

Green Energy Park Krk –

The Gate to the North Adriatic Hydrogen Valley

23 May 2023 - 3rd International Conference HYDROGEN
ECOSYSTEM NORTH ADRIATIC 2023

gasfin
Group



North Adriatic Hydrogen Valley

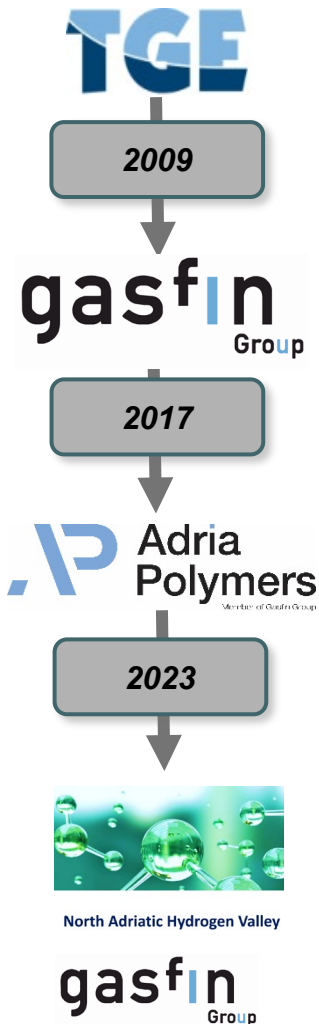
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Company & Project Background

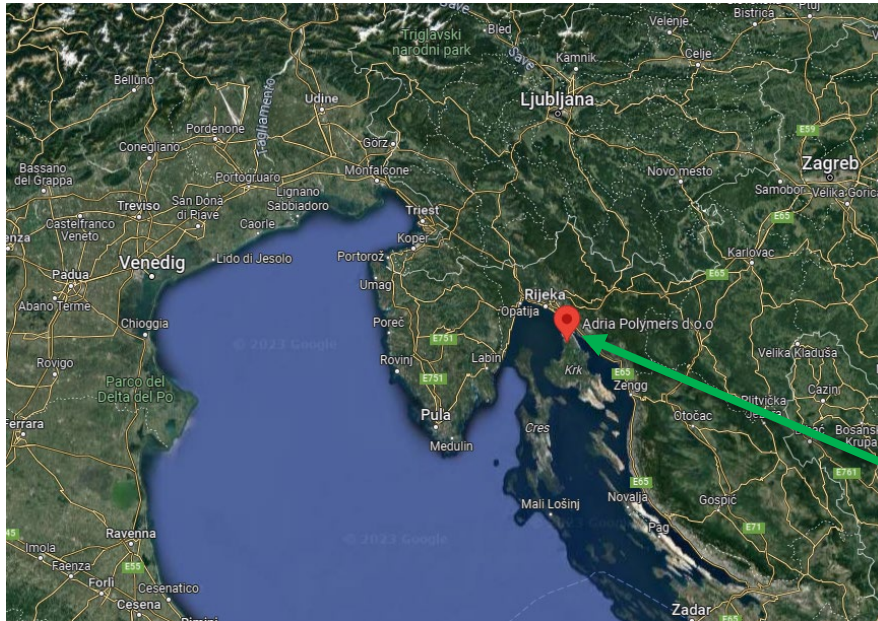
Company and Project background



- TGE, originally Tractebel Gas Engineering, grew within Suez group to be the world leading EPC contractor for cryogenic gas terminals and gas carriers
- After a successful management buyout of TGE, its senior executives and shareholders collaborated to create the Gasfin Group, an engineering led specialist infrastructure developer.
- Gasfin has led the design, permitting and development of multiple mid scale cryogenic gas and LNG and energy projects
- Gasfin has inquired the industrial land on Krk, Croatia for development of different energy projects under the name of Adria Polymers
- Gasfin / Adria Polymers is partnering up with and giving to North Adriatic Hydrogen Valley access to Green Energy through a deep seaport location, the Green Energy Park, at the Island of Krk, Croatia

Green Energy Park

The Green Energy Park is located at Omišalj on the Island of Krk, Croatia:



- Perfectly located at the Adriatic Sea in Croatia with close distances to several countries
- Mainland access with close proximity to the major highways
- Deep Sea Port with existing jetty and potential jetty modifications for more mooring options
- Former industrial plot for the LDPE, VCM and Power Plant with all its permits
- Direct Access to Power Grid



- Already the energy hub of Croatia - FSRU Croatia berthing at the plot delivering gas via gas pipeline– direct gas pipeline access
- Different projects under development for green energy transformation including solar power plant, LDPE recycling plant and hydrogen access to the North Adriatic Hydrogen Valley

The Gate to the North Adriatic Hydrogen Valley

- Flexible supply sourcing from different locations allowing full delivery secureness
- 150 ha plot perfectly located in Croatia with close distances to Slovenia, Italy, Austria and Serbia
- Dedicated plot for the possibility of unloading, storing, cracking and further transportation
- Possible transportation through pipeline and truck loading directly to the off-takers
- Own Hydrogen production as back up solution possible due to available land space



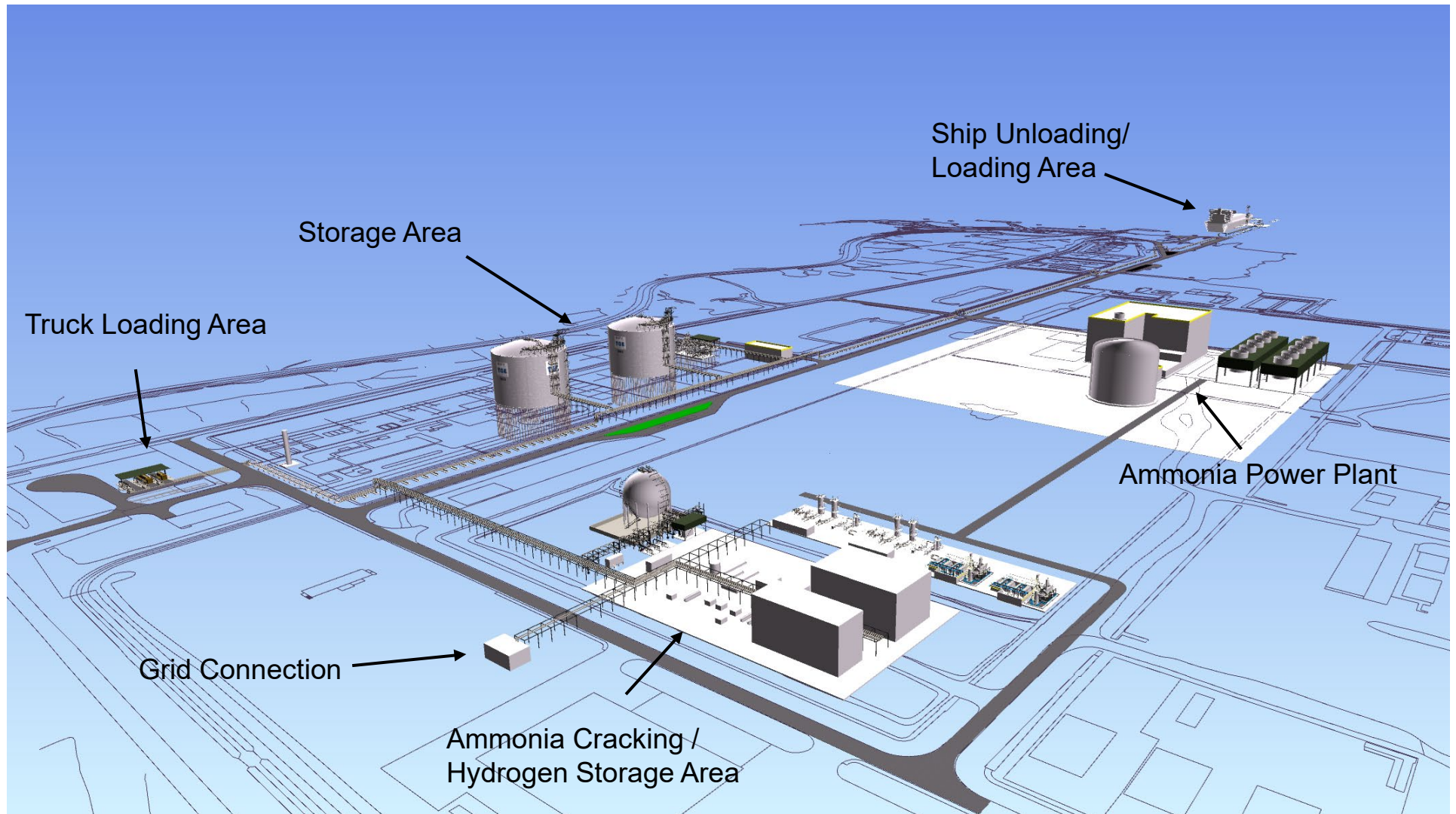
Project Concept

Development of the Green Energy Park with a Hydrogen / Ammonia Complex

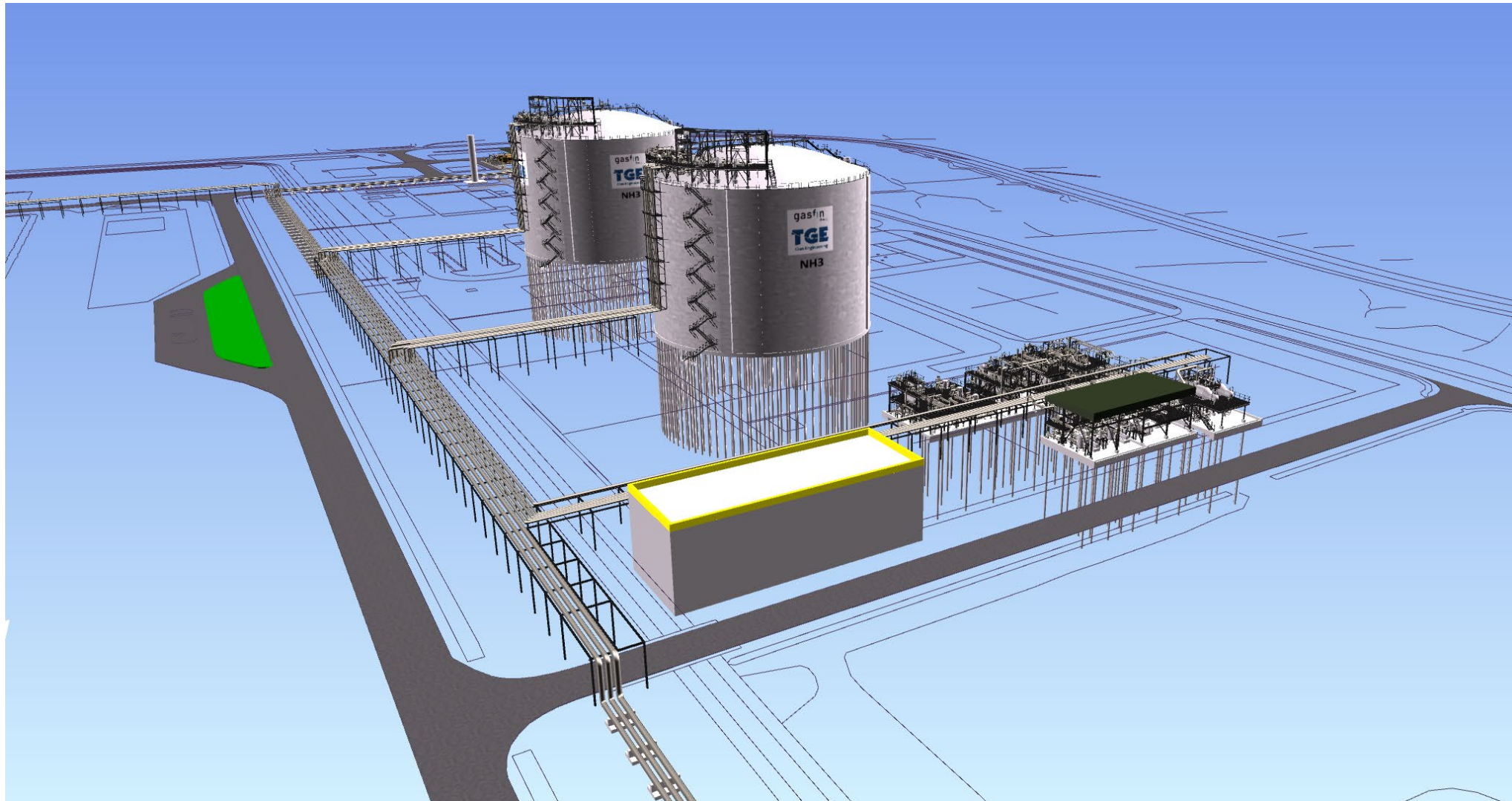
- Import of ammonia with VLGCs (Very Large Gas Carriers, 80,000 m³ class), enabling global sourcing
- Production of green hydrogen with solar power plant
- Cracking of hydrogen from ammonia
- Supply of ammonia to bunker vessels for ship fueling
- Supply of ammonia and hydrogen as fuel to South-European hydrogen network by means of connecting pipeline and trucks
- Supply of ammonia within the complex to:
 - an ammonia/hydrogen fired, combined-cycle power plant
 - a fertilizer plant (future opportunity)
- Training Center / Test Facilities for Hydrogen Studies



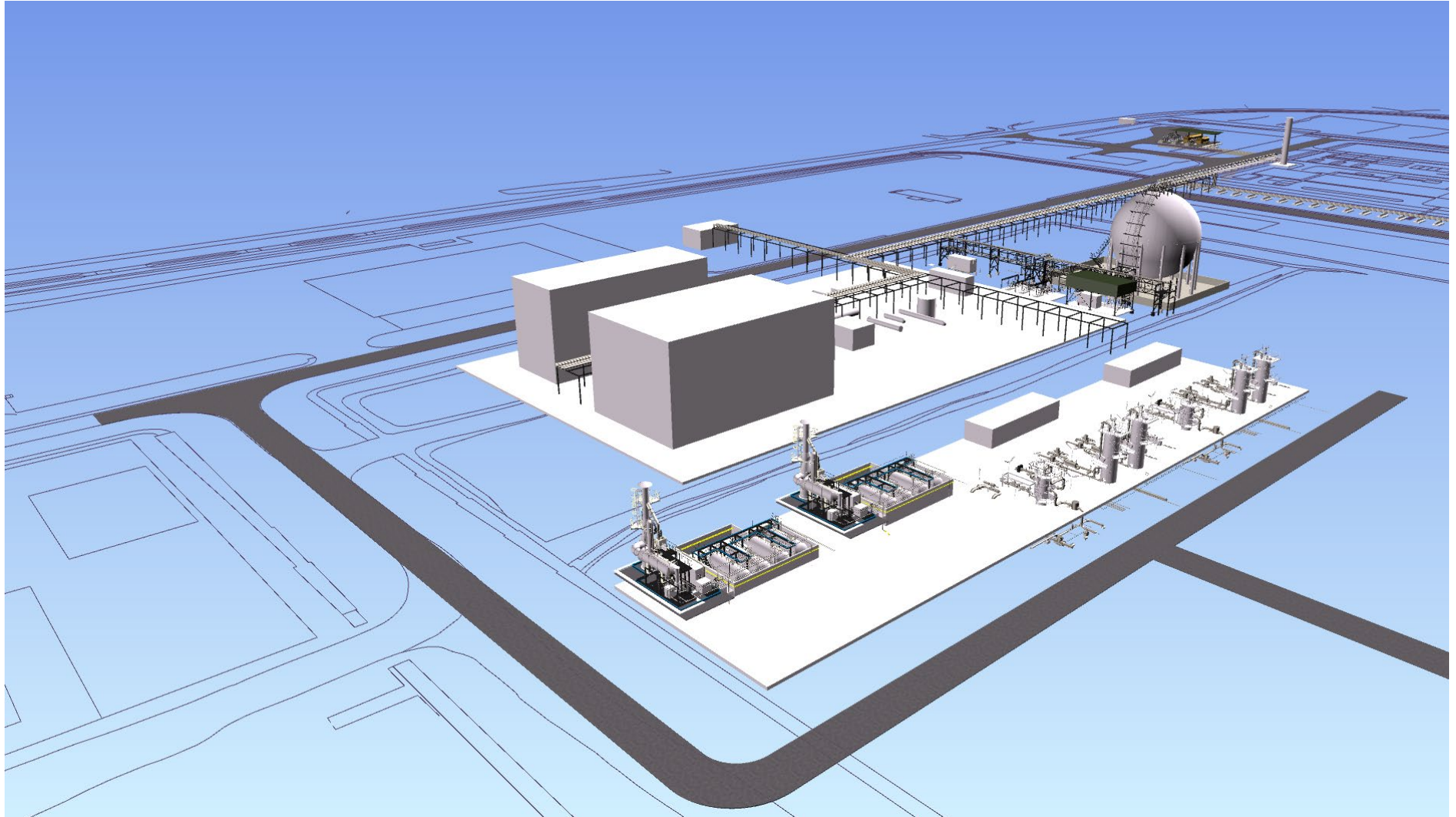
Project Concept - Overview



Project Concept – Storage Tank Area



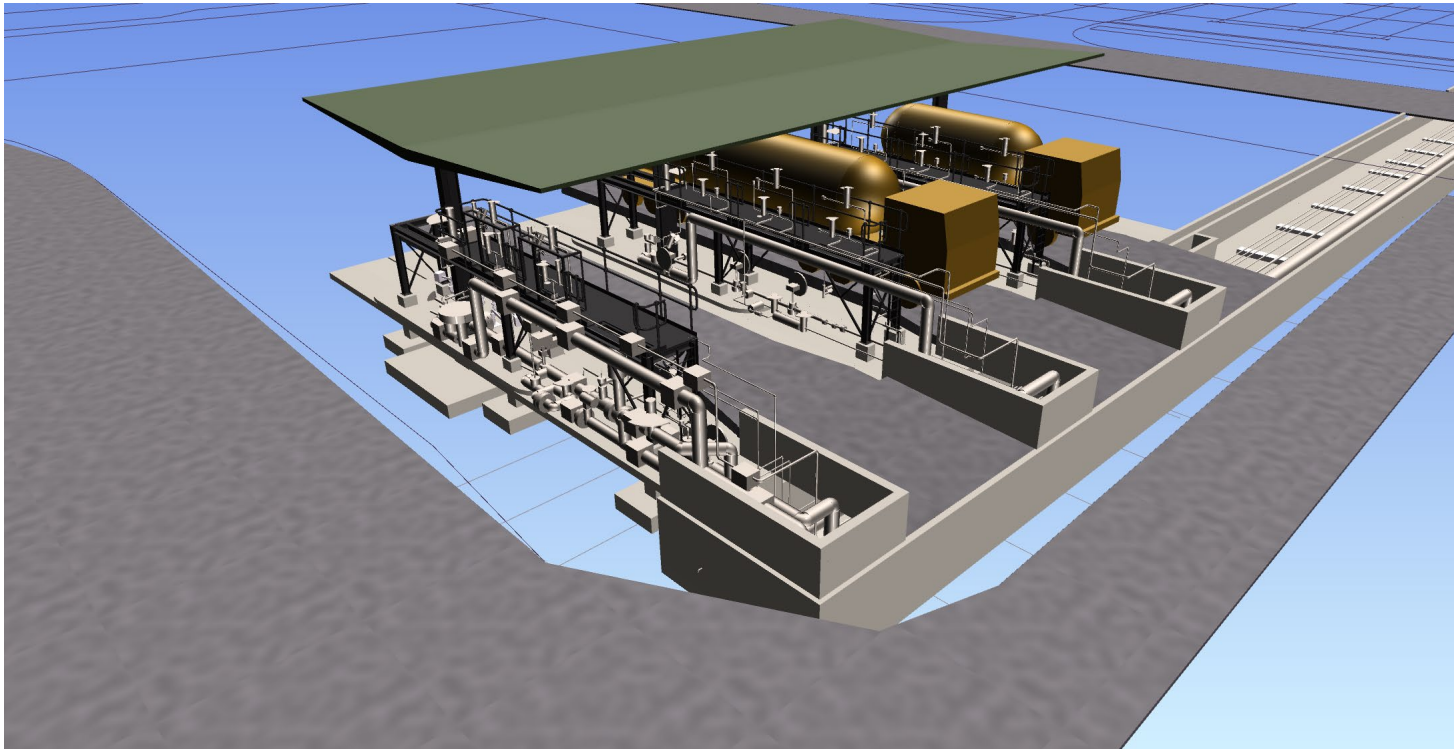
Project Concept – Ammonia Cracking / Hydrogen Treatment Area



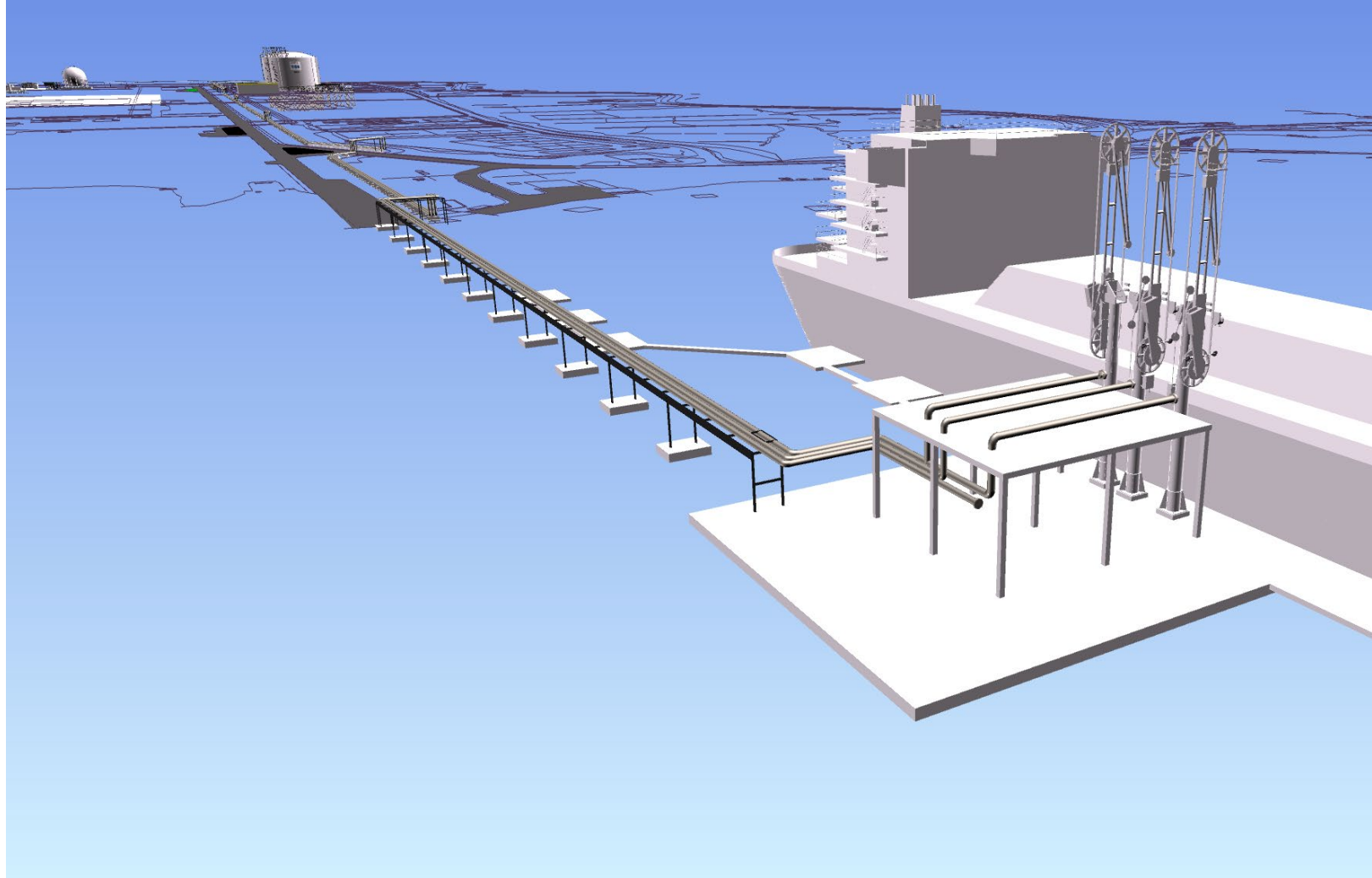
Project Concept – Truck Loading Area

Truck Loading Concept:

- Two to three hydrogen truck loading bays
- Direct access to the end client
- Only 8 kilometers away from the Kvarner A7 highway, which provides excellent connections with major traffic routes



Project Concept – Ship Unloading / Loading Area



Project Concept – Plant View



Project Concept – Plant View



Summary and next steps

SUMMARY:

- Perfect location for the operating delivery chain for the North Adriatic Hydrogen Valley
- Making the Island of Krk to the Green Energy Center of South Europe including further projects with hydrogen powered homes and zero emission projects
- Physical connection of the potential green energy suppliers to the potential green energy off-takers
- Large Solar Power Plant under development for green energy

*„All Together for Sustainability –
A Dream starts with the Idea and the
Right People“*

NEXT STEP:

- Strength the cooperation with the North Adriatic Hydrogen Valley
- Close cooperation with the ministries and authorities for developing and realization of the Green Energy Hub and the North Adriatic Hydrogen Valley
- Contracting feasibility study for the Green Energy Park
- Starting the permit application process



Gasfin – we are available for you – Contact us



Tobias Puklavec
Chairman
Gasfin Group
Bonn, Germany

After the death of Gasfin's founder, his father Vladimir Puklavec in October 2022, Tobias took over his role as Chairman and CEO. Since then, he has led and managed the company with innovation and growth towards new and green energies. His education as an industrial engineer and his almost 20 years of experience in top sales functions and as a member of the management board of TGE Gas Engineering GmbH help him to expand the core business, build new markets and invest in future business. He is not only driving the expansion of Gasfin, as a member of the supervisory board of TGE Gas Engineering GmbH he is steering the development towards the future.



Thomas Sölla
Chief Sales Officer
Gasfin Group
Bonn, Germany

In his role, Thomas supports the Board of Directors on corporate and business development issues. He is charged with aligning the business development strategy with the company's vision and values, and shaping and guiding relationship management, sales and revenue activity across the enterprise. With over 20 years of experience in a variety of sales and business development roles in the international EPC project business of plant engineering and construction and his in-depth training in process engineering, international corporate management and project management, he helps steer the company's larger strategic directions and their impact.



Marko Martinovic
Managing Director
Adria Polymers
Rijeka, Croatia

In his role as CEO of Adria Polymers, Marko leads business development activities for the new cutting-edge green and sustainable projects developed in Croatia, he supports the Board of Directors with market surveys, new product/business proposals, business plan preparation and project development execution until FID. Furthermore, he is managing all corporate assets based in Croatia ranging from industrial sites to undeveloped tourism land. With 15 years of experience in the business development and project management roles in oil, gas & petrochemical projects and with his analytical skills along with communication and organization savvy, he is enabling troubled real estate assets to turn into desired green & sustainable projects for investment.



Michael Knabben
Managing Director
Gasfin Group
Bonn, Germany

Michael is a member of the Gasfin Group's Board of Directors and the Managing Director within the Gasfin Group. His many years of experience as a close business partner and companion of the company founder are invaluable for the future direction of the company. Within the group, he is responsible for the finances as well as the regulatory and legal aspects of the company. He shares over 40 years of experiences in executing and organization of projects.



Eugen Illenseer
Chief Operating Officer
Gasfin Group
Bonn, Germany

As COO, Eugen advises the general management on all aspects of the company's day-to-day business. With his skills and over 15 years of experience, which he has already proven in several management functions and in the establishment and expansion of subsidiaries based on his training in mechanical engineering, he manages the operational business of the company. He is also responsible for increasing productivity, developing strategies to develop talent at all levels and coaching leaders to effectively achieve the company's goals.

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