

Green

Energy Park



www.gep-global.com



Green Energy Park | Group

Group Activities and References:

- Over +40 years in Energy Infrastructure and LNG Terminals EPC
- Over +20 years of leadership in Renewable Hydrogen
- Reference projects in 39 countries



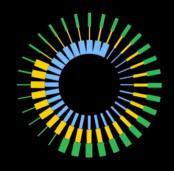






Reference Projects





Making the Hydrogen Economy a reality



Executive Board

Reference projects in <u>Annex</u>

Implementing the energy transition



CEO Bart Biebuyck

Founder of Hybart, R&I and institutional

Former Executive Director of the Clean Hydrogen Partnership of the European Commission

Invented EU Hydrogen Valleys and Hydrogen Bank concept





CTO Tobias Puklavec

Owner of Gasfin Group Co-owner TGE Gas Engineering (350 people)

One of the world's leading EPC contractors for ammonia terminals and LNG infrastructure





COO Mindaugas Zakaras

Founder of MT Group Founder of Nord Steel CEO Zakaras Holding (350 people combined))

EPC for on/off-shore pipelines, gas terminals, and port infrastructures



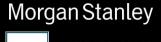


CFO Mario Reinisch

Founder of EXOGEN Hydrogen Solutions

Co-founder of Park Lane Advisory

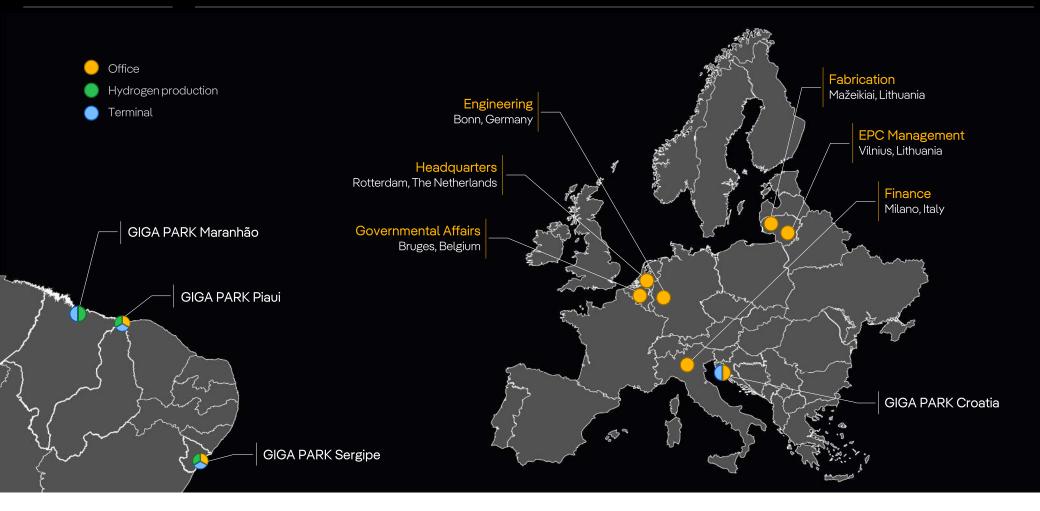
M&A advisory, Morgan Stanley New York

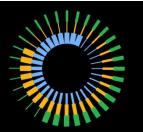






International Presence





Green Energy Park

Green Energy Park in Brazil



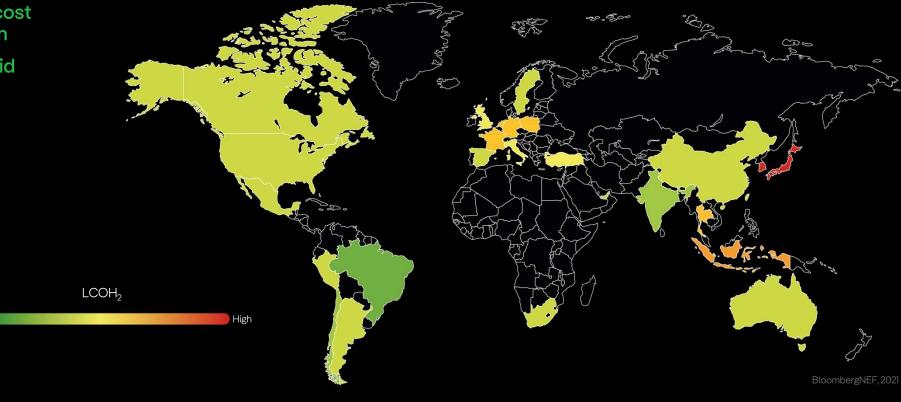


Why Brazil?

 $LCOH_2$ from renewable electricity

- World-class renewables
- Lowest cost
 hydrogen
- Green grid

Low





Strategic Partnership Eletrobras

Public Announcement, 14 May 2024

Green Energy Park is the official hydrogen partner of Eletrobras.

- Eletrobras is one of the biggest renewable energy companies in the world
- Together the companies have signed a strategic partnership agreement for over 10GW of renewable hydrogen projects in Brazil and around the world





Green Energy Park in Brazil







Global Gateway Funding

President von der Leyen keynote address at the EU Hydrogen Week, 20 Nov 2023



Quote:

"Together with President Lula of Brazil, we are announcing the **European Union's support** to build one of the biggest hydrogen projects in the world, in the Brazilian State of Piaui. It is part of a **twobillion-euro Global Gateway investment** in the hydrogen value chain in Brazil.

This new **Green Energy Park** will be a 10 GW production facility for clean hydrogen and ammonia, which will then be shipped to the island of Krk in Croatia. From there, hydrogen will travel to serve industrial offtakers in South-East Europe. And in parallel, this project will create local jobs and value chains in Brazil."



"Climate and Energy" Flagship 2025



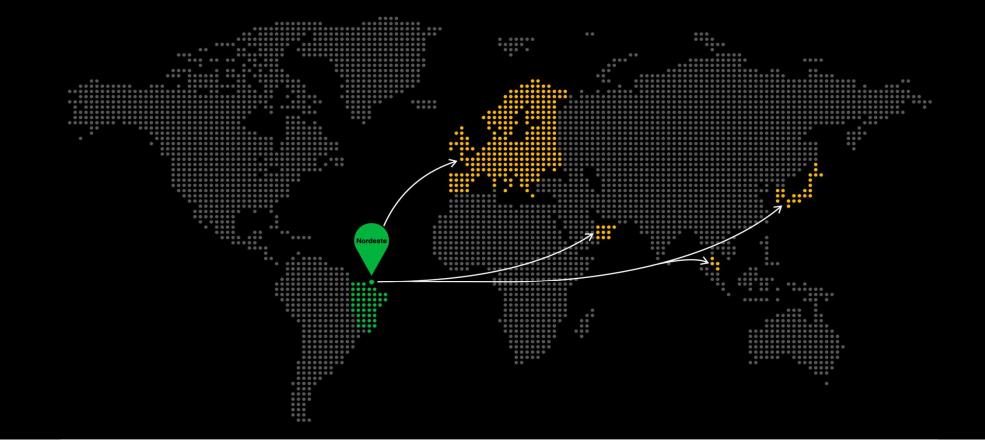


"Brazil North-East Green Energy Parks and Green Shipping Corridors"

22 Nov. 2024 Council of the EU



Green Shipping Corridors



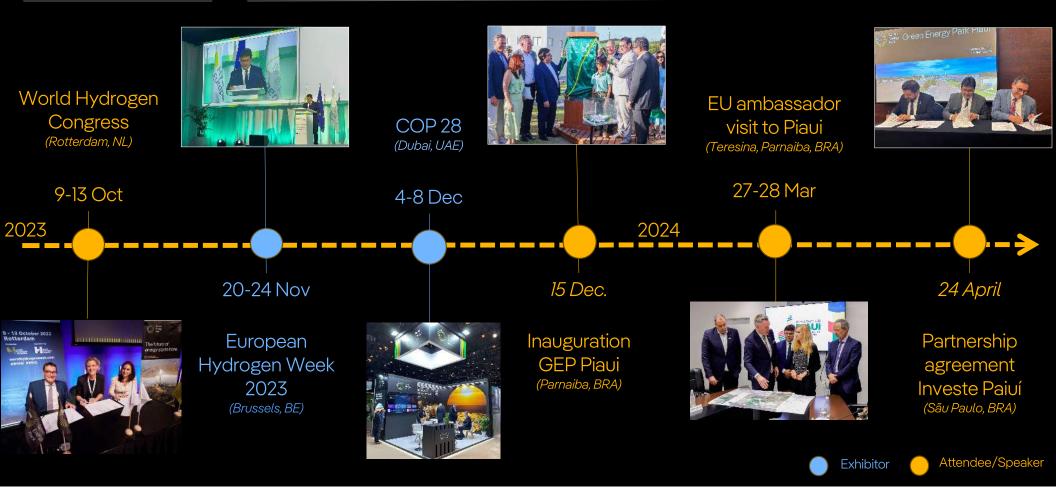


GIGA PARK Piauí





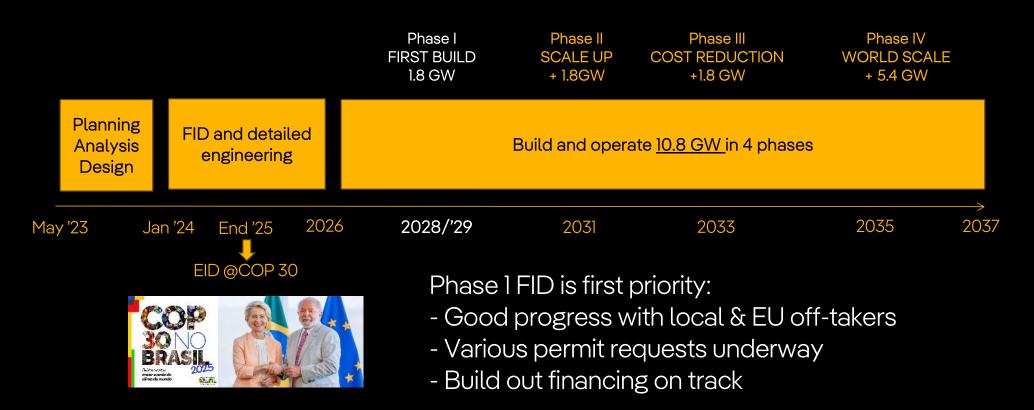
Company Milestones





Giga Park Piauí

2023 – 2037 project timeline



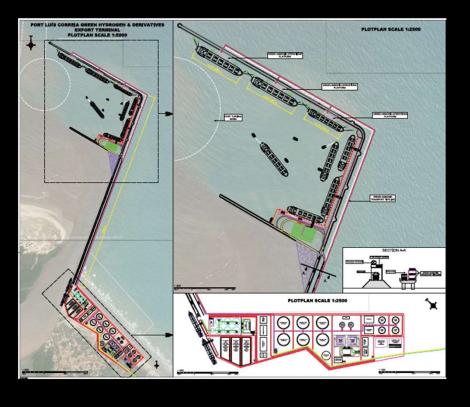


Infrastructure & Location

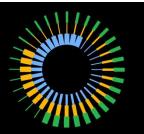




Export Terminal Luis Correia







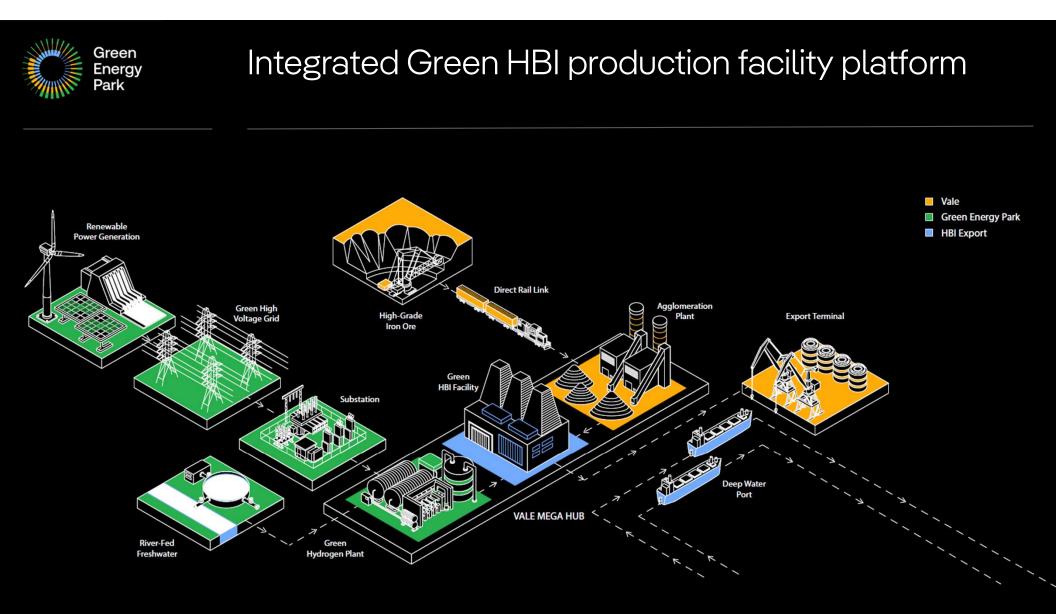
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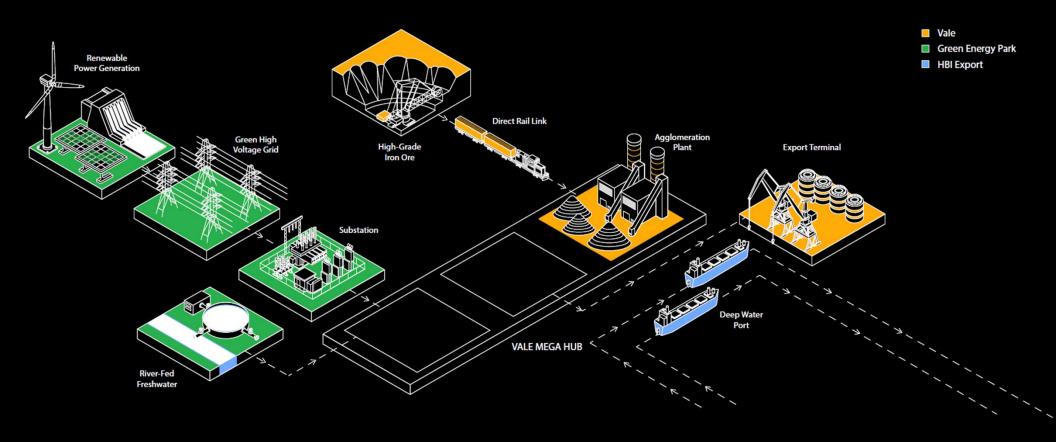
GIGA PARK Maranhão





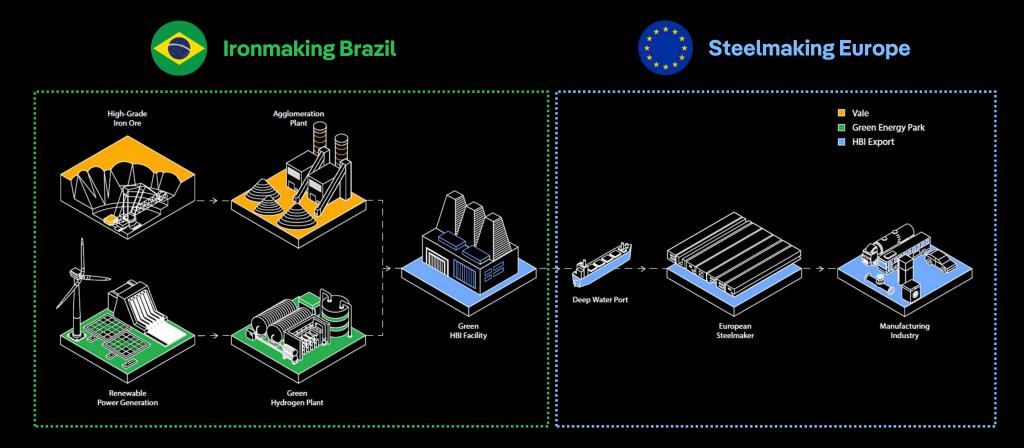


Existing infrastructure significantly reduces CAPEX and project-on-project risk



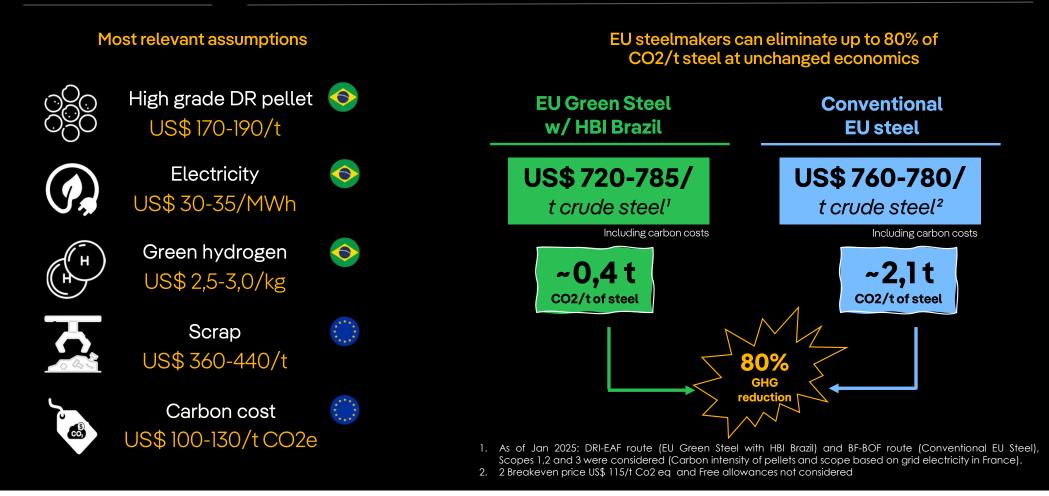


Concept designed to match opportunities & needs between both Brazil and Europe



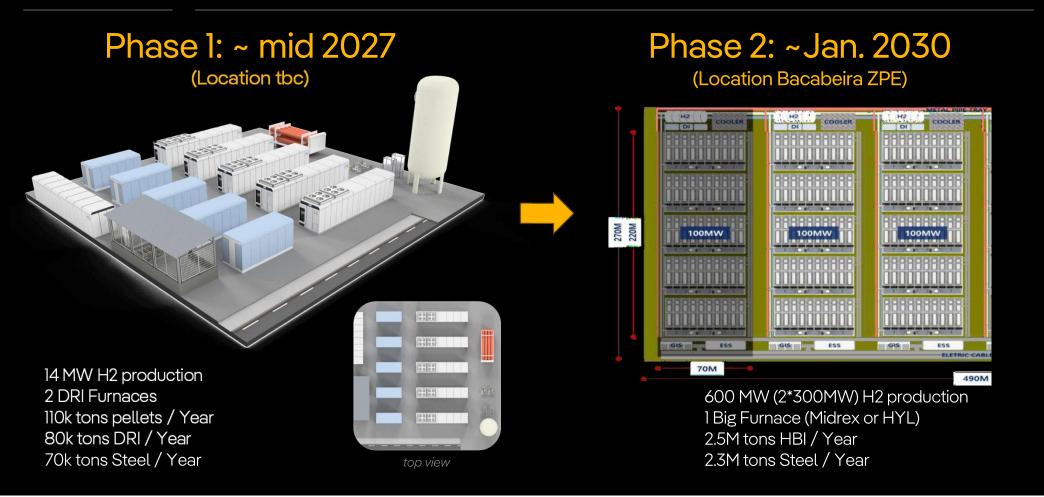


Parity With Conventional Steel





Two Phases: Pilot and Full Build Out





Phase 2 Location: Bacabeira ZPE

CONFIDENTIAL





Green

GIGA PARK Sergipe





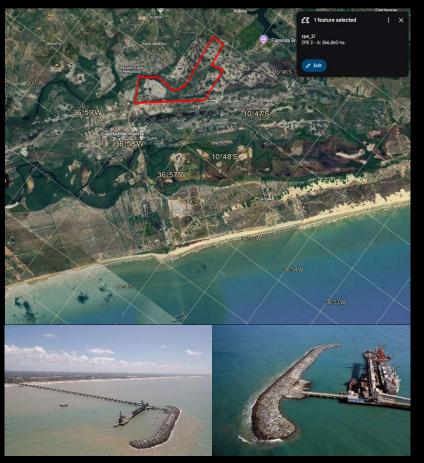
GIGA PARK Sergipe



Giga Park Sergipe specifications and state of play:

- Phase 1: 600~900MW of total 5.4GW H2 production capacity. Build out by units of 300MW based on the Piaui project.
- The H2 carrier is not yet decided.
- Off-takers locally and in Europe identified.
- Terminal 3rd party usage rights and 266,86 Ha free trade zone rights needed for successful project.







Giga Park Croatia

www.gep-krk.com





Unique Location

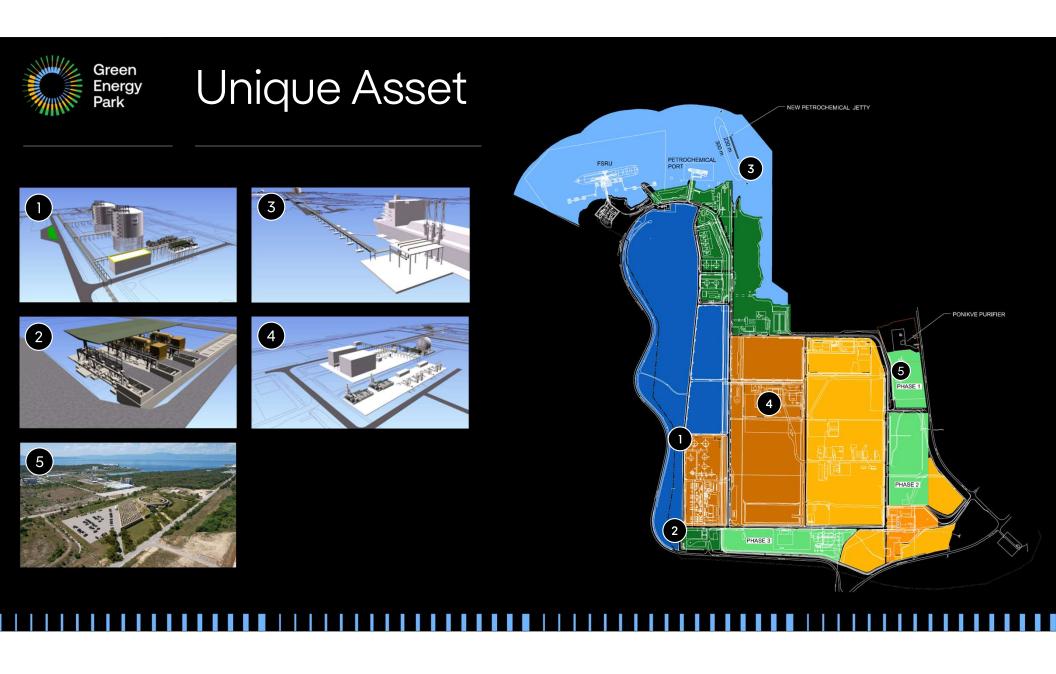
The Central European Gateway for Renewable Hydrogen Supply





Green Energy Park Mooring Area and Jetty





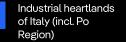


Regional Offtake

Supplying European industrial heartlands representing over € 3.0trn in GDP

North Adriatic Hydrogen Valley (NAHV)

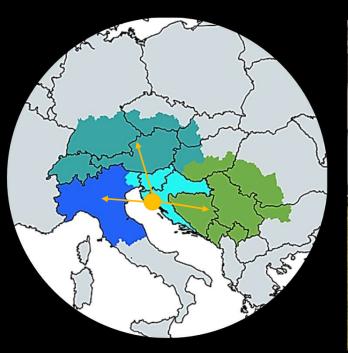
- €800m total investments
- €225m in public funding
- Over 30 consortia partners: large off-takers in steel, glass, and cement



Industrial heartlands in South Germany and Austria

Countries in in the Balkan Region

North Adriatic Hydrogen Valley (NAHV): Croatia, Slovenia, and Friuli Venezia Giulia





NAHV Forum, 23rd May 2023 in Slovenia



ANNEX 1: References







Bart Biebuyck

Graduated in Automotive Engineering in the Netherlands



1999 - 2016

Furgear Hydropen Everyter

2016 - 2023

- Toyota R&D, part of the Toyota Mirai development team in Europe
- Construction of the first hydrogen refuelling station in Belgium 2014-2016
- Holder of two patents in gearbox control systems
- A two-year assignment at Toyota R&D in Japan
- CEO Clean Hydrogen Partnership (formerly Fuel Cell and Hydrogen partnership), a public-private partnership of the European Commission, the hydrogen industry and research community.
- Successfully negotiated REPowerEU's €2.0 bn + €200 mln R&I programme
- Architect of the Hydrogen Valleys, European Hydrogen Week, European Hydrogen Bank



2023 - ongoing

- June 2023: Founded Hybart, specializing in international project development and consultancy.
- September 2023: Co-founded Green Energy Park, a joint venture focused on importing and selling hydrogen and ammonia in Europe, with production facilities in Brazil.







Bart Biebuyck

During 7 years of work as CEO of Clean Hydrogen Partnership (formerly Fuel Cell and Hydrogen partnership), Bart Biebuyck supported over 1,000 beneficiaries in 340+ R&I projects, including 12+ Hydrogen Valleys.



EU-funded H2FUTURE project: the green hydrogen pilot plant at the voestalpine steel plant in Linz, Austria Capacity of 6 megawatts PEM electrolyser system and a production of 1,200 cubic meters of green hydrogen per hour.



The North Adriatic Hydrogen Valley (NAHV)

Horizon Europe project supported by the Clean Hydrogen Partnership. The NAHV project foresees the development of 17 testbeds which will cover the complete hydrogen value chain. In the next few years the NAHV will contribute to the REpowerEU target of 10 million tonnes of domestic renewable hydrogen to replace natural gas, coal and oil in hard-to-decarbonise industries and transport sectors.



TGE Gas Engineering



Tobias Puklavec

TGE brings an extensive track record in ammonia handling, transport, and storage across various global regions. Since 1998, TGE has successfully executed numerous projects, including comprehensive feasibility studies and the delivery of EPC solutions. Some notable references include:



Ammonia Terminal from 170kt/a to 320kt/a

Anhydrous Ammonia Terminal incl. 1 x 15,000 MT Storage Tank

Mailiao, Taiwan Ammonia Terminal incl. $2 \times 30.000 \text{ m}^3$ Tanks







Tobias Puklavec Gasfin Group develops multiple projects in areas related to methane, propane and ethane-ethylene but its major focus lies on the development of the green energy and waste sector.



Project Bonnie, Martinique and Guadeloupe

Gasfin was contracted by Électricité de France SA (EDF) to provide a mid-scale LNG infrastructure solution for the French Caribbean islands of Martinique and Guadeloupe. The LNG is intended to be used in the new 200MW power plants on each island.



Tema LNG Terminal, Ghana

Gasfin was a founding partner of Tema LNG Terminal Co. Gasfin has led the design of the entire project, including the marine works, pipeline and the fabrication of the floating infrastructure, helping deliver a new 3 mtpa LNG import plant at a competitive price in a challenging marine and logistical environment.



Caribbean LNG, Trinidad and Tobago Caribbean LNG is a mid-scale LNG liquefaction development located in the industrial zone of La Brea, Trinidad. The project

received all permits required for immediate construction of a 500,000 to 1,000,000 tonne LNG export plant.







Mindaugas Zakaras

MT Group is a leading EPC contractor, established in 2008. With a robust track record, MT Group has successfully executed a wide range of energy projects, encompassing oil and gas, offshore operations, renewable energy, as well as port and infrastructure development.









Mindaugas Zakaras

Nord Steel specializes in producing high-quality steel products and engineering solutions, including structural steel, pressure vessels, and piping. The company provides a wide range of certified products, such as tanks, pipe racks, and service platforms, meeting the highest industry standards.

BIO-LNG, SKID SYSTEM





LNG CAPACITY INCREASEMENT

AMINE PURIFIER VESSELS FOR BIO FUEL















Mario Reinisch

PhD in economics and finance, summa cum laude, UC Berkely, KFUG, Austria





Relevant Experience

+100 transactions since 1999 as financial advisor, principal investor, and owner-operator

+25 years of capital markets experience: in M&A advisory, Private Equity, Venture Capital, and Alternative Investments. Winner of the prestigious HFR award

+4 years of leadership in the global hydrogen sector:

- Co-Founder of Exogen Hydrogen Solutions,
- Co-Founder and CFO at Green Energy Park





Professional Associations

- Morgan Stanley, M&A advisory, New York, NY
- SISU Capital, private equity and capital markets services, London, UK
- Park Lane Capital, venture capital and investment advisory, London, UK
- Exogen Hydrogen Solutions, renewable energy applications, Milan, Italy
- Green Energy Park | Global, integrated hydrogen producer, Rotterdam, the Netherlands



THE END