



BRAZILIAN CHAMBER
OF COMMERCE IN GREAT BRITAIN



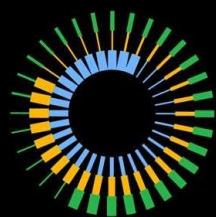
Department for
Business & Trade

ALLEN & OVERY

Hydrogen in Brazil

1 March 2024





Green
Energy
Park

Green Energy Park GLOBAL

Bart Biebuyck,
CEO Green Energy Park



Founders

www.gep-krk.com

Complimentary backgrounds



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

Manufacturing facilities



CFO Mario Reinisch

Founder of EXOGEN Hydrogen
Solutions
Co-founder of Park Lane
Advisory

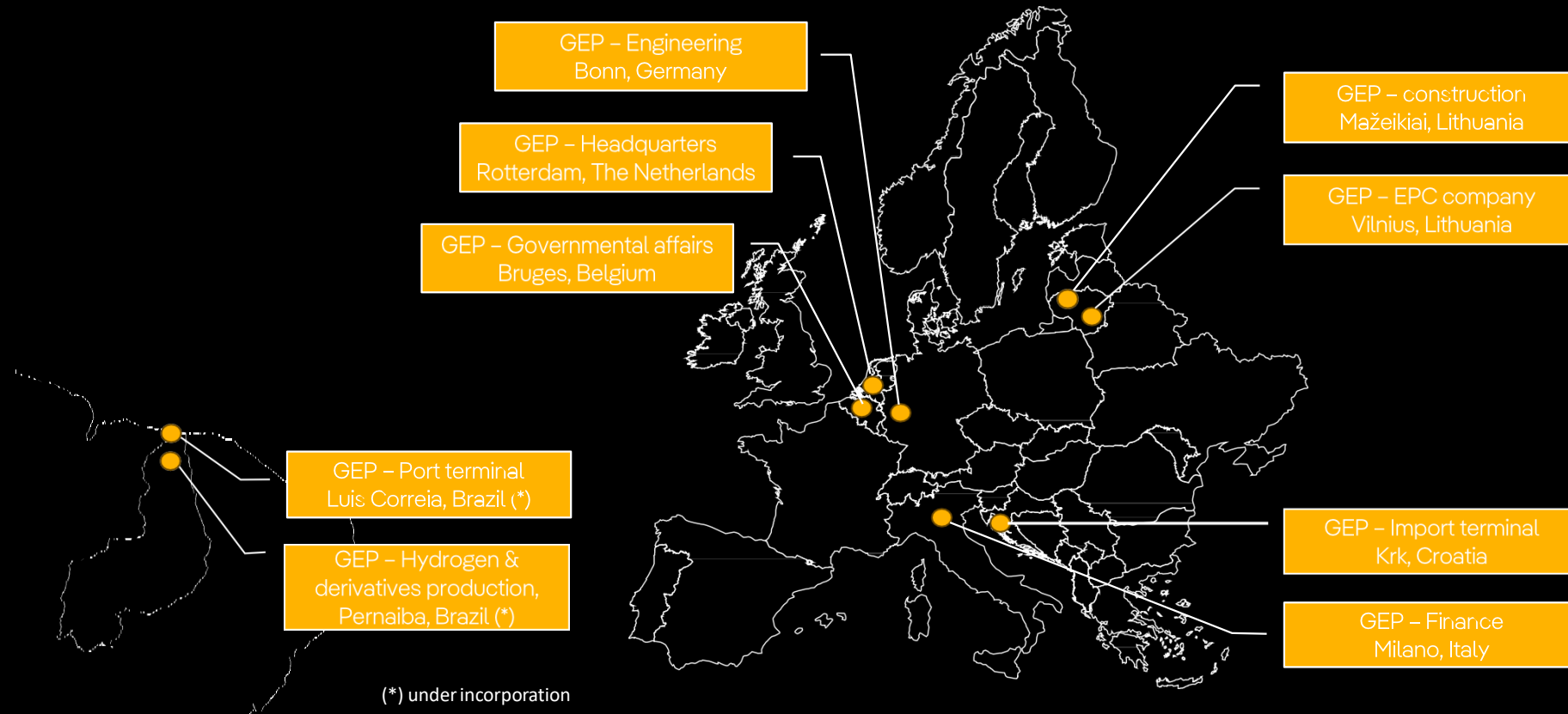
M&A advisory, Morgan Stanley
New York

Morgan Stanley





Green Energy Park offices



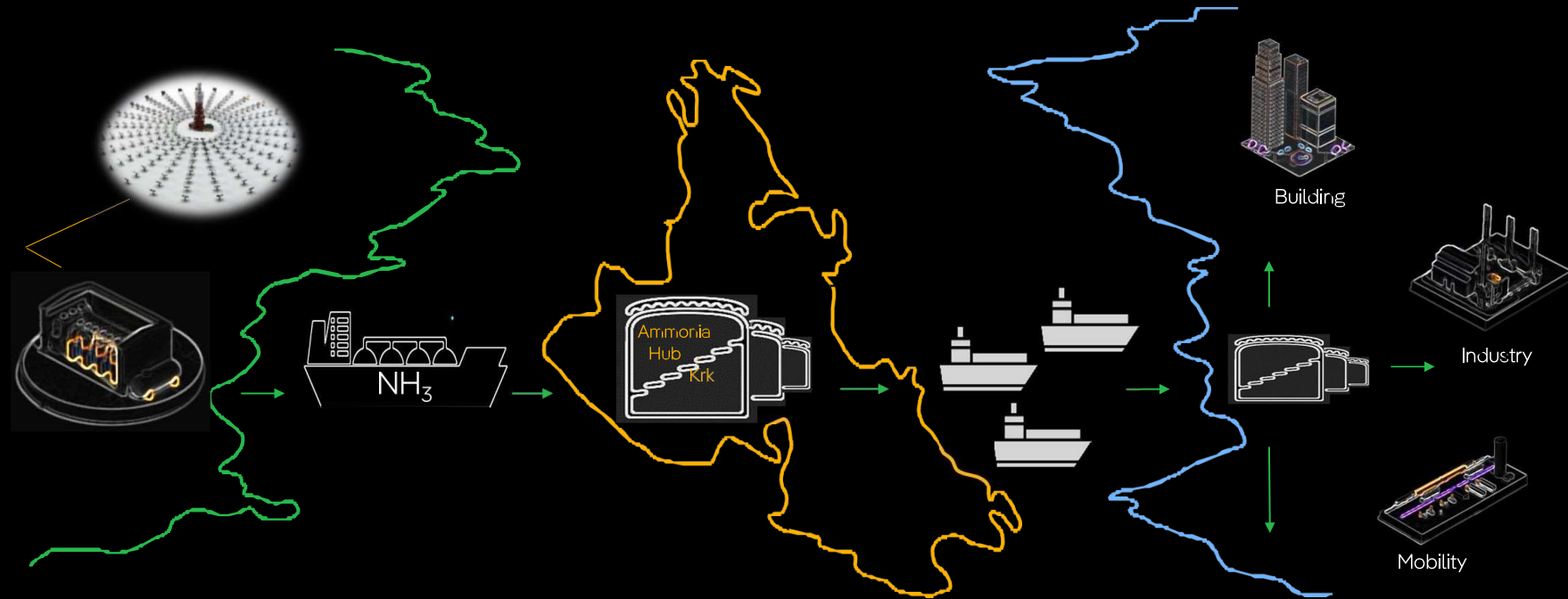
Active In The Full Value Chain

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1. UPSTREAM

2. MIDSTREAM

3. DOWNSTREAM





www.gep-global.com

Global Trading Network

- >10m tons, in-house green ammonia production: *"Green Energy Park Piauí"*
- Strategic partnerships around the world
- Sourcing ammonia from at least five different locations globally for diversity of supply
- Proprietary midstream facility in Kraków for large-scale bunkering and bulk break, serving Central Europe





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Production Flagship: Green Energy Park Piauí





Green Energy Park

Six Company Milestones in 2023





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Global value chain designed

Actions taken, value chain designed, ready for execution

- ✓ Site visits
- ✓ Customers visits
- ✓ Technology selection / review
- ✓ Competitive landscape
- ✓ Government meetings
- ✓ Public outreach
- ✓ Investors identification

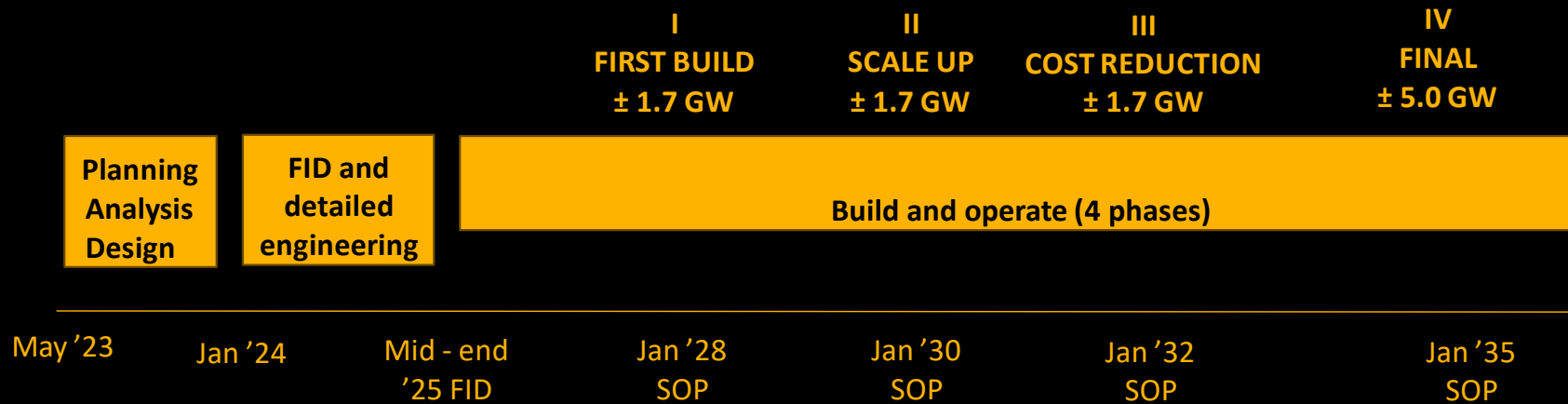




Green Energy Park

Green Energy Park Piauí

2023 – 2035 project timeline





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>10mta Green Ammonia Production

Needs	Quantities	Unit
Electrolyser	> 10.0	GW
Hydrogen	> 2.0m	Tons/year
Ammonia	> 10.0m	Tons/year
Water	± 21.0m	m ³
CAPEX estimated: Electrolyser, BOP, storage	± 8.45bn	EUR
CAPEX estimated: Ammonia process, ASU, storage	± 6.42bn	EUR
CAPEX estimates: Electrical part	± 2.95bn	EUR
Total Investment	± <u>17.8bn</u>	EUR
Land size required	310 Ha reserved on ZPE	Ha

All numbers are indicative and subject to be confirmed in the detailed engineering work



Green Energy Park

Infrastructure and Location





Technology Strategic Collaboration

Green Energy Park and Baker Hughes Sign a Memorandum of Understanding Envisioning a Collaboration in Multiple Areas of the Green Hydrogen Value Chain

Wednesday, 31 January 2024 07:30

FLORENCE, ITALY /ACCESSWIRE /January 31,2024 /Green Energy Park, a vertically integrated renewable energy company, is pleased to announce the signing of a Memorandum of Understanding (MoU) with Baker Hughes, a global leading industrial energy technology company that provides solutions to energy and industrial customers worldwide.

The agreement aims to set out the principles of the envisaged collaboration between the two companies in multiple areas of the green hydrogen value chain, including, production, storage, transportation and utilization of green hydrogen and ammonia-based fuels at Green Energy Park facilities, port terminals, and customer sites around the world.

The agreement also foresees possible exploration of co-development of related technologies and projects at the giga-watt scale.



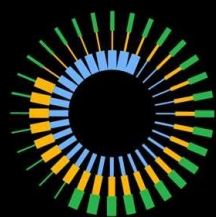


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Export Terminal Luis Correia

- Ammonia export terminal Luis Correia: new terminal facilities (loading facility, pipeline, buffer tanks, utilities, etc.)
- Ship to ship bunkering operations (in sea or quayside)





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Import Flagship: Green Energy Park KRK

Bart Biebuyck,
CEO Green Energy Park KRK



18/10/2023

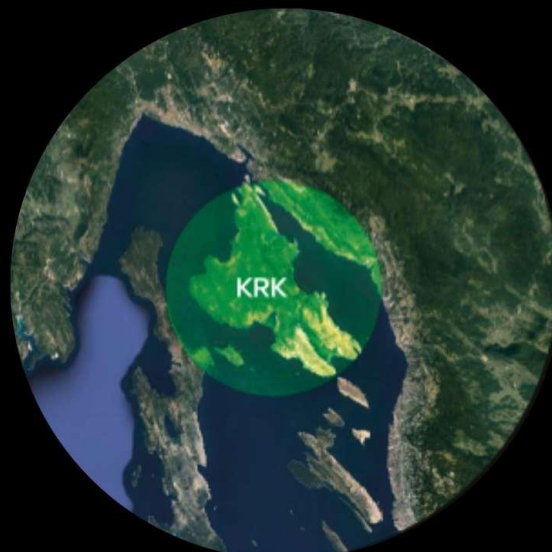
www.gep-krk.com



Unique Location

www.gep-krk.com

The Central European Gateway for renewable ammonia supply

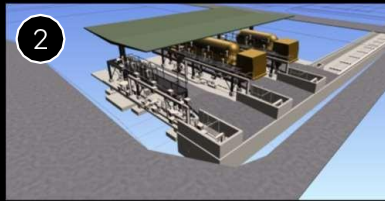
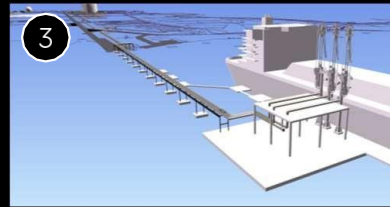




Unique Asset

www.gep-krk.com

Green Energy Park KRK: 153ha industrial freehold property with a deepwater seaport





Green Energy Park

Off-Take

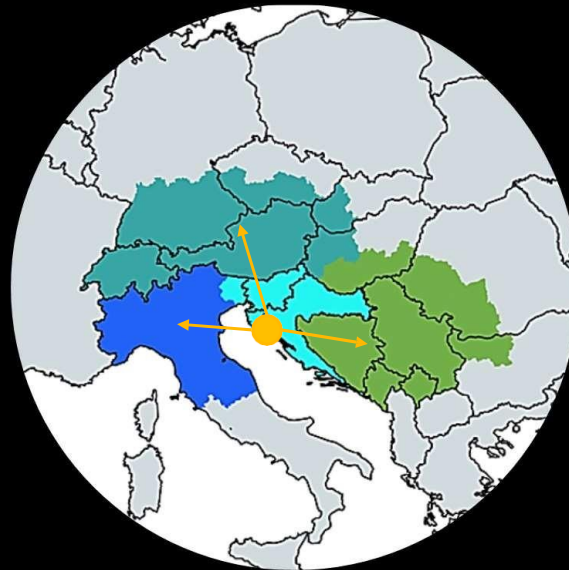
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Supplying European industrial heartlands representing over 1 trillion Euros in GDP

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 of Italy (incl. Po Region)
-  Industrial heartlands in South Germany and Austria
-  Countries in the Balkan Region
-  North Adriatic Hydrogen Valley (NAHV): Croatia, Slovenia, and Friuli Venezia Giulia



NAHV Forum, 23rd May 2023 in Slovenia



Contact:

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