of project outcomes (WP 3).</p>	
5.6 Activities, deliverables, outputs and timeline		
No.		
2.1	Transnational pilot to test to draft solution in 6 industrial areas	
2.2	Peer review to learn from pilot outcomes and establish minimum criteria of a green industrial area	
2.3	Revision and finalisation of the Guideline for the certification of green industrial areas	
2.4	Update of the compendia of state-of-the-art technologies available for industrial areas	

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 2 - Corporation for Regional Participation and Climate Protection mbH

A 2.1

5.6.2 Title of the group of activities

Transnational pilot to test to draft solution in 6 industrial areas

67 / 100 characters

5.6.3 Description of the group of activities

The deliverables elaborated in WP 1 will be tested in 6 pilot actions. In each one the responsible local project partner collaborates with the managers and stakeholders of an industrial area. During the pilot action the industrial area will be subject to the certification methodology (D 1.4). Technological solutions compiled in thematic compendia (D 1.1, D 1.2 and D 1.3) are used as references to provide consult for investment decisions. The presented technological solutions are screened for their suitability to be recommend for future uptake in each of the pilot areas. Energy planning and visualisation tools are selected from the compilation of investigated tools (D 1.5) for use in the pilot action, e.g. in the communication with decision-makers and stakeholders of the industrial area.

The certification approach and other elaborated deliverables are applied in these industrial areas:

- 1) Jyväskylä Eteläportti industrial area (responsible partner: P8): Here, one of the key energy-related challenges is identifying means to better utilise hybrid grids and excess heat to achieve a more efficient use of energy. During the certification process, data-led energy use-optimisation based on usage patterns (smart energy management) would be a central aspect.
- 2) Lübessee industrial area (P2): The industrial area aims for a more self-sufficient and sustainable energy supply for the industrial area in context of the local community. Wind power, PV, Power to X technologies and storage possibilities would need to be considered.
- 3) Neustrelitz industrial area (P2): The industrial area has a potential to integrate existing and new renewable energy plants and regional energy consumers (local trade and industry, data centers, mobility services) through sector coupling, hence supplying all sectors mentioned with renewable energies.
- 4) Kalundborg Symbiosis industrial hub (P3): Focus will be on potentials of urban-industrial symbiosis between small and large production industries inside the mature industrial area and large public and private partners (e.g. housing corporations), including sector coupling.
- 5) Podlaskie (P5): Łomża Industry Park has been created by local government authorities for the needs of Łomża, city in Podlaskie Voivodeship, constituting a space for support and development of the industry and economy in the region.
- 6) Zemgale: Kaigu industrial zone and future renewable energy park (P9). Potentials for the production of renewable energies using wind power, geothermal power, biomass and PV need to be investigated to transform the area to a renewable energy park.

For each of the industrial areas subjected to a pilot action, potentials to reduce overall energy needs, to increase the share of renewable energies, and to curb CO2 emissions will be identified. Roadmaps will be elaborated how these potentials can be realised in the short and medium-term future.

2,904 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 2.1

Title of the deliverable

Comprehensive pilot action report

33 / 100 characters

Description of the deliverable

The deliverable takes the form of a report to summarise the lessons learnt in 6 pilot actions carried out to test the elaborated solution. It describes how the deliverables co-designed in WP 1 were used in a practical setting. The report highlights strengths and weaknesses of the tested deliverables and identifies how the solutions need to be improved for an enhanced usability.

Each pilot action report will include the following elements:

- Description of the industrial area and the economic activities realised there
- Status quo of energy consumption, renewable energy use and efforts to reduce CO2 emissions
- Information about the key actors and stakeholders and how they were involved in the process
- Results of energy potential analysis, including the use of energy planning tools
- Use of elaborated compendia to recommend and assess the feasibility of technological solutions to enhance renewable energy use, smart energy management and tapping "hidden" energy saving potentials
- Application of the certification guideline
- Partner and stakeholder feedback regarding the usefulness of deliverables elaborated in WP1 and recommendations for their optimisation
- Consideration of the pilot site as a green industrial area
- Lessons learnt of relevance to other project partners.

1,294 / 2,000 characters

Which output does this deliverable contribute to?

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.2: WP2 Piloting and evaluating solutions

A.2.1: Transnational pilot to test to draft solution in 6 industrial areas

D.2.1: Comprehensive pilot action report

5.6.7 This deliverable/output contains productive or infrastructure investment

WP 2 Group of activities 2.2

5.6.1 Group of activities leader

Group of activities leader PP 10 - Sustainable Business Hub Scandinavia AB

A 2.2

5.6.2 Title of the group of activities

Peer review to learn from pilot outcomes and establish minimum criteria of a green industrial area

98 / 100 characters

5.6.3 Description of the group of activities

During their implementation period, each pilot action will become subject of a peer review visit to foster transnational learning and the exchange of experience. The incoming peer review team will be composed by around 5 persons representing at least 2 other project partners. Each peer review team will furthermore aim to include at least one external participant, e.g. an associated partner or stakeholder representative. The peer review visit will span over 2 days during which the peer review visits the pilot site, reviews how the deliverables that were elaborated in WP 1 have been used, and provides additional recommendations for the further pilot action process (e.g. recommendations for future investments linked to the project's compendia). To that aim, the incoming peer review team will meet with the local project partner team and select stakeholders from the industrial area subject to the pilot action. Following their visit, each peer review team will edit a brief feedback report summarising the findings. Each project partner will participate in at least one peer review of another partner.

PP10 as group of activity leader, supported by the External project management, will elaborate a brief methodology for the implementation of peer review and provide a template for the peer review planning (agenda), which documents to exchange before the visit, and a template for the feedback report. The methodology will be presented to the consortium during a partnership meeting or in the form of an online training session.

Following the completion of the peer reviews, P10 will moderate a discussion process to identify the strengths and weaknesses of the elaborated and then tested WP 1 deliverables. This process leads to a list of necessary improvements of the deliverables before the final solutions are ready to be presented.

At the same time, P10 moderates a second discussion to agree on a methodology to define minimum standards an industrial area would need to meet to be allowed to enter the certification process. These minimum standards should be linked to the objectives defined in national strategies to achieve climate-neutrality. At the same time, a mechanism to raise the bar in coming years (e.g. increase of the level of use of renewable energy sources by 5 per cent per year) will be discussed and later added to the output.

The learning from the peer review visits, the identified necessary improvements of WP 1 deliverables and the agreement on reinforcing minimum standards are presented in a Pilot action learning report. PP10 coordinates the editing process and all partners provide contributions and feedback.

2,655 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 2.2

Title of the deliverable

Pilot action learning report

28 / 100 characters

Description of the deliverable

The pilot action learning report sums up the learning from the peer review visits, highlights the necessary improvements of WP 1 deliverables and describes the agreement reached between partners on reinforcing minimum standards. Peer review feedback reports are annexed to the deliverable.

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

392 / 2,000 characters

Which output does this deliverable contribute to?

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.2: WP2 Piloting and evaluating solutions

A.2.2: Peer review to learn from pilot outcomes and establish minimum criteria of a green industrial area

D.2.2: Pilot action learning report

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 1 - Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern

A 2.3

5.6.2 Title of the group of activities

Revision and finalisation of the Guideline for the certification of green industrial areas

90 / 100 characters

5.6.3 Description of the group of activities

Based on the Pilot action learning report, the elaborated and now tested Guideline for the certification of green industrial areas will be revised. The LP who was leading the original drafting process will coordinate the activity. All partners are contributing with feedback.

Following the revision process, the Guideline is finalised and prepared for publication as a project output (solution).

396 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable

O 2.3

Title of the output

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

Description of the output

The output comprises a comprehensive and pilot-tested approach to certify green industrial areas which contribute to achieving climate-neutrality. The output is based on deliverables D 1.4, D 1.5 and D 2.2.

The Transnational standard for the certification of green industrial areas aiming for climate-neutrality represents a means to promote twin digital and energy transition in industrial areas. An energy potential analysis undertaken during the certification process encourages and advances further investments to lower the carbon footprint of industrial processes. A successful certification represents a means to highlight and to award ambitious industrial areas as forerunners on the strife towards climate-neutral industrial areas.

The output includes a detailed guideline for the certification process, including minimum requirements to enter the certification process which may automatically reinforce over time (aligned to national climate neutrality objectives and strategies), approaches for stakeholder identification and inclusion, and energy planning and visualisation tools (e.g. energy potential analysis) suitable to communicate the aims and competitive potentials of the certification process.

1,215 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
<div>Target group 1</div> <div>Regional public authority</div> <div>Regional public authorities and administration of all BSR countries play an important role in the coordination of policies and strategies within their region. This includes regional development/innovation, spatial and land use planning as well as efforts to decarbonise energy systems, including funding programmes. Regional public authorities and administrations are therefore addressed as key actors advancing the concept of green industrial areas and multipliers towards local public authorities.</div>	<div>Regional public authorities of the partner territories and beyond are expected to take a commanding role in the wider roll-out of the output (see WP 3). Where possible, they should become the bodies responsible for the future management of the certification process, including awarding a quality label to certified industrial areas.</div> <div>Regional public authorities with responsibilities in energy planning, spatial planning and regional development policies can take use of the output to advance these policies and to set-up specific funding mechanisms to support energy transition in industrial areas, where a major share of regional carbon emissions originate. The output may become a cornerstone to achieve the regional climate protection and carbon neutrality objectives while promoting at the same time the competitiveness of companies (reduction of energy-related production costs).</div>

885 / 1,000 characters

Target groups	How will this target group apply the output in its daily work?
<p>Target group 2</p> <p>Local public authority</p> <p>Local public authorities are responsible for the promotion of the economy, business activities and innovation on their territories. Moreover, many local public authorities (e.g. P4, P8) are themselves owners and managers of industrial areas, hence making them a key player in efforts to reduce the carbon footprint of business activities through increased use of renewable energy sources as well as enhanced energy efficiency, incl. smart digital tools and promotion of industrial symbiosis.</p>	<p>Local public authorities as bodies responsible for the promotion of the local economy are addressed to consider entering a certification process based on the Transnational standard for the certification of green industrial areas aiming at receiving a quality label for the industrial areas located on the municipality's territory. Local public authorities should have an interest in the output as it represents a means to promote twin digital and energy innovation not only on level of the industrial area's management but also among local companies. Local public authorities may also decide assuming themselves the responsibility for future certification processes or they can call for a regional or national public authority to manage the process.</p> <p>749 / 1,000 characters</p>
<p>Target group 3</p> <p>Small and medium enterprise</p> <p>Companies with business activities in industrial areas of the Baltic Sea Region are addressed by the project as those responsible for investment decisions leading to a reduction of greenhouse gas emissions. Towards them the cost benefits of reduced energy needs and the corporate social contribution in the combat against climate change will be emphasised.</p>	<p>SME are indirect beneficiaries of the output. If they reside in an industrial area which enters the certification process in the future, they benefit from the consultancy services provided by the certification body. The latter includes recommendations for investment decisions and exploitation of industrial symbiosis potentials aiming at reducing the climate-impact of business activities. In the medium and longer term, the competitiveness of a SME increases if they reside in a certified green industrial area as they can effectively lower or neutralise the carbon footprint of their business activities.</p> <p>607 / 1,000 characters</p>
<p>Target group 4</p> <p>Business support organisation</p> <p>Business support organisations and networks of all BSR countries and industrial sectors play a pivotal role as multipliers of innovative approaches promoting energy transition and related benefits of companies who act as forerunners. Organisations such as innovation centres, cluster initiatives and other business networks will therefore be addressed as stakeholders of project activities (especially WP 2 pilot actions) and in the communication of project outcomes (WP 3).</p>	<p>Business support organisations are addressed as future co-owners of the transnational standard and as multipliers contributing to a widespread introduction of certification schemes based on the co-designed standard.</p> <p>215 / 1,000 characters</p>

Durability of the output

The output is presented in a comprehensive manner ready to be adopted within and beyond the partner territories. A mechanism to reinforce minimum requirements over time, linked to national climate-neutrality objectives to reflect different levels of energy transition already reached in different BSR member states, guarantees the outputs long-term added value.

In project partner regions, the roll-out of the certification approach is addressed in A 3.4. Furthermore, project partners will investigate in A 3.3 how the found solution can be anchored in regional development plans, energy transition concepts and funding programmes. Additionally, the wider uptake of the found solution beyond the partner regions will be promoted in A 3.2.

The finalised output is referred to the project's Steering committee for review and endorsement.

838 / 1,000 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6						
WP.2: WP2 Piloting and evaluating solutions						
A.2.3: Revision and finalisation of the Guideline for the certification of green industrial areas						
O.2.3: Transnational standard for the certification of green industrial areas aiming for climate-neutrality						

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 2 Group of activities 2.4

5.6.1 Group of activities leader

Group of activities leader PP 4 - Kalundborg Municipality

A 2.4

5.6.2 Title of the group of activities

Update of the compendia of state-of-the-art technologies available for industrial areas

87 / 100 characters

5.6.3 Description of the group of activities

Based on the Pilot action learning report, the elaborated and now tested compendia (see D 1.1, D 1.2 and D 1.3) will be revised. P4 coordinates the activity, in which the other previous group of activity leaders (P3, P5, P8) play an outstanding role in the revision process of the three compendia. All other partners are contributing with feedback.

Following the revision process of the three individual compendia, they are combined to form a tool-box. At this stage, additional items such as an introduction to the tool-box and a brief users' guide are added. Other items to be added will have resulted from the project's pilot actions and are rather addressing framework decisions for future energy advancements in a certified industrial area, e.g. a decision-making flowchart for executive decision-makers (for the consideration of investments in renewable energies and energy efficiency), links to regional and national funding opportunities (incl. EU Structural funds, Just Transition Fund), and "soft" tools such as the establishment of an energy manager for the industrial area.

After the editorial process, the tool-box is prepared for publication on the project website as a project output (solution). P4's background as a local public authority ensures the wide practical applicability of the tool-box to managers and decision-makers of industrial areas.

1,366 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



O 2.4

Title of the output

Tool-box for industrial areas to become smart and climate-neutral

65 / 100 characters

Description of the output

The tool-box represents an overview on latest technologies and good practices in twin energy and digital transition. It combines the knowledge and expertise of the project partners and links to innovative projects and investments from different countries of the BSR. It covers the following aspects of renewable energy, energy efficiency and smart energy management:

- a) decentral production and use of renewable energies for electricity, heating and cooling
- b) use of excess heat from industrial processes, wastewater treatment, etc.
- c) potentials and use of power-to-X technologies for industrial processes and transport
- d) low energy equipment/production
- e) smart energy metering and measurement
- f) smart energy grids
- g) digital tools to enhance energy efficiency
- h) energetic resource efficiency (e.g. water and raw material use)
- i) sustainable land use (e.g. minimisation of sealed surfaces)
- j) low-carbon transport of freight and people
- k) exploitation of synergies between companies to promote the concept of industrial symbiosis in energy
- l) framework conditions including links to funding opportunities.

In addition to specific technologies, the output includes a decision-making flowchart for executive decision-makers (for the consideration of investments in renewable energies and energy efficiency) and recommendations such as the establishment of the post of an energy manager as coordinator and communicator to and between an industrial areas' individual companies and outside stakeholders.

For members of the project consortium and their stakeholders, the tool-box represents a reference of technological possibilities that can be considered for uptake in an industrial area in order to push for climate-neutral industrial activities.

The finalised output is referred to the project's Steering committee for review and endorsement.

1,849 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
<p>Target group 1</p> <p>Regional public authority</p> <p>Regional public authorities and administration of all BSR countries play an important role in the coordination of policies and strategies within their region. This includes regional development/innovation, spatial and land use planning as well as efforts to decarbonise energy systems, including funding programmes. Regional public authorities and administrations are therefore addressed as key actors advancing the concept of green industrial areas and multipliers towards local public authorities.</p>	<p>Regional public authorities are expected to apply the tool-box as reference of possible technological innovations in their territorial development policies. They can furthermore recommend the tool-box to local public authorities and managers of industrial areas on their territory for investment decisions.</p> <p>306 / 1,000 characters</p>
<p>Target group 2</p> <p>Local public authority</p> <p>Local public authorities are responsible for the promotion of the economy, business activities and innovation on their territories. Moreover, many local public authorities (e.g. P4, P8) are themselves owners and managers of industrial areas, hence making them a key player in efforts to reduce the carbon footprint of business activities through increased use of renewable energy sources as well as enhanced energy efficiency, incl. smart digital tools and promotion of industrial symbiosis.</p>	<p>Local public authorities benefit from the tool-box on one hand as means of capacity building as the digital catalogue details good practices and latest technological advancements in renewable energy use and decentralised production, energy efficiency and smart energy management. Moreover the tool-box also addresses possibilities to tap hidden energy saving potentials (land use, resource efficiency, water and transport). On the other hand, local public authorities as managers or regulators of an industrial area can take use of the tool-box as a reference in their aim to promote investments in energy transition.</p> <p>617 / 1,000 characters</p>

Target groups	How will this target group apply the output in its daily work?
<p>Target group 3</p> <p>Infrastructure and public service provider</p> <p>Utility companies which provide electricity (secondarily: gas, water) and manage the power grid are key actors for the objective of climate-neutral and smart industrial areas. Their partnership is essential to achieve high levels of renewable energy use, decentral production of renewable energy, smart energy management and further innovation to decarbonise business activities (e.g. P2X technologies). Across all partner territories they are regarded as key actors to be involved (especially WP 2).</p>	<p>Utility companies providing electricity (secondarily: gas, water) and/or managing power grids benefit from the tool-box as it provides a comprehensive overview of latest technologies that is helpful in the consideration of investment decisions. Good practice examples furthermore promote that utility companies take a leading role in the promotion of renewable energy use, energy efficiency and smart energy management.</p> <p>419 / 1,000 characters</p>
<p>Target group 4</p> <p>Small and medium enterprise</p> <p>Companies with business activities in industrial areas of the Baltic Sea Region are addressed by the project as those responsible for investment decisions leading to a reduction of greenhouse gas emissions. Towards them the cost benefits of reduced energy needs and the corporate social contribution in the combat against climate change will be emphasised.</p>	<p>Companies of all industrial sectors are under pressure to decarbonise their business activities to remain competitive. SME therefore benefit from the tool-box as it details latest technological advancements and links to good practices that companies can consider for their own investment decisions for the achievement of climate-neutrality.</p> <p>341 / 1,000 characters</p>
<p>Target group 5</p> <p>Business support organisation</p> <p>Business support organisations and networks of all BSR countries and industrial sectors play a pivotal role as multipliers of innovative approaches promoting energy transition and related benefits of companies who act as forerunners. Organisations such as innovation centres, cluster initiatives and other business networks will therefore be addressed as stakeholders of project activities (especially WP 2 pilot actions) and in the communication of project outcomes (WP 3).</p>	<p>Business support organisations as multipliers and consultants vis-à-vis individual companies benefit from the tool-box as a comprehensive overview of latest technological advancements, good practices and linked investment costs.</p> <p>228 / 1,000 characters</p>

Durability of the output

<p>The tool-box is designed as a digital catalogue in order to be able to add, remove or update single entries. Though officially finalised and subjected to endorsement of the project's Steering committee, the tool-box should be understood as an open document to take later learning or new developments into account. The tool-box will be made widely available in PDF format through the project website.</p> <p>In project partner regions, the roll-out of the certification approach is addressed in A 3.4. Furthermore, project partners will investigate in A 3.3 how the found solution can be anchored in regional development plans, energy transition concepts and funding programmes. Additionally, the wider uptake of the found solution beyond the partner regions will be promoted in A 3.2.</p>

779 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.4: Update of the compendia of state-of-the-art technologies available for industrial areas						
O.2.4: Tool-box for industrial areas to become smart and climate-neutral						

5.6.7 This deliverable/output contains productive or infrastructure investment



Work package 3

5.1 WP3 Transferring solutions

5.2 Aim of the work package

In Work Package 3, communicate and transfer the ready solutions to your target groups. Plan at least one year for this work package to transfer your solutions to the target groups, considering their respective needs. Select suitable activities to encourage your target groups to use the solutions in their daily work. Organise your activities in up to five groups of activities. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1	PP 9 - Zemgale Planning Region
Work package leader 2	PP 10 - Sustainable Business Hub Scandinavia AB

5.4 Work package budget

Work package budget	15%
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5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	<p>Regional public authority</p> <p>Regional public authorities and administration of all BSR countries play an important role in the coordination of policies and strategies within their region. This includes regional development/innovation, spatial and land use planning as well as efforts to decarbonise energy systems, including funding programmes. Regional public authorities and administrations are therefore addressed as key actors advancing the concept of green industrial areas and multipliers towards local public authorities.</p> <p>499 / 500 characters</p>	<p>Regional public authorities of the partner regions are actively contributing to the implementation of awareness raising and publicity campaigns (A 3.1). They furthermore engage in activities aiming at disseminating the project outputs to the BSR's spatial and energy planning communities, e.g. through the active participation in the project's Final conference and by targeting other events with presentations highlighting the solutions found by the project (A 3.2).</p> <p>Regional public authorities of the partner territories are furthermore addressed to revise their regional development and/or spatial planning documents, regional energy and climate strategies and other policies including funding programmes to promote investments in smart energies (A 3.3).</p> <p>Finally, regional public authorities of the partner areas and other regions that have an interest to adopt the transnational standard for the certification of green industrial areas are invited to consider becoming certifying bodies (A 3.4).</p> <p>999 / 1,000 characters</p>
2	<p>Local public authority</p> <p>Local public authorities are responsible for the promotion of the economy, business activities and innovation on their territories. Moreover, many local public authorities (e.g. P4, P8) are themselves owners and managers of industrial areas, hence making them a key player in efforts to reduce the carbon footprint of business activities through increased use of renewable energy sources as well as enhanced energy efficiency, incl. smart digital tools and promotion of industrial symbiosis.</p> <p>491 / 500 characters</p>	<p>Local public authorities from the project territories take an active role in the implementation of awareness raising and publicity campaigns (A 3.1). They furthermore engage in activities aiming at disseminating the project outputs to the BSR's spatial and energy planning communities, e.g. through the active participation in the project's Final conference and by targeting other events with presentations highlighting the solutions found by the project (A 3.2).</p> <p>Local public authorities of the partner territories are furthermore addressed to revise their local development plans, local energy and climate strategies and other policies including funding programmes to promote investments in smart energies (A 3.3).</p> <p>Finally, local public authorities as owners or regulators of industrial areas are invited to ask for the certification of their industrial areas to highlight local efforts to become smart and climate-neutral municipalities.</p> <p>943 / 1,000 characters</p>

	Target group	How do you plan to reach out to and engage the target group?
3	<p>Infrastructure and public service provider</p> <p>Utility companies which provide electricity (secondarily: gas, water) and manage the power grid are key actors for the objective of climate-neutral and smart industrial areas. Their partnership is essential to achieve high levels of renewable energy use, decentral production of renewable energy, smart energy management and further innovation to decarbonise business activities (e.g. P2X technologies). Across all partner territories they are regarded as key actors to be involved (especially WP 2).</p> <p>500 / 500 characters</p>	<p>Utility companies are addressed through the dissemination activities carried out in WP 3 (A 3.2). As multipliers they are requested to contribute to make the Tool-box for industrial areas to become smart and climate-neutral wider known.</p> <p>236 / 1,000 characters</p>
4	<p>Small and medium enterprise</p> <p>Companies with business activities in industrial areas of the Baltic Sea Region are addressed by the project as those responsible for investment decisions leading to a reduction of greenhouse gas emissions. Towards them the cost benefits of reduced energy needs and the corporate social contribution in the combat against climate change will be emphasised.</p> <p>356 / 500 characters</p>	<p>SME of industrial areas that have successfully participated in a pilot action and hence have achieved the certification of a green industrial area are invited to local award ceremonies to honour the efforts undertaken by all stakeholders of a certified industrial area (A 3.1). SME are furthermore requested to contribute with testimonials to further awareness raising activities (A 3.1).</p> <p>388 / 1,000 characters</p>
5	<p>Business support organisation</p> <p>Business support organisations and networks of all BSR countries and industrial sectors play a pivotal role as multipliers of innovative approaches promoting energy transition and related benefits of companies who act as forerunners. Organisations such as innovation centres, cluster initiatives and other business networks will therefore be addressed as stakeholders of project activities (especially WP 2 pilot actions) and in the communication of project outcomes (WP 3).</p> <p>474 / 500 characters</p>	<p>Business support organisations as multipliers towards individual companies and industrial areas are targeted by awareness raising and publicity campaigns (A 3.1). They will furthermore be invited to participate in the project's Final conference and are addressed by presentations given to disseminate the project outputs (A 3.2).</p> <p>In addition, those business support organisations that are members of the project consortium (P3, P5, P6 and P10) assume an active role in the implementation of awareness raising and publicity campaigns (A 3.1) as well as in dissemination activities including presentations at targeted events and active participation in the Final conference of the project (A 3.2). They furthermore consult public authorities that aim to mainstream project outcomes (A 3.3) and contribute to the successful set-up of certification regimes based on the elaborated Transnational standard (A 3.4).</p> <p>910 / 1,000 characters</p>

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	Realisation of an awareness raising and publicity campaign
3.2	Dissemination to the BSR spatial and energy planning community
3.3	Mainstreaming project outputs to advance strategies, plans and policies
3.4	Roll-out of systems for the certification of green industrial areas

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 10 - Sustainable Business Hub Scandinavia AB

A 3.1

5.6.2 Title of the group of activities

Realisation of an awareness raising and publicity campaign

58 / 100 characters

5.6.3 Description of the group of activities

To better communicate the added value of industrial areas which have been accredited for their strife towards climate-neutrality and smart energy management, an awareness raising and publicity campaign is implemented under coordination of P10. The aims of the campaign are

- i) to raise awareness for the objective and the achievements of the project, in particular the solutions found (e.g. the outputs produced) and the possible contribution of industrial areas for the strife towards climate neutrality;
- ii) to highlight the dedication of those industrial areas as forerunners towards climate neutrality of business activities, which have successfully passed the certification process during the project's pilot phase (WP 2); and
- iii) to promote the further roll-out of the found solutions in and beyond the partner territories.

The campaign will include the following elements (subject to confirmation when WP 3 activities are launched):

- a) elaboration and publication of digital information on the project website, partner websites and social media (e.g. digital factsheets on the impact of project activities and outputs for achieving climate-neutrality, map of successfully certified industrial areas and links to their online presences);
- b) design of quality labels for certified green industrial areas (visual, e.g. logo, or certificate/award)
- c) local events to award successfully certified industrial areas a quality label to underpin their efforts to work;
- d) production of publicity materials for print and digital distribution (brochures).

All partners actively contribute to the activity.

1,603 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 3.1

Title of the deliverable

Campaign report

15 / 100 characters

Description of the deliverable

The campaign report will be edited by P10 as group of activity leader based on the information provided by all partners. The report will detail which communication activities have been implemented and how target groups were reached. The report will furthermore present quantitative information such as the digital reach, the number of print brochures distributed and the number of event participants.

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

503 / 2,000 characters

Which output does this deliverable contribute to?

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

5.6.6 Timeline

	Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions							
A.3.1: Realisation of an awareness raising and publicity campaign							
D.3.1: Campaign report							

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 3 Group of activities 3.2

5.6.1 Group of activities leader

Group of activities leader PP 7 - Regional Council of Central Finland

A 3.2

5.6.2 Title of the group of activities

Dissemination to the BSR spatial and energy planning community

62 / 100 characters

5.6.3 Description of the group of activities

Co-ordinated by P7, the consortium will undertake efforts to share the project outputs with the BSR spatial and energy planning community. To that aim, select national and European events will be addressed with presentations by the project partners. Comprehensive information about the found solutions will be shared with VASAB through P11 and the LP, which both are active VASAB members. All partners will use their institutional networks to further disseminate the project outcomes (e.g. Enterprise Europe Network/PP5, regional economic cluster networks, EU-Spire network/P3, Nordic Circular Hubs network/P3, local universities and research institutions, other business support organisations).

Embedded in this group of activities, the LP will host the Final conference of the project. The conference will address the BSR spatial and energy planning community and aims at presenting and disseminating the project's solutions.

929 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 3.2

Title of the deliverable

Dissemination report

20 / 100 characters

Description of the deliverable

The dissemination report will list the activities implemented, the target groups reached and the networks used to share and promote the uptake of the project's solutions. Proceedings of the Final conference are annexed to the report.

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

336 / 2,000 characters

Which output does this deliverable contribute to?

Tool-box for industrial areas to become smart and climate-neutral

65 / 100 characters

5.6.6 Timeline

	Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions							
A.3.2: Dissemination to the BSR spatial and energy planning community							
D.3.2: Dissemination report							

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 3 Group of activities 3.3

5.6.1 Group of activities leader

Group of activities leader PP 11 - Ministry of Environmental Protection and Regional Development of the Republic of Latvia

A 3.3

5.6.2 Title of the group of activities

Mainstreaming project outputs to advance strategies, plans and policies

71 / 100 characters

5.6.3 Description of the group of activities

In each addressed territory, the learning of the project and the found solution for the promotion of energy transition in industrial areas through the certification of industrial areas striving for climate-neutrality and smart energy management will be integrated in local or regional strategies and policies to contribute to their solution's durability.

- In Mecklenburg-Vorpommern, the certification and key enabling technologies highlighted by the tool-box will feature in the new State Spatial Development Programme (Landesentwicklungsplan) which is due for revision during the project lifetime. Mecklenburg-Vorpommern furthermore aims to adjust state funding programmes to better support investments aiming at climate-neutrality and smart energy use. Moreover, the LP will use project outcomes to advance its climate protection action plan and energy data portal and atlas. P2 provides consult.

- In Kalundborg, main takeaways from the project will be integrated in future activities of the Symbiosis Network Denmark and Nordic Circular Hubs networks (P3). Furthermore, the local public authority (PP4) will coordinate with Region Sjælland how project outcomes can advance local energy-related strategies.

- In Central Finland, the regional public authority (P7) will share the achievements with the area's other local public authorities to encourage other municipalities to follow Jyväskylä's example. P8 supports. Outputs contribute to the region's climate neutrality target (2030).

- In Lithuania, P6 coordinates the uptake of project outputs with its public shareholders (two national ministries) with the aim to impact national strategies and programmes.

- In the Podlaskie region (P5), the project outcomes are analysed together with the Marshall Office and sectoral agencies with the aim to anchor the approaches introduced and tested by the project in regional development planning. Recommendations will furthermore be given how funding programmes aimed at curbing CO2 emissions may be directed to promote investments in smart energy in industrial areas, where a major share of regional greenhouse gas emissions originates.

- In Latvia, P11 analyses the project outputs in view of the elaboration of a national instrument to support the marking of zero-emission zones. To that aim, amendments to the national planning perspective and incorporation of the found solution in the planned Climate Law will be considered. P9 supports the process and helps defining necessary preconditions for a successful mainstreaming in Latvia. A study investigates further potentials.

- In Skåne region, P10 addresses Region Skåne (regional public authority; associated partner), industrial and science parks, local authorities and Skåne regional energy agency to discuss how the learning of the project is integrated in regional development and energy planning. At the same time, P10 acts as multipliers towards its regional cluster members and the Swedish national cluster umbrella organisation.

2,998 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 3.3

Title of the deliverable

Mainstreaming report

20 / 100 characters

Description of the deliverable

P11 as activity leader will compile a brief narrative report providing an overview how local and regional strategies and policies of the partner territories were impacted and improved thanks to the project's learning and outputs. All partners contribute to the report with country-specific information. Contributions provided by partners will detail which public policies (e.g. local or regional development plans, climate protection policies, industrial policies, funding programmes of public authorities) have been addressed, which results have been achieved, and the medium and long-term perspectives leading to reductions of CO2 emissions.

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

746 / 2,000 characters

Which output does this deliverable contribute to?

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

5.6.6 Timeline

	Period: 1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.3: Mainstreaming project outputs to advance strategies, plans and policies						
D.3.3: Mainstreaming report						

5.6.7 This deliverable/output contains productive or infrastructure investment



WP 3 Group of activities 3.4

5.6.1 Group of activities leader

Group of activities leader PP 6 - Lithuanian Innovation Centre

A 3.4

5.6.2 Title of the group of activities

Roll-out of systems for the certification of green industrial areas

67 / 100 characters

5.6.3 Description of the group of activities

In each addressed territory, local partners and other key actors reach an agreement how the solution provided by the project (the project's outputs) will be applied after the termination of the project lifetime. Therefore, a certifying agent responsible to organise the certification process will be identified. The institution will furthermore be the point of contact and help desk to actors representing industrial areas with an interest to receive the certification of a green industrial area and to be awarded the respective quality label.

- In Mecklenburg-Vorpommern (DE), the elaborated transnational standard will be used to advance the state initiative "Grüne Gewerbegebiete in M-V". Responsible authority is the LP institution itself.
- In Lithuania (LT), the further roll-out of the certification approach will be coordinated with P6's shareholders (Ministry of Economy and Innovation, Ministry of Education, Science and Sports, Lithuanian Confederation of Industrialists).
- In the Podlaskie Region (PL), the further roll-out of the certification approach will be coordinated with the Marshall Office of the Podlaskie Region.
- In the Central Finland Region (FI), P7 will assume a commanding role to promote the further roll-out of the certification approach.
- In the Sjælland Region (DK), P3 and P4 will recommend the certification approach to the Symbiosis Network Denmark for further roll-out.
- In the Skåne Region (SE), P10 will coordinate with the Skåne Region the further roll-out of the certification approach.
- In the Zemgale Region (LV), P9 will assess the potentials and preconditions for a further roll-out of the solution in the Planning region's municipalities and hence the marking of green industrial areas. The results of the assessment are shared with P11 to shape the national planning perspective and national instruments to further promote the uptake and roll-out of the solutions found by the project.

1,940 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable



D 3.4

Title of the deliverable

Roll-out report

15 / 100 characters

Description of the deliverable

P6 as group of activity leader will compile a brief narrative report providing an overview on how the "Transnational standard for the certification of green industrial areas" and the corresponding "Tool-box for industrial areas to become smart and climate-neutral" are rolled out beyond the project lifetime. All partners contribute to the report with territory-specific information including the responsible institution to organise the certification process and the quality label to be awarded. If relevant at the time of the report's elaboration, the document will also include information from territories not presented in the partnership which have decided to adopt the elaborated solutions.

The finalised deliverable is referred to the project's Steering committee for review and endorsement.

798 / 2,000 characters

Which output does this deliverable contribute to?

Transnational standard for the certification of green industrial areas aiming for climate-neutrality

100 / 100 characters

5.6.6 Timeline

	Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions							
A.3.4: Roll-out of systems for the certification of green industrial areas							
D.3.4: Roll-out report							

5.6.7 This deliverable/output contains productive or infrastructure investment



6. Indicators

Indicators

Output indicators				Result indicators		
Output indicators	Total target value in number	Project outputs	Please explain how the solution presented in this output serves the target group(s).	Result indicator	Total target value in number	Please explain how organisations in the target groups within or outside the partnership will take up or upscale each solution.
RCO 84 – Pilot actions developed jointly and implemented in projects	6	N/A	N/A	RCR 104 - Solutions taken up or up-scaled by organisations	2	<p>Both solutions elaborated by the project partners are universally applicable by any entity aiming to promote the strife towards climate-neutrality of an industrial areas.</p> <p>In the partner territories, certification systems based on the Transnational standard will be set up to promote the further roll-out and the certification of other industrial areas. For each one, a quality label to be awarded to certified industrial areas will be introduced. In this context, the tool-box represents an important reference document to suggest technological solutions and smart approaches to industrial areas to successfully master the certification and to continue aiming for climate-neutrality.</p> <p>Efforts to disseminate the project outputs to the BSR energy and spatial planning community, including a Final conference addressing VASAB, promote the uptake of the solutions and roll-out in other parts of the BSR. Project partners will assist any territory in the adaption and introduction of the certification approach. In this context, the tool-box is of immediate added value without further amendment.</p> <p>To allow future updates, the tool-box is designed in a way which facilitates revisions and additions without jeopardising the output's overall structure and comprehensive overview. In turn, the certification deadline will already describe a mechanism to enforce minimum criteria for industrial areas through a link to national strategies to achieve Europe's climate-neutrality target by 2050.</p>
						1,487 / 2,000 characters

Output indicators	Total target value in number	Project outputs	Please explain how the solution presented in this output serves the target group(s).
		O.2.3: Transnational standard for the certification of green industrial areas aiming for climate-neutrality	<p>The transnational certification standard is presented in the form of a guideline describing the process of certification. This guideline includes details how stakeholder from within and the proximity of an industrial area get involved, how potentials to reduce greenhouse gas emissions are seized through the introduction of smart (digital) technologies and extended use of renewable energies (incl. decentral production using residuals of industrial processes), and how synergies between an industrial area's companies foster industrial symbiosis to advance energy efficiency and saving. The guideline further details how minimum standards linked to national climate-neutrality targets are defined and enforced over time. The certification standard represents a ready-to-use practitioners' guide based on the combined expertise of the project partners and the learning from pilot actions carried out in the frame of the project. The guideline including annexes is published online.</p> <p>982 / 1,000 characters</p>

Output indicators		Result indicators		
RCO 116 – Jointly developed solutions indicator	Total target value in number	Result indicator	Total target value in number	Please describe what types of organisations are planned to actively participate in the project. Explain how this participation will increase their institutional capacity. These types of organisations should be in line with the target groups you have defined for your project.
RCO 87 - Organisations cooperating across borders	20			

Result indicator	Total target value in number	Please describe what types of organisations are planned to actively participate in the project. Explain how this participation will increase their institutional capacity. These types of organisations should be in line with the target groups you have defined for your project.	
PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders	50	Project partners and associated organisations	<p>The project consortium (20) is made up of public authorities from local, regional and national level, business support organisations, energy agencies and consultancies as well as public utility providers. These types of organisations represent the key actors in the drive for a decarbonisation of industrial activities and hence a reduction of greenhouse gas emissions. The exchange across borders and disciplines will enable each of the involved organisations to fully understand the potentials of new technologies to produce and store renewable energies decentrally, to enhance energy efficiency, to introduce smart (digital) energy management tools, and to promote cooperation between businesses within an industrial area and between actors of an industrial area and adjacent functional areas (e.g. residual heat for housing estates). In addition to the knowledge built up in regard of state-of-the-art technologies critical to achieve energy transition, the consortium furthermore tests and monitors the potential tailwinds of a certification of green industrial areas to promote private and public investments to further accelerate the drive towards carbon neutrality. The found solutions enable the public authorities addressed by the project to optimise their planning instruments and to assess amendments to funding programmes in regard of the promotion of energy transition of businesses. Finally, energy and climate strategies on local, regional and national level are optimised in result.</p> <p>1,499 / 1,500 characters</p>
		Other organisations	<p>In addition to those institutions firmly involved as project partners or associated partners, about 30 other public and private actors will become actively engaged in the project (espec. in pilot actions). Other will be addressed by the dissemination activities. Especially for the implementation of the six planned pilot actions, local stakeholder activities are of high importance. Stakeholder groups will involve the local public authority, the management of the industrial area subject to the pilot action, the utility provider(s) and the companies with business activities in the area. Stakeholder group members will have direct access to the project results and local events will disseminate the collected knowledge directly to them (incl. compendia/tool-box).</p> <p>Dissemination activities and those intended to upscale and mainstream the project outputs will address a larger number of additional actors. In the first place, other local public authorities and their utility companies are addressed and encouraged to uptake the project outputs, e.g. to apply for the certification of their industrial zones as green industrial areas (O 2.3). Utility providers and local companies are at the same time encouraged to consider investments in energy transition and assess the medium and long-term economic and competitive benefits (based on the tool-box; O 2.4).</p> <p>Finally, public actors beyond the partner regions are addressed by dissemination activities and encouraged to adopt the project outputs.</p> <p>1,499 / 1,500 characters</p>

7. Budget

7.0 Preparation costs

Preparation Costs

Would you like to apply for reimbursement of the preparation costs?

Yes

Other EU support of preparatory cost

Did you receive any other EU funds specifically designated to the development of this project application?

No

7.1 Breakdown of planned project expenditure per cost category & per partner

No. & role	Partner name	Partner status	CAT0 - Preparation costs	CAT1 - Staff	CAT2 - Office & administration
1 - LP	Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern	Active 22/09/2022	24,000.00	268,320.00	40,248.00
2 - PP	Corporation for Regional Participation and Climate Protection mbH	Active 22/09/2022	0.00	148,800.00	22,320.00
3 - PP	Kalundborg Symbiosis	Active 22/09/2022	0.00	229,454.00	34,418.10
4 - PP	Kalundborg Municipality	Active 22/09/2022	0.00	131,580.00	19,737.00
5 - PP	Podlaska Regional Development Foundation	Active 22/09/2022	0.00	134,160.00	20,124.00
6 - PP	Lithuanian Innovation Centre	Active 22/09/2022	0.00	85,140.00	12,771.00
7 - PP	Regional Council of Central Finland	Active 22/09/2022	0.00	92,880.00	13,932.00
8 - PP	City of Jyväskylä	Active 22/09/2022	0.00	241,488.00	36,223.20
9 - PP	Zemgale Planning Region	Active 22/09/2022	0.00	123,840.00	18,576.00
10 - PP	Sustainable Business Hub Scandinavia AB	Active 22/09/2022	0.00	185,760.00	27,864.00
11 - PP	Ministry of Environmental Protection and Regional Development of the Republic of Latvia	Active 22/09/2022	0.00	61,920.00	9,288.00
Total			24,000.00	1,703,342.00	255,501.30

No. & role	Partner name	CAT3 - Travel & accommodation	CAT4 - External expertise & services	CAT5 - Equipment	Total partner budget
1 - LP	Ministry of Economy. Infr	40,248.00	287,072.00	0.00	659,888.00
2 - PP	Corporation for Regional	22,320.00	14,500.00	12,000.00	219,940.00
3 - PP	Kalundborg Symbiosis	34,418.10	35,500.00	0.00	333,790.20
4 - PP	Kalundborg Municipality	19,737.00	18,000.00	0.00	189,054.00
5 - PP	Podlaska Regional Devel	20,124.00	19,000.00	0.00	193,408.00
6 - PP	Lithuanian Innovation Cen	12,771.00	10,500.00	0.00	121,182.00
7 - PP	Regional Council of Centr	13,932.00	23,500.00	0.00	144,244.00
8 - PP	City of Jyväskylä	36,223.20	90,000.00	0.00	403,934.40
9 - PP	Zemgale Planning Region	18,576.00	58,500.00	0.00	219,492.00
10 - PP	Sustainable Business Hu	27,864.00	12,500.00	0.00	253,988.00
11 - PP	Ministry of Environmental	9,288.00	26,500.00	0.00	106,996.00
Total		255,501.30	595,572.00	12,000.00	2,845,916.60

7.1.1 External expertise and services

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
1. Ministrv of Econo	Project management	CAT4-PP1-D-0	External project management support <small>35 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	177,072.00	
1. Ministrv of Econo	Events/meetings	CAT4-PP1-A-0	Hosting of the project's Final conference and of a co-ordinated partnership meeting <small>83 / 100 characters</small>	No	3.2	20,000.00	
1. Ministrv of Econo	Other	CAT4-PP1-G-0	Travel costs of associated partners (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	5,000.00	
1. Ministrv of Econo	Specialist support	CAT4-PP1-E-0	External support for the guideline for the certification of green industrial areas (approx. 80 days) <small>100 / 100 characters</small>	No	1.4 2.3	50,000.00	
1. Ministrv of Econo	Events/meetings	CAT4-PP1-A-0	Local stakeholder events during pilots and the implementation of the local publicity campaign <small>93 / 100 characters</small>	No	2.1 3.1	10,000.00	
1. Ministrv of Econo	Communication	CAT4-PP1-C-0	Implementation of the awareness raising and publicity campaign (incl. print and online materials) <small>97 / 100 characters</small>	No	3.1 3.2	25,000.00	
Total						595,572.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
2. Corporation for	National control	CAT4-PP2-F-0	External financial control <small>26 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	3,000.00	
2. Corporation for	Other	CAT4-PP2-G-0	Travel costs of associated partners (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	N/A	5,000.00	
2. Corporation for	Specialist support	CAT4-PP2-E-0	External expertise to identify and assess energy planning tools for use in certification process <small>96 / 100 characters</small>	No	1.5	4,000.00	
2. Corporation for	Events/meetings	CAT4-PP2-A-1	Expenses for peer reviews at pilot action sites and for a field trip coordinated w/ Final Conference <small>100 / 100 characters</small>	No	2.2 3.2	2,500.00	
3. Kalundborg Svm	National control	CAT4-PP3-F-1	External financial control <small>26 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	3,000.00	
3. Kalundborg Svm	Other	CAT4-PP3-G-1	Travel costs of associated partners (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	2,500.00	
Total						595,572.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
3. Kalundborg SvM	Events/meetings	CAT4-PP3-A-1	Local stakeholder events during pilots and the implementation of the local publicity campaign <small>93 / 100 characters</small>	No	2.1 3.1	5,000.00	
3. Kalundborg SvM	Specialist support	CAT4-PP3-E-1	External expertise to provide expert support for the elaboration of compendia (latest technologies) <small>99 / 100 characters</small>	No	1.1 1.2 1.3	12,000.00	
3. Kalundborg SvM	Specialist support	CAT4-PP3-E-1	External expert support during the implementation of pilot action to validate elaborated approaches <small>99 / 100 characters</small>	No	2.1	12,000.00	
3. Kalundborg SvM	Events/meetings	CAT4-PP3-A-1	Expenses related to the hosting of a peer review visit to Kalundborg's pilot action site <small>88 / 100 characters</small>	No	2.2	1,000.00	
4. Kalundborg Muni	National control	CAT4-PP4-F-1	External financial control <small>26 / 100 characters</small>	No	3.1 3.3 N/A	3,000.00	
4. Kalundborg Muni	Communication	CAT4-PP4-C-1	Implementation of the awareness raising and publicity campaign (incl. print and online materials) <small>97 / 100 characters</small>	No	3.1 3.2	10,000.00	
4. Kalundborg Muni	Events/meetings	CAT4-PP4-A-1	Expenses related to hosting the Kick-Off meeting of the project (25-30 persons) <small>79 / 100 characters</small>	No	N/A	5,000.00	
	Total					595,572.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
5. Podlaska Region	Other	CAT4-PP5-G-2	Travel costs of associated partners (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	5,000.00	
5. Podlaska Region	Events/meetings	CAT4-PP5-A-2	Local stakeholder events during pilots and the implementation of the local publicity campaign <small>93 / 100 characters</small>	No	2.1 3.1	2,000.00	
5. Podlaska Region	Specialist support	CAT4-PP5-E-2	External expert's support and consult services for WP 1 tasks of P5 <small>67 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5	3,000.00	
5. Podlaska Region	Specialist support	CAT4-PP5-E-2	External expert's support and consult services for WP 2 tasks of P5 <small>67 / 100 characters</small>	No	2.1 2.2 2.3 2.4	2,500.00	
5. Podlaska Region	Communication	CAT4-PP5-C-2	Implementation of the awareness raising and publicity campaign (incl. print and online materials) <small>97 / 100 characters</small>	No	3.1 3.2	4,000.00	
5. Podlaska Region	Events/meetings	CAT4-PP5-A-2	Expenses to host a Partner workshop (25-30 persons; 2 days incl. a field trip) + of a peer review <small>97 / 100 characters</small>	No	N/A	2,500.00	
Total						595,572.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
6. Lithuanian Innova	National control	CAT4-PP6-F-2	External financial control <small>26 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	3,000.00	
6. Lithuanian Innova	Communication	CAT4-PP6-C-2	Implementation of the awareness raising and publicity campaign (incl. print and online materials) <small>97 / 100 characters</small>	No	3.1 3.2	5,000.00	
6. Lithuanian Innova	Other	CAT4-PP6-G-2	Travel costs of P6's shareholders (transnational workshops, study trips and/or peer reviews) <small>92 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	2,500.00	
Total						595,572.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
7. Regional Council	Other	CAT4-PP7-G-2	Travel costs of regional key actors (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	5,000.00	
7. Regional Council	Communication	CAT4-PP7-C-3	Implementation of the dissemination campaign (incl. print and online materials) <small>79 / 100 characters</small>	No	3.2	5,000.00	
7. Regional Council	Events/meetings	CAT4-PP7-A-3	Local stakeholder events during pilots and the implementation of the local publicity campaign <small>93 / 100 characters</small>	No	2.1 3.1	7,000.00	
7. Regional Council	Events/meetings	CAT4-PP7-A-3	Expenses to host a Partner workshop (25-30 persons; 2 days incl. a field trip) <small>78 / 100 characters</small>	No	N/A	6,500.00	
8. City of Jyväskylä	Other	CAT4-PP8-G-3	Travel costs of associated partners (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	5,000.00	
Total						595,572.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
8. City of Jyväskylä	Specialist support	CAT4-PP8-E-3	External expert services to analyse feasible technologies for industrial areas (up to 3 contracts) <small>98 / 100 characters</small>	No	1.1 1.2 1.3	60,000.00	
8. City of Jyväskylä	Specialist support	CAT4-PP8-E-3	External consultancy services for the implementation of WP 2 (foremost pilot action; 15 servicedays) <small>100 / 100 characters</small>	No	2.1 2.2 2.3 2.4	10,000.00	
8. City of Jyväskylä	Communication	CAT4-PP8-C-3	Implementation of local awareness raising and publicity campaign (incl. print and online materials) <small>99 / 100 characters</small>	No	3.1	10,000.00	
8. City of Jyväskylä	Events/meetings	CAT4-PP8-A-3	Expenses of hosting a peer review visit to the pilot action site <small>64 / 100 characters</small>	No	2.2	1,500.00	
8. City of Jyväskylä	Specialist support	CAT4-PP8-E-3	External support to adjust municipal plans and strategies integration project outputs <small>85 / 100 characters</small>	No	3.3	3,500.00	
9. Zemaale Plannin	Other	CAT4-PP9-G-3	Travel costs of regional key actors (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	5,000.00	
9. Zemaale Plannin	Events/meetings	CAT4-PP9-A-4	Local stakeholder events during pilots and the implementation of the local publicity campaign <small>93 / 100 characters</small>	No	2.1 3.1	2,500.00	
9. Zemaale Plannin	Specialist support	CAT4-PP9-E-4	Support of experts to assess technological potentials and their feasibility in BSR industrial areas <small>99 / 100 characters</small>	No	1.1 1.2 1.3	20,000.00	
Total						595,572.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
9. Zemaale Plannin	Events/meetings	CAT4-PP9-A-4	Expenses for hosting a peer review visit to the pilot action site <small>65 / 100 characters</small>	No	2.1	1,000.00	
9. Zemaale Plannin	Specialist support	CAT4-PP9-E-4	External support to adjust regional planning documents and strategies integration project outputs <small>97 / 100 characters</small>	No	3.3	30,000.00	
10. Sustainable Bus	Events/meetings	CAT4-PP10-A-	Hosting a 1-day field trip of the project team to Malmö/Lund (coordinated w/ Kick-Off Event) <small>92 / 100 characters</small>	No	N/A	2,500.00	
10. Sustainable Bus	Other	CAT4-PP10-G-	Travel costs of associated partners (transnational workshops, study trips and/or peer reviews) <small>94 / 100 characters</small>	No	1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4	5,000.00	
10. Sustainable Bus	Communication	CAT4-PP10-C-	Implementation of the awareness raising and publicity campaign (incl. print and online materials) <small>97 / 100 characters</small>	No	3.1 3.2	5,000.00	
11. Ministrv of Envir	Events/meetings	CAT4-PP11-A-	Hosting a partnership meeting (1.5 days, approx. 25 persons) <small>60 / 100 characters</small>	No	N/A	4,000.00	
11. Ministrv of Envir	Specialist support	CAT4-PP11-E-	External support to adjust national strategies, funding programmes and climate protection concepts <small>98 / 100 characters</small>	No	3.3	15,000.00	
11. Ministrv of Envir	Communication	CAT4-PP11-C-	Implementation of the awareness raising and publicity campaign (incl. print and online materials) <small>97 / 100 characters</small>	No	3.1 3.2	7,500.00	
Total						595,572.00	

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
2. Corporation for	IT hardware and soft	CAT5-PP2-B-0	Lease of software licenses for energy planning tools to be used in the project's pilot actions <small>94 / 100 characters</small>	No	2.1	12,000.00	
Total						12,000.00	

7.1.3 Infrastructure and works

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
Please select	Please select	CAT6-PP--01	<small>0 / 100 characters</small>	Please select		0.00	
Total						0.00	

7.2 Planned project budget per funding source & per partner

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
1-LP	Ministry of Economy, Infrastructure, Tourism and Labour Mecklenburg-Vorpommern	Active 22/09/2022	 DE	ERDF	80.00 %	659,888.00	527,910.40	131,977.60	For each partner, the State aid relevance and applied aid measure are defined in the State aid section
2-PP	Corporation for Regional Participation and Climate Protection mbH	Active 22/09/2022	 DE	ERDF	80.00 %	219,940.00	175,952.00	43,988.00	
3-PP	Kalundborg Symbiosis	Active 22/09/2022	 DK	ERDF	80.00 %	333,790.20	267,032.16	66,758.04	
4-PP	Kalundborg Municipality	Active 22/09/2022	 DK	ERDF	80.00 %	189,054.00	151,243.20	37,810.80	
5-PP	Podlaska Regional Development Foundation	Active 22/09/2022	 PL	ERDF	80.00 %	193,408.00	154,726.40	38,681.60	
6-PP	Lithuanian Innovation Centre	Active 22/09/2022	 LT	ERDF	80.00 %	121,182.00	96,945.60	24,236.40	
7-PP	Regional Council of Central Finland	Active 22/09/2022	 FI	ERDF	80.00 %	144,244.00	115,395.20	28,848.80	
8-PP	City of Jyväskylä	Active 22/09/2022	 FI	ERDF	80.00 %	403,934.40	323,147.52	80,786.88	
9-PP	Zemgale Planning Region	Active 22/09/2022	 LV	ERDF	80.00 %	219,492.00	175,593.60	43,898.40	
10-PP	Sustainable Business Hub Scandinavia AB	Active 22/09/2022	 SE	ERDF	80.00 %	253,988.00	203,190.40	50,797.60	
11-PP	Ministry of Environmental Protection and Regional Development of the Republic of Latvia	Active 22/09/2022	 LV	ERDF	80.00 %	106,996.00	85,596.80	21,399.20	
Total ERDF						2,845,916.60	2,276,733.28	569,183.32	
Total						2,845,916.60	2,276,733.28	569,183.32	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Preparation costs	24,000.00	19,200.00	24,000.00	19,200.00
Period 1	311,499.00	249,199.20	311,499.00	249,199.20
Period 2	372,323.00	297,858.40	372,323.00	297,858.40
Period 3	445,902.00	356,721.60	445,902.00	356,721.60
Period 4	491,530.30	393,224.24	491,530.30	393,224.24
Period 5	585,770.00	468,616.00	585,770.00	468,616.00
Period 6	614,892.30	491,913.84	614,892.30	491,913.84
Total	2,845,916.60	2,276,733.28	2,845,916.60	2,276,733.28