

MP INDUSTRIES

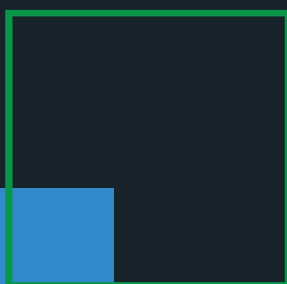
# From Groundwork to Green H2

Practical Project Experiences from H2  
Projects Installations

Martins Brinins  
CEO  
MP Industries



2024





# MP Industries

Environmentally conscious and economically efficient solutions for renewable power and green hydrogen generation.

Our **MISSION** is to help our clients bring their vision to life in a cost-effective, sustainable way.

Our **VISION** is to nurture the renewable energy industry until it can finally displace the use of dirty fossil fuels.

Ultimately, our goal is to see a world where the next generation finally inherits a cleaner planet.

MP Industries is an innovative project management and development company that focuses on creating long-lasting, environmentally friendly and economically efficient solutions for clean energy and green hydrogen generation.

Born from a passion for innovation and a genuine concern for the future, MP Industries brought together a team of industry specialists with a diverse range of technical backgrounds to help us deliver actionable solutions to hedge against the many global issues plaguing the energy industry.

Maintaining the natural environment, mankind, and technology in perfect harmony is key to our business strategy.

In Partnership with:



# Our Services

As a project manager & developer, we offer a broad range of services to the renewable power industry that span the entire lifecycle of a project.

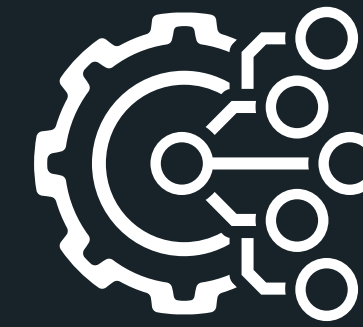
This includes successful implementations of:



Feasibility Studies



Project Planning & Strategy



Structuring & Financing



Project Development



Construction



Management & Operations



Consulting



Existing Project Optimization



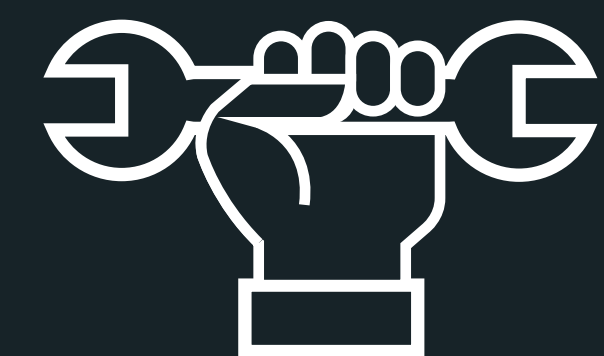
Maintenance



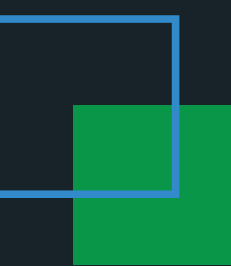
Retrofitting



Re-Purposing



Installation



# Executive Team



Paul Howard  
CIO



Martins Brinins  
CEO



Kaspars Avots  
COO



Paul Hemsley  
CFO



Joost van Doorn  
CITO



Maxim Stevens  
Director of Marketing



Annie Ly  
COO  
Estonia



Maris Kiegelis  
Director of Business  
Development  
Latvia



Valentin Bratkov  
Director of Business  
Development  
Estonia



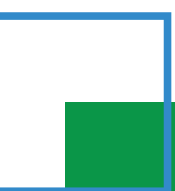
Gabriel Aponte Dao  
Director of Business  
Development  
Spain



Agnese Bloka  
Office Administrator



Trang Truong Thien  
Administrative  
Assistant



# Technical Team



Regnars Grinbaums  
Director of MPI Service  
Head Hydrogen Engineer



Edvīns Bogdāns  
Diagnostics &  
Commissioning  
Engineer



Valdis Bogdāns  
Industrial  
Programming  
Engineer



Raimonds Cimbals  
Project Development  
Engineer

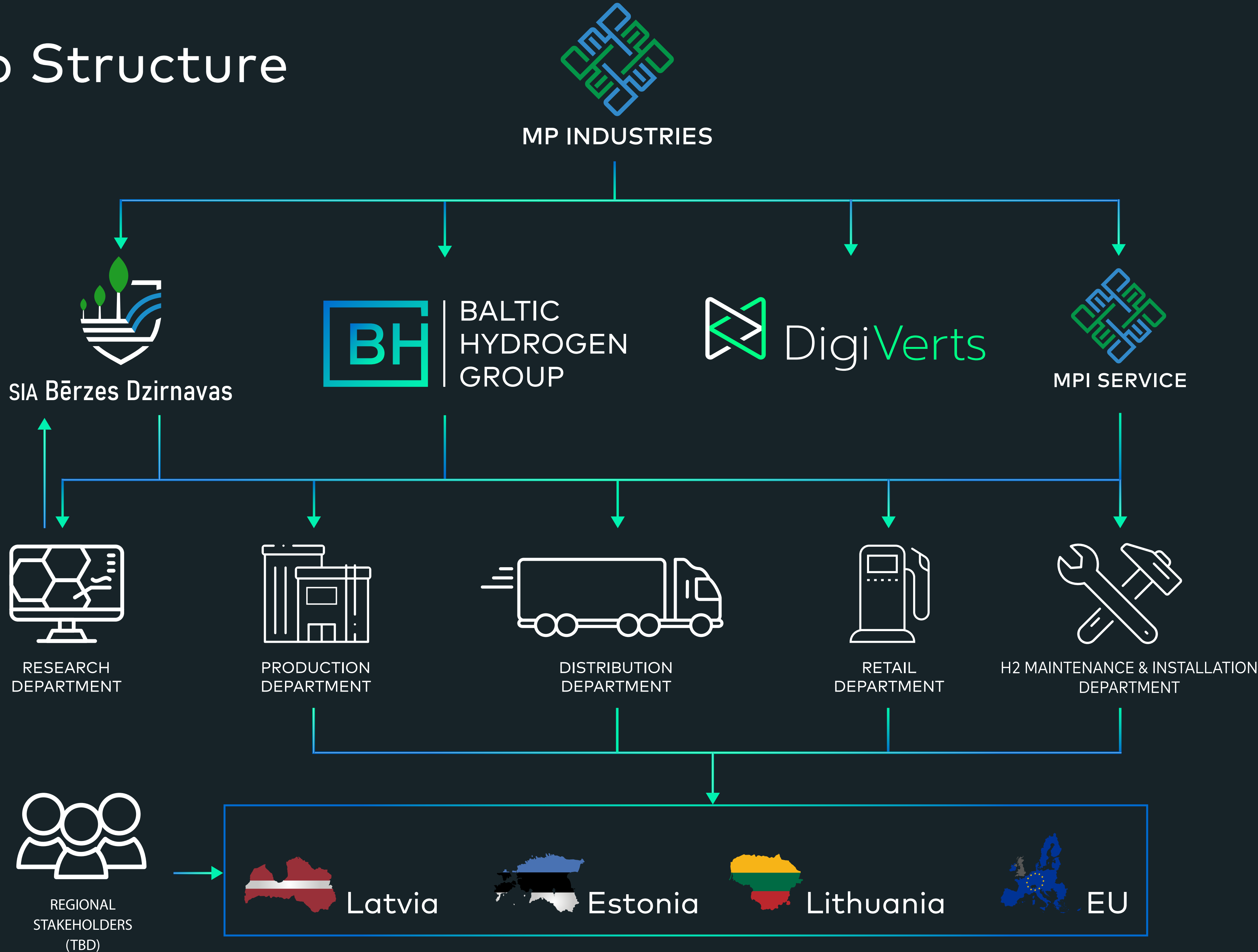


Mārcis Zariņš  
Mechanical  
Engineer





# Group Structure





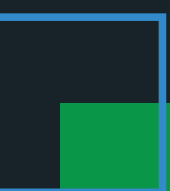
# MPI Service

MPI Service is a specialized division of MP Industries, dedicated to the setup, integration, and maintenance of hydrogen systems.

We support the transition to clean energy by ensuring the reliable and efficient operation of hydrogen infrastructure across various sectors, including maritime, transport, and industry.

## Key Services

- Expert installation and optimization of hydrogen production systems.
- Seamless integration of hydrogen systems with existing infrastructures.
- Comprehensive maintenance and repair services to ensure system reliability.
- Technical Consulting and support throughout the lifecycle of hydrogen projects.





# MPI Service



MPI SERVICE

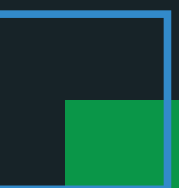
MPI Service spearheaded the development of pioneering hydrogen infrastructure in Sweden and Slovakia, delivering critical projects that laid the foundation for sustainable energy solutions in both countries.



In Uppvidinge, MPI Service established Sweden's first green hydrogen production and refueling plant, setting a new standard for sustainable energy.



In Slovakia, MPI Service was responsible for building EMPARK, the nation's first hydrogen refueling station (HRS), playing a critical role in advancing the region's transition to hydrogen as a clean fuel source.





# Berzes Dzirnavas



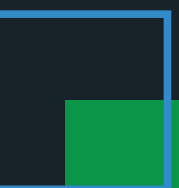
SIA Bērzes Dzirnavas  
[www.berzes-dzirnavas.lv](http://www.berzes-dzirnavas.lv)

The Bērze watermill complex is being developed as our pilot project and future headquarters.

Our goal is to establish the first off-grid ecosystem in the Baltics, leveraging renewable energy to produce clean hydrogen for various applications and research.

Once completed, we will work with universities, government entities and private industry to facilitate and further the technological development of hydrogen related systems.

Ultimately, the site will function as a testbed for new technology and automation to power the coming hydrogen economy.





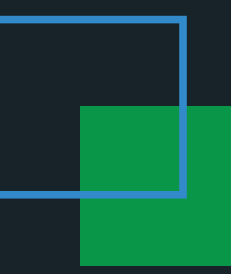
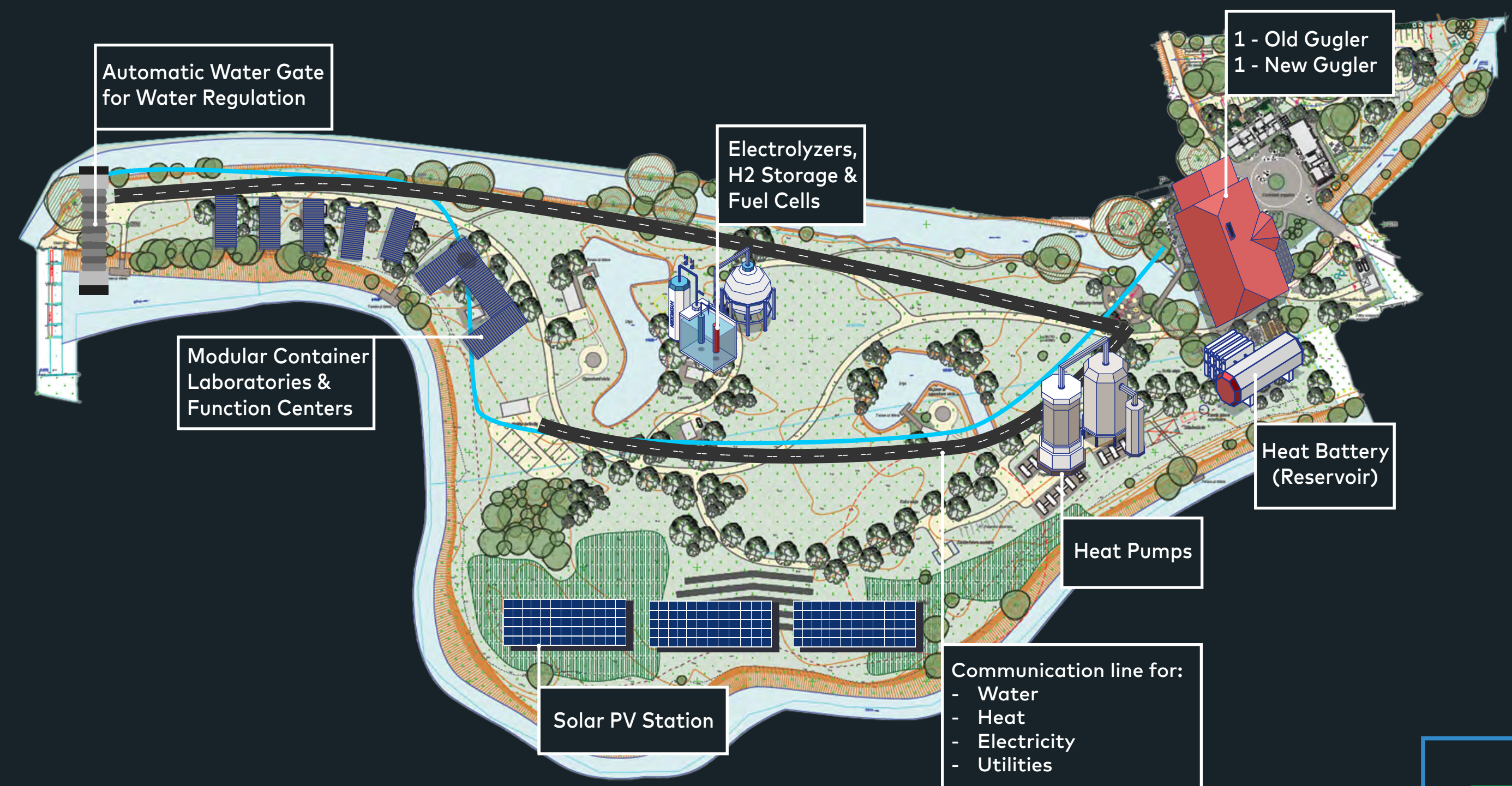
# Areas of Research



SIA Bērzes Dzirnavas  
www.berzes-dzirnavas.lv

Our areas of research include, but are not limited to:

- Test bed for the new high pressure compressor developed at Ventspils University of Applied Sciences: 90% cheaper than analogue alternatives.
- Virtual Power Plant (VPP) implementation - first in Baltics.
- Test bed for Balancing options of Electric grid by using H<sub>2</sub>.
- Formation of a closed electricity grid system: first in Baltics.
- Automated monitoring and adjustment of entire ecosystem.
- Test bed for multi-purpose H<sub>2</sub> UMV (Unmanned Vehicles).
- Research in to H<sub>2</sub> storage through metal hydrides and gas fraction.
- Automated processes and technologies for sustainable farming.





# Baltic Hydrogen Group

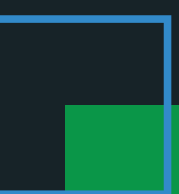


[www.baltichydrogroup.com](http://www.baltichydrogroup.com)

Baltic Hydrogen Group OU (BHG) is the parent organisation of a group of companies operating in the Baltic countries with experience in delivering renewable energy projects.

BHG is focused on the sustainable production, distribution, sale and promotion of green hydrogen as an environmentally friendly, sustainable energy source.

By leveraging our expertise in engineering solutions and our relationships with private and government entities, BHG aims to be the principal partner for those seeking to further the generation and application of hydrogen.



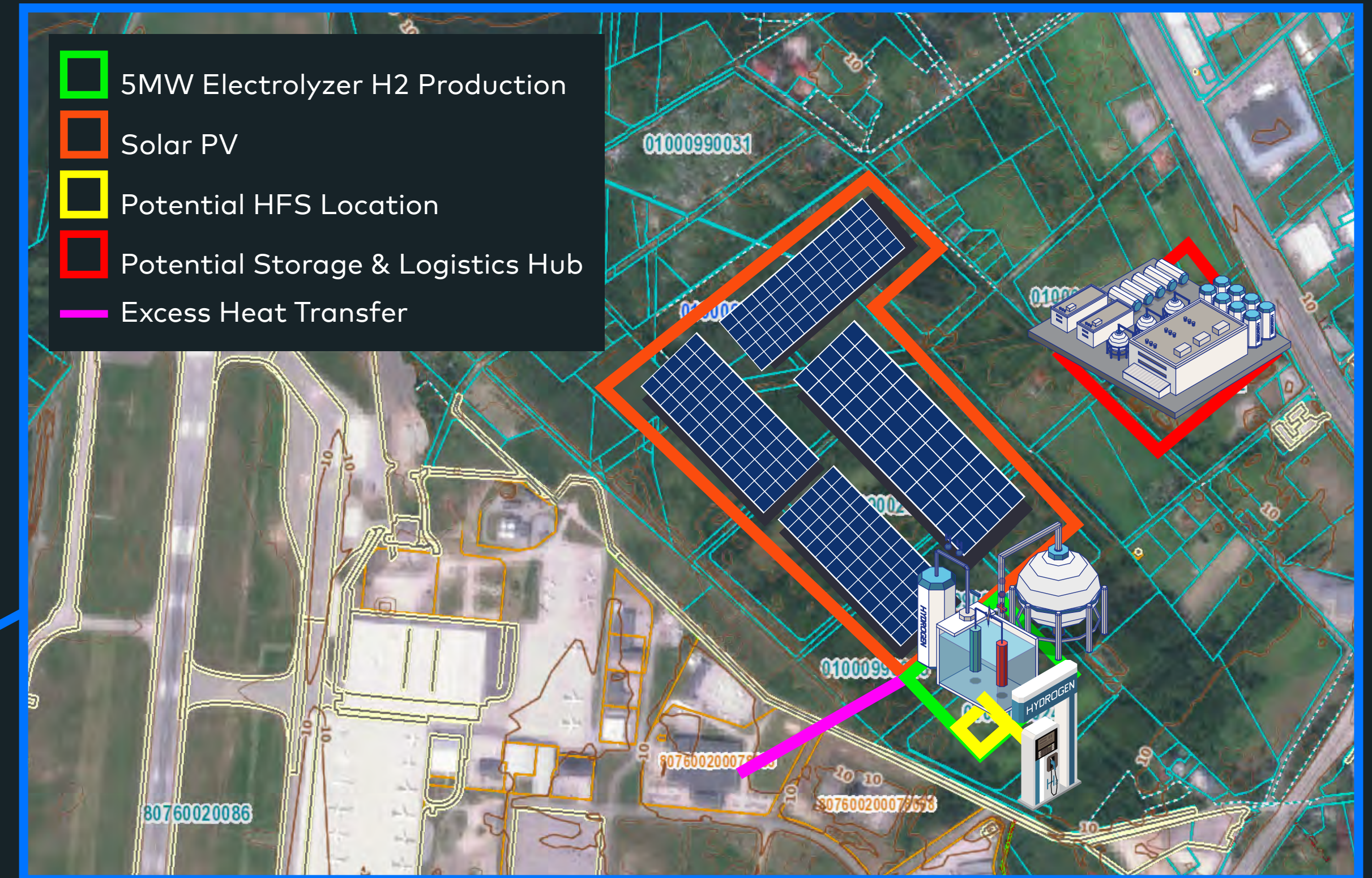


# Riga International Airport Project

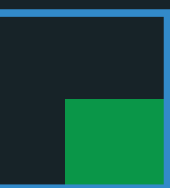
In partnership with Riga International Airport, we aim to establish a sustainable hydrogen production facility to create Synthetic Aviation Fuel (SAF) and provide green hydrogen for local vehicles and applications.

The facility will include a 5MW photovoltaic power plant generating 5,000 MWh annually, with excess power available for the grid. The heat from the electrolyser, capable of producing up to 800 kW/hour, will be utilized.

The electrolyser will primarily run on solar energy but can also use green electricity from the grid.



Additionally, converting airport ground vehicles and machinery to green hydrogen presents a significant opportunity for reducing the carbon footprint and promoting sustainable energy solutions in airport operations. Utilizing excess heat generated during hydrogen production further enhances efficiency and environmental benefits.





# DigiVerts

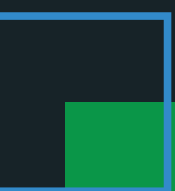


[www.digi-verts.com](http://www.digi-verts.com)

Part of the MP Industries group, DigiVerts is a forward-thinking PR & creative agency based in Portugal that focuses primarily on the renewable energy & sustainability industries to help it's clients develop compelling and engaging narratives and brands, create a strong digital identity and presence & help their ideas and visions reach their target audiences.

## Our Services:

- Branding & Identity Strategy
- Web Development
- SEO
- Marketing Strategy
- Social Media Management
- Graphic Design
- Technical Drawings & Schematics
- Public Relations & Media Co-ordination
- App Development
- ESG Consulting







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