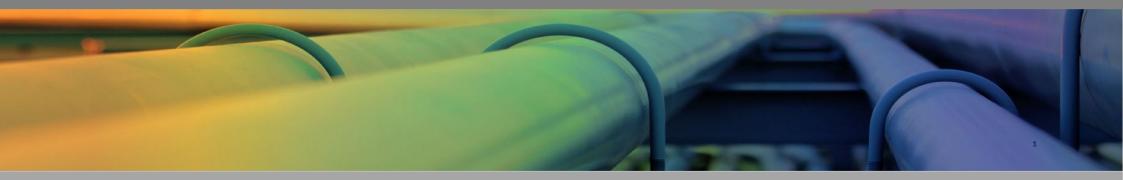


HyDeal España Presentation

March 2022



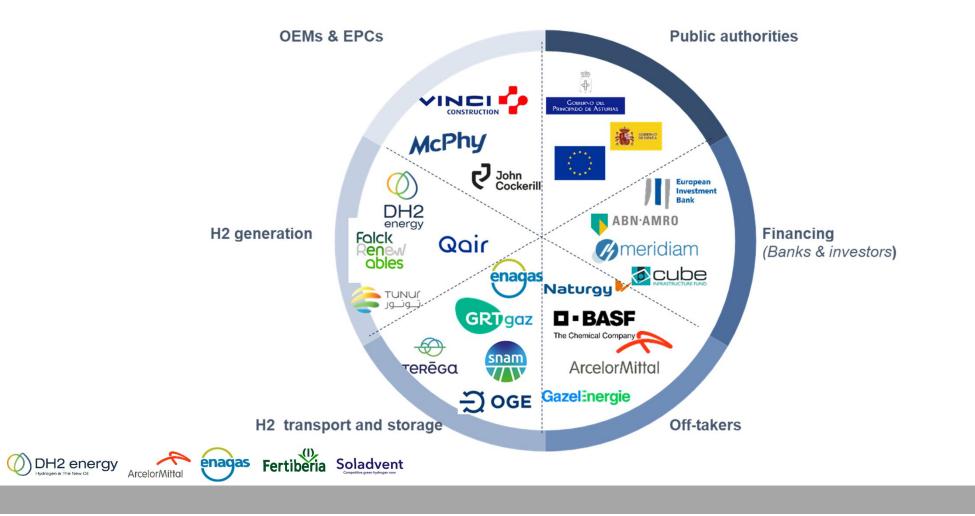
HyDeal Ambition: ranked by IRENA as world's largest green hydrogen project

	HyDeal Ambition (67GW) Western Europe
2	Unnamed (30GW) Kazakhstan
3	Western Green Energy Hub (28GW) Australia
4	AMAN (16GW) ^a ······Aauritania
5	Asian Renewable Energy Hub (14GW) Australia
6	Oman Green Energy Hub (14GW) ^a ······Oman
7	AquaVentus (10GW)Germany
8	NortH2 (10GW)Netherlands
9	H2 Magallanes (8GW) Chile
10	Beijing Jingneng (5GW) China
11	Project Nour (5GW) ^a ······
12	HyEnergy Zero Carbon Hydrogen (4GW) ^a . Australia
13	Pacific solar Hydrogen (3.6GW) Australia
14	Green Marlin (3.2GW) Ireland
15	H2-Hub Gladstone (3GW) Australia
16	Moolawatana Renewable Hydrogen Project (3GW) ^a - Austra
17	Murchison Renewable Hydrogen Project (3GW) - Australia
18	Unnamed (3GW) Namibia
19	Base One (2GW) ^a ······Brazil
20	Helios green Fuels Project (2GW) Saudi Arabia





HyDeal Ambition: total vertical integration of green hydrogen value chain



Total ressource: 1% of Europe's energy demand in 2030 from just 0.02% of its area



HyDeal España Project: A pioneering at-scale green H2 supply system in Europe, leveraging highly competitive renewable (RES) solar sources in Spain, to decarbonize Asturias' industrial base while bringing cost advantage – Vision by 2030

2

3

ArcelorMitte

enadas

DH2 energy

Supply of ~200kt to ~330kt* of low-cost green H2 by 2025 to 2030 to Asturias industrial players, with ArcelorMittal and Fertiberia as a key first off-takers supporting project

- development Integrated H2 system ("hub") approach, developing Up., Mid. and Downstream at the same time...
- ... allowing to develop large scale off-site green H2 generation plants, capturing the best cost production conditions...
- ... while bringing bankability to all project's assets

H2 demand aggregation logic into a single "portfolio" of large industrial off-takers...

- ... unlocking scale potential and sharing effects on midstream cost
- ... mixing demand profiles to optimize system costs of supply
- ... allowing series effects on H2 plants building and learning curve
- ... Reducing the off-take and supply risk

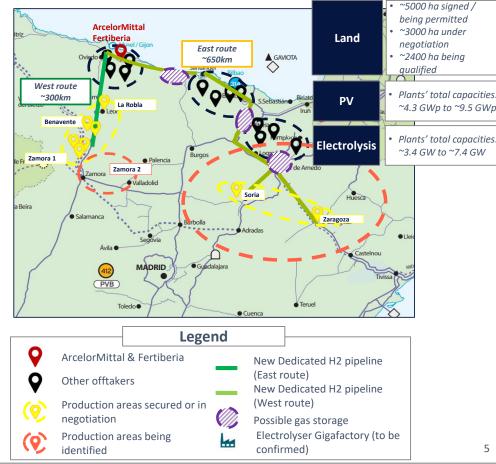
Fertiberia

Captive solar to gas H2 generation plants, injecting into dedicated H2 transmission lines

- Among the most competitive green H2 generation sources in Europe**
 - Direct impact on Off-takers "scope 1" and CO2 costs

So

*) Possibility to expand system development until 450kt with additional off-takes aggregation and system expansion **) For electrolysis installed costs < 400€ / Kw



HyDeal España project's setup and scale allow to activate the key optimization levers to target a competitive green H2 versus Natural Gas + CO2 costs

Solar PV

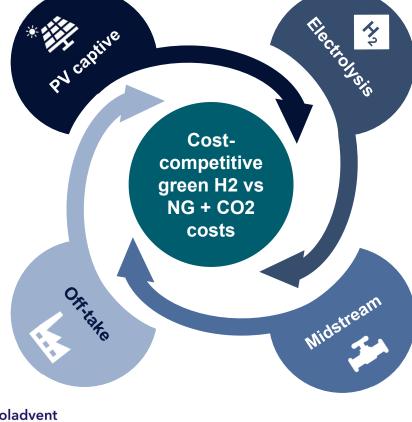
- Cheapest RES energy for green H2 production as long as electrolysis platforms are < 400€ / KW (preference for low-cost RES energies vs long load factors)
- Utility scale projects (0.5 1 GW), enabling cost reduction (optimized procurement & construction costs, sharing effects at BOP level...)
- Captive production with solar power supplied at LCOE level + internal connexion costs without paying grid fees

Off-take

DH2 energy

- Proximity to an offtake basin with large H2
 needs allowing a portfolio effect
- Off-takers with long term contracts allowing to guarantee the bankability of the project and optimize WACC
- Supply of H2 on site impacting CO2 'scope 1' emissions (no blending with NG)

Arcelor/Mittal enages Fertiberia Soladvent



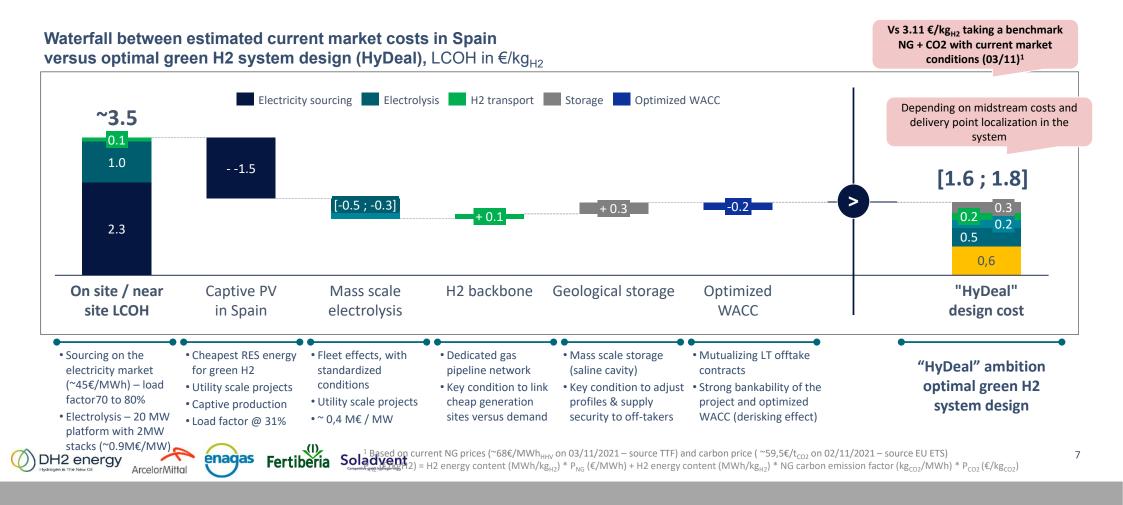
Electrolysis

- 30 bar pressurized alkalyne technology as most competitive solution in CAPEX on the mid-term allowing load following
- Utility scale projects, enabling to leverage key cost reduction levers (gigafactory, industrialized design, mutualization cost effects on BOP...)
- Discussion of sourcing contracts on a fleet of permitted projects, with standardized conditions, to allow to optimize sourcing conditions of electrolyzers and learning effects on erection

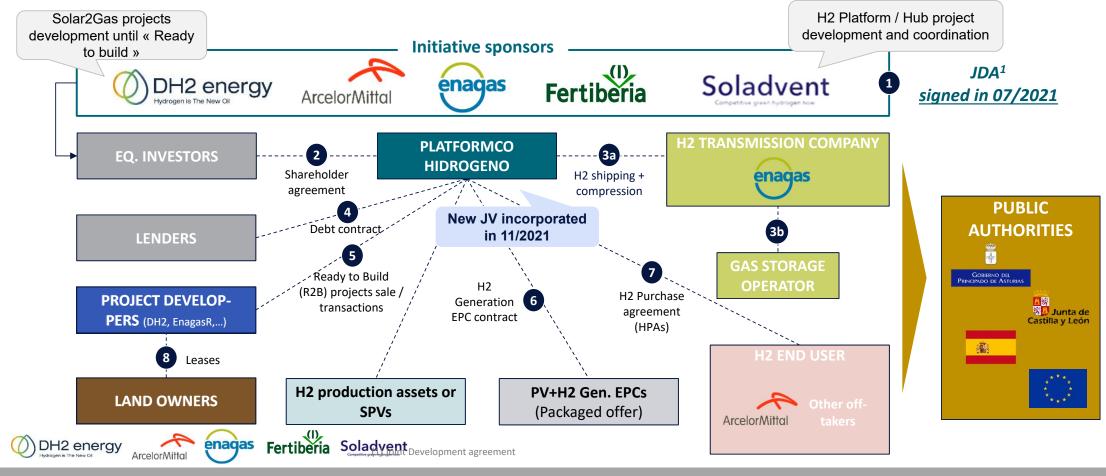
Midstream

- Dedicated gas pipeline network to supply H2 as cheapest conditioning and transport solution (vs. chemical carrier, ...) and key conditions to link cheap generation sites versus demand
- Mass scale storage (saline cavity) as most competitive solution to allow profiles transformation and supply security to offtakers

Total cost reduction with optimal green H2 system design



Project's sponsors have established a **Joint Development Company (PlatformCo)** to address the project's specificities (development of a "H2 system"), while bringing solid required industrial competencies



A 5-year industrial plan, from design to build, entering its 'pre-launch' phase which should last 9 to 10 months until end June 2022

