

Green H_2 Iberdrola

Delivering Green
Ammonia

August 2021



Market capitalisation of c.70,000 M Eur

One of the top-3 largest utilities in the world

Financial Data¹ (M Eur)

Assets	~129,000
EBITDA	~ 10,000
Net Profit	~3,500
Net Debt	41,000

Global leader in renewables with over **35,000 MW** installed and a plan to increase this to **60,000 MW** in 2025 by investing a further €75 Bn

Serving a population over 100 million people around the world

Record annual investments of 10,000 M Eur for the period 2020-2022
in renewable energy, smart networks and storage



Growing Expansion

United States

- 3rd wind company
- Power and gas distributor in NY, Maine, Connecticut, Massachusetts, Texas and New Mexico

Mexico

- 2nd generator
- 1st private power producer

Brazil

- Largest distributor by number of customers
- Presence in 16 states

United Kingdom

- 1st wind power producer
- 3rd networks company

Eurozone

- #2 largest utility by market cap.
- 1st wind power producer

Australia

- +1,000 MW of owned and contracted capacity
- 317 MW under construction
- Pipeline: over 2,000 MW

South Africa

- Project pipeline of 1,000 MW

Iberdrola Australia – building Australia’s secure clean energy pathway



The strategy dimensions are designed to give our customers reliable, clean and competitively priced electricity

The next step is Green H2

We generate and source renewable energy

1,000MW*
energy
fleet +
contracted
output



Operating our owned assets and purchasing renewable energy from third parties under long term PPA's for the supply of energy at scale to various commercial enterprises and utilities.

* Additional 317MW under construction



We add value by firming

4 firming
assets



Iberdrola Australia's strategy of using fast-start generators (batteries, and others) to firm low-cost renewables is the future of the National Electricity Market. Assets are well positioned to accommodate for intermittency.



We have solutions for customers

Tailored
Products



A strong uptake of multi-product offers as carbon neutral offerings are becoming more important. A high-performance organisational culture for delivery and success of the business strategy.



We are 'the utility of the future'

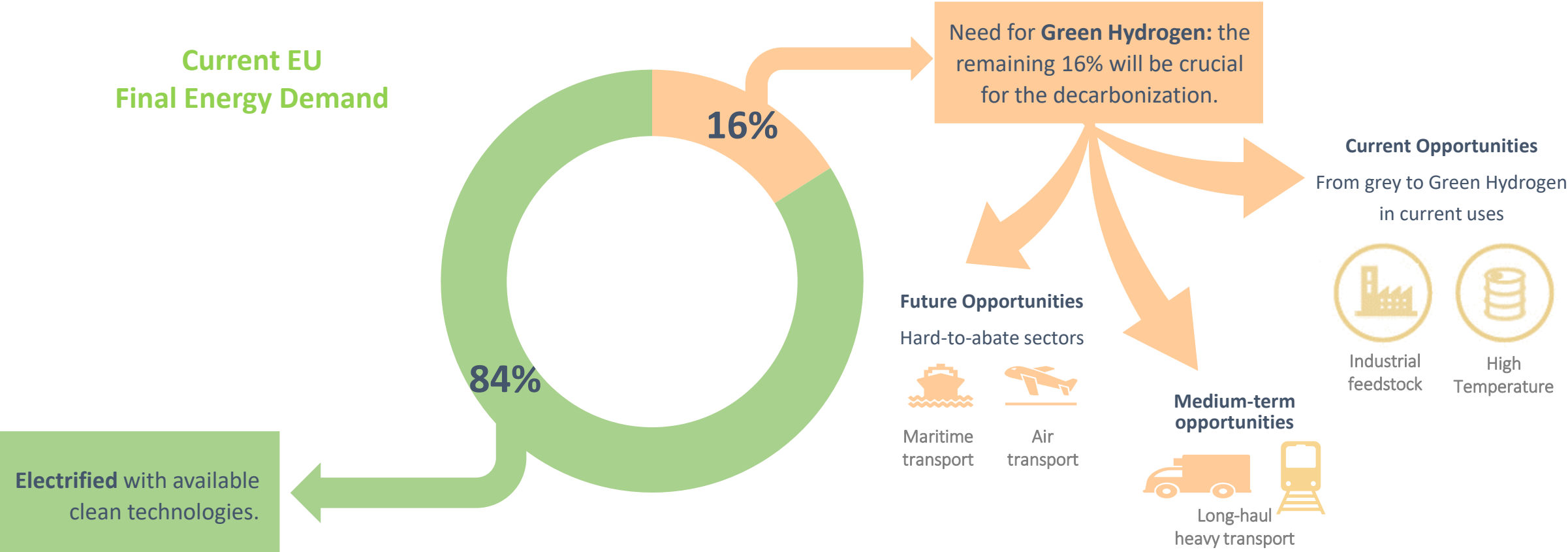
Low-cost
clean
energy



Implementation provides C&I customers with economic firm supplies of clean energy while facilitating decarbonisation.

Confidential

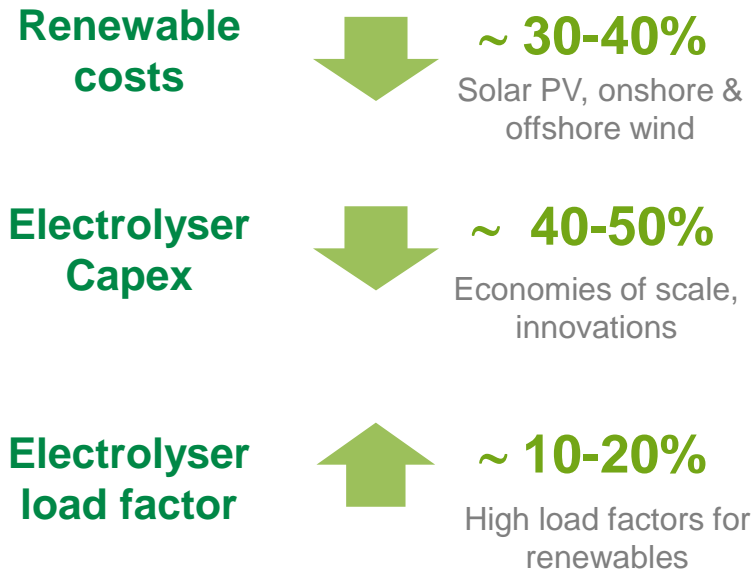
Key to Decarbonise Industrial Uses and Hard-to-Abate Sectors



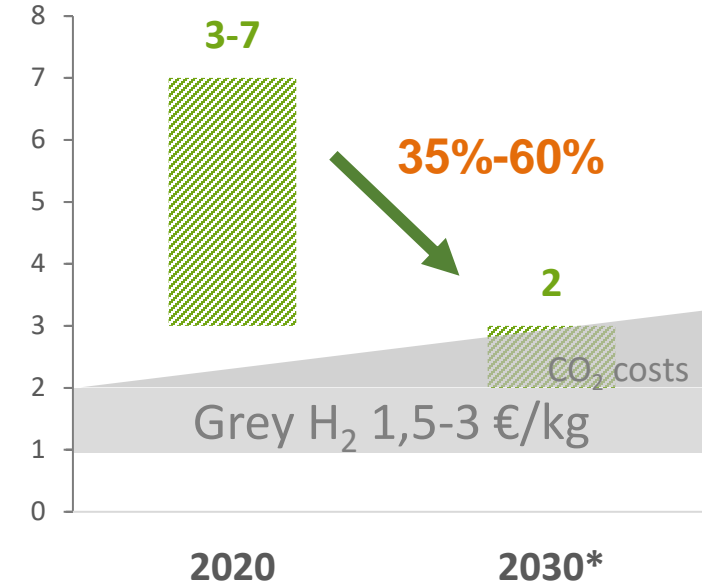
Green H2 production cost vs Grey H2



Green H2 cost reduction (Horizon 2030)



Costs range in the green H₂ production, €/kg

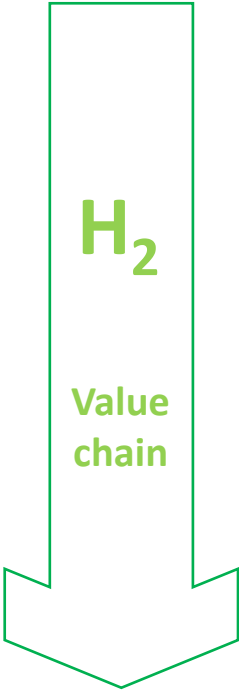


* Bloomberg NEF Forecast

Before 2030 green H2 can be competitive with grey H2. But it needs volume: **Industrial raw material**

Development of Hydrogen Value Chain

A New Growth Opportunity for Iberdrola



Increase the share of renewable energy demand for industrial use



Supporting the creation of new manufacturers of electrolyzers



Industrial alliances with top companies and institutions



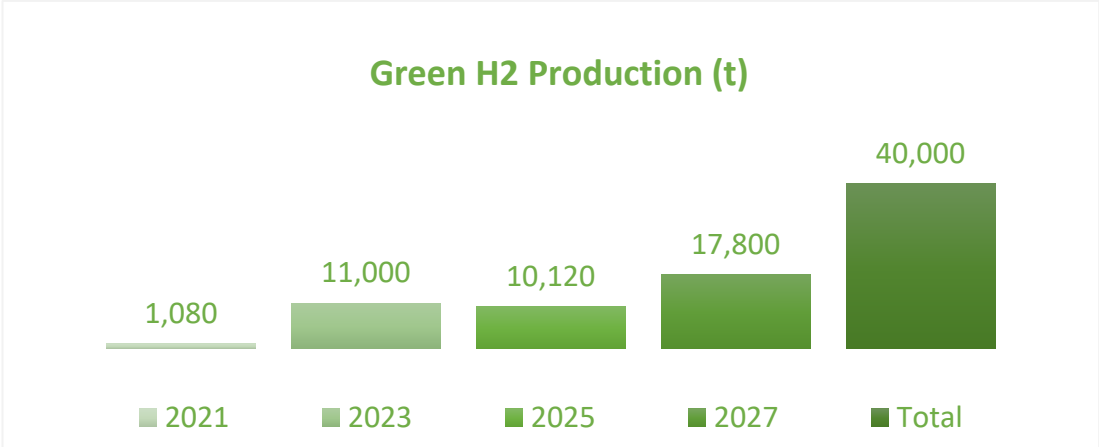
ALLIANCE WITH Fertiberia
for green ammonia production

Plan in 4 phases between 2021 and 2027
in Puertollano (Ciudad Real) and Palos de la Frontera (Huelva)

Total investment close to 1.800 M€ and creation of more than 3.600 local jobs

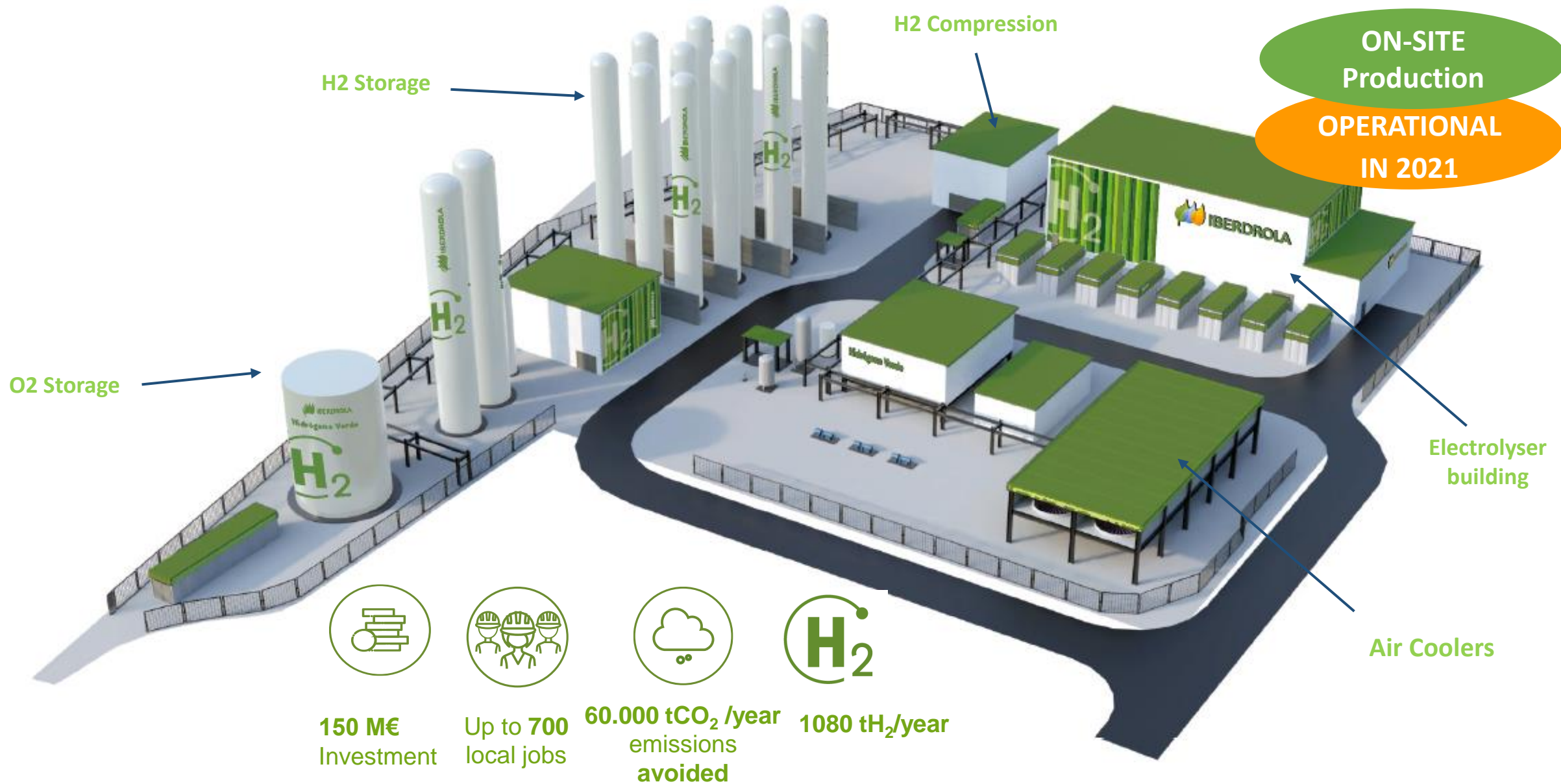
> 800 MW in electrolyzers and 1.300 MW photovoltaic capacity for supply

- Shared decarbonisation objective
- Grey H2 produced from Natural Gas replaced by high purity **Green hydrogen**
- Fertiberia to be positioned as leader on **Green Fertilisers** produced from Green H2
- Opportunity for green ammonia as a **Green H2 Carrier**



	Puertollano I	Palos I	Puertollano II	Palos II	TOTAL
Electrolyzers MW	20	229	211	371	831
Solar PV MW	35	401	326	573	1,335

Fertiberia Project – 1º Phase. 3D Model



Green H_2

Thank-you

