



H2 Setúbal – Green Hydrogen Production

July 2023

Hyperion is one of Portugal's leading Renewables developers

~17%

of connected **solar capacity in Portugal as of 2023 was developed by Hyperion**

1.4 GW

of solar energy **developed in Iberia**

+2.0 GW

of **solid pipeline of solar and other technologies**

+1 B€

of renewable **asset value transacted**

1st

Portuguese green **H2 production project to be supported by EU**



ANTICIPATED
SOLAR



LEADING
IN PORTUGAL



SOLID
PIPELINE
UNTIL 2030

We have always been ahead of the curve: experience on different technologies and remuneration regimes

A CSP Project



- ✓ Development, EPC, Project Finance and sale of 100 MW CSP Helios I & II in Spain
- ✓ In operation since 2012

B CPV Project



- ✓ Development, EPC, Project Finance of 1.5 MW CPV located in Évora
- ✓ In operation since 2017

C 1st PV without FIT



- ✓ Secured the 1st long-term private PPA (AXPO) in Iberia for 25 MW PV plant without Feed In Tariff and with project finance
- ✓ In operation since 2019

D Diversify technology



- ✓ Developing Green Hydrogen projects since 2020
- ✓ Hybridizing PV parks w/ onshore wind
- ✓ Installing batteries in solar PV parks

Upon relevant legal framework of hydrogen, we decided to be first movers and capitalize on our renewable's expertise

Portuguese National Strategy for Hydrogen – Goals for 2030

Portugal intends to become a central playground and industrial hub for the European green hydrogen production. **The abundant renewable resources, existing infrastructure and strategic** location, enable players to produce green hydrogen competitively at a global scale, coupling it to solar and wind technologies



Installed Capacity

2 GW – 2.5 GW of electrolyzers to be installed



Total Investment and National and European Support

7.000 M€ of total investment in H2 production projects



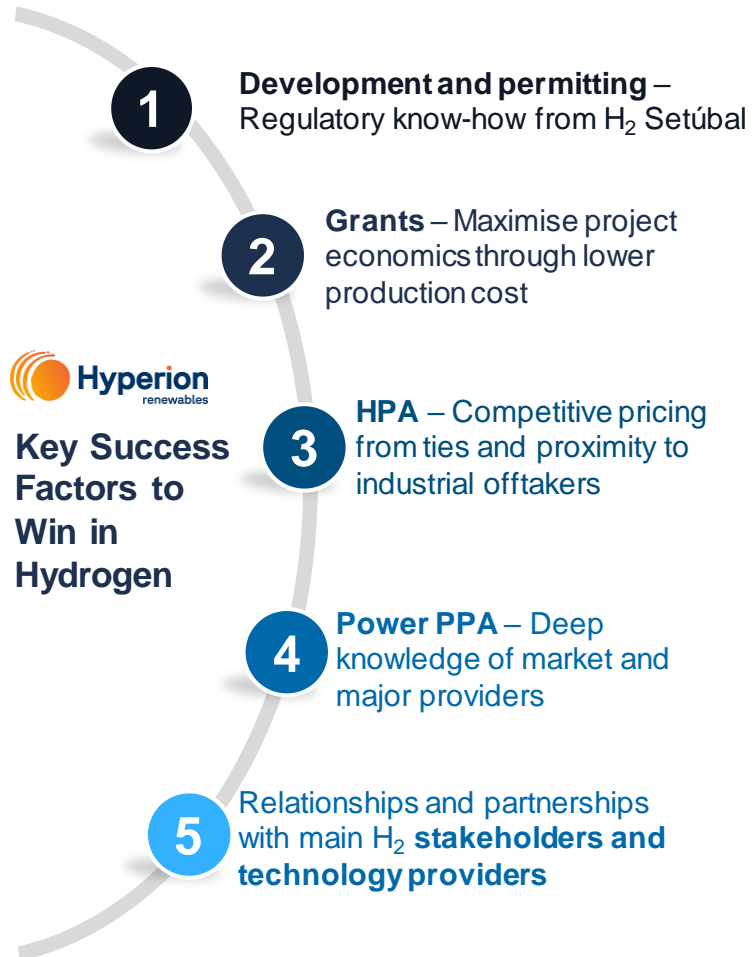
Green Hydrogen Deployment

Introduction on NGDG (15%), mobility (5%), industry (5%) and total energy consumption (5%)

Stable regulatory framework

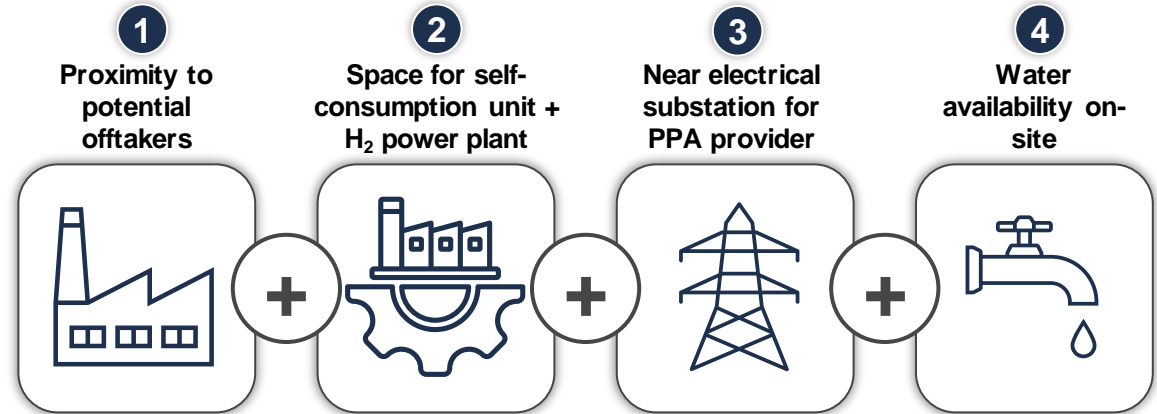
- Legislation published since 2020 enabling the production of green hydrogen (DI 62/2020)
- In January 2023 it was published an auction for a centralized buying of hydrogen by the government

Hyperion's green H2 strategy is based on identifying projects that meet four key criteria

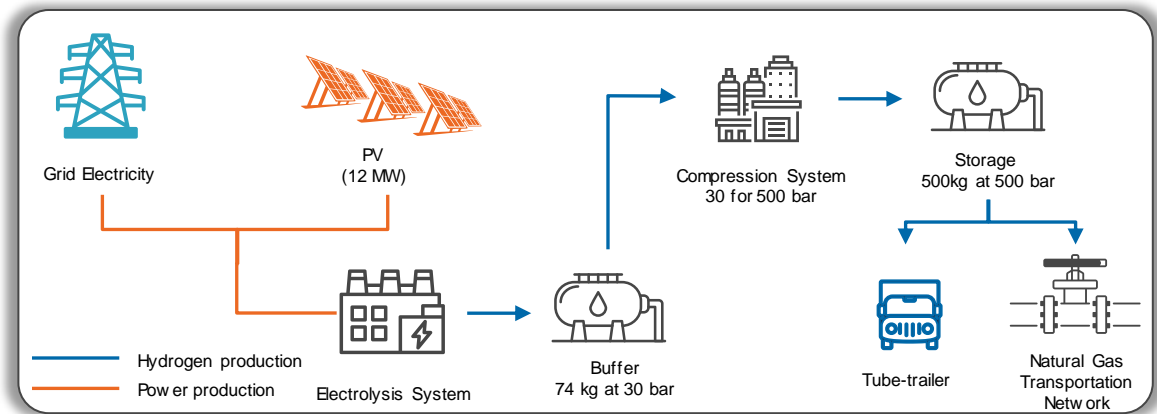


 **Key Success Factors to Win in Hydrogen**

Strategic Location is the Key Success Factor for the H2 Projects

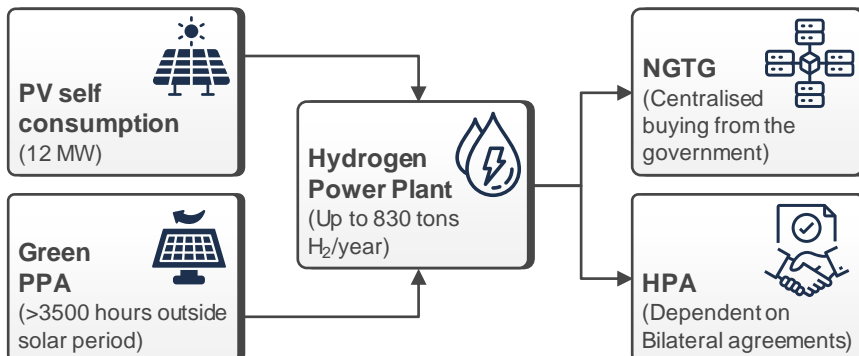
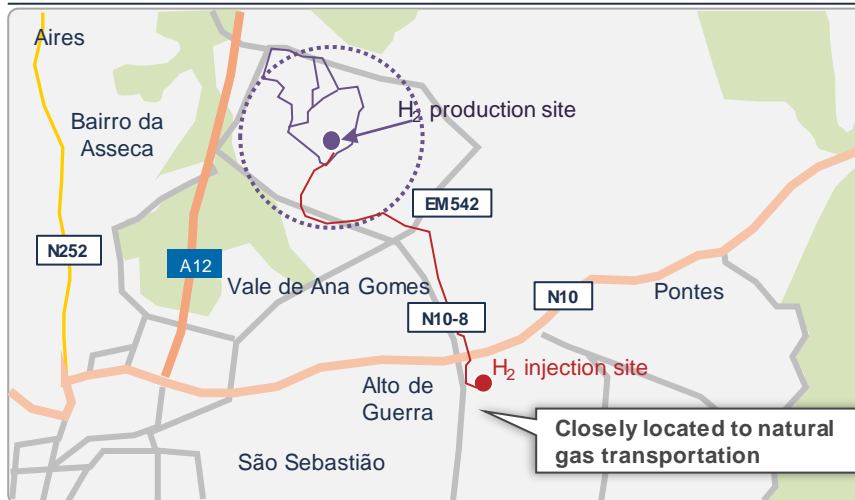


Project Configuration (example for H2 Setúbal)



With the H2 Setúbal project, Hyperion is on track to be among the first green H2 producers in Portugal

H2 Setúbal – Hyperion’s Pioneer Project



Major Milestones



- **First EU-subsidised green H₂ project** in Portugal
- **€5 m** granted under POSEUR program, currently **re-applying for PRR funds**



- Gone through the **Project Development Assistance** by the European Commission



- **Public EPC tender** for turnkey solution launched in March 2022. Pre-selection awarded to consortium led by H2B2



- H₂ production facility with **all permits in place**



- **Received HPA proposal** from potential offtake and negotiations on-going with several others



- **PPA negotiations** with major energy companies under different schemes with flexibility or baseload profiles

Thank you.

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