



Building reality to boost Green H2 & Derivatives

New Orleans, November 12th, 2024








Iberdrola - A Global leader on Renewable Hydrogen

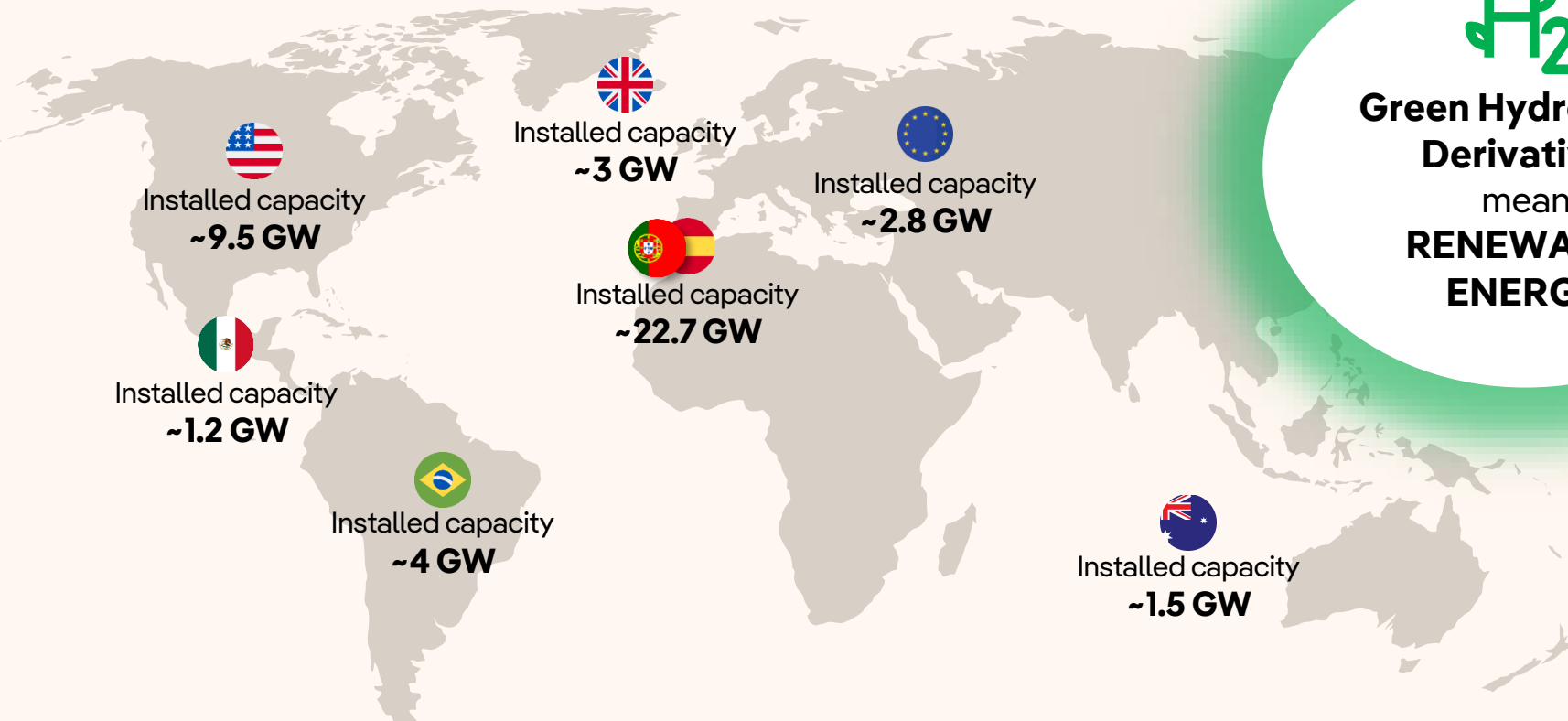


Largest utility in EU by market cap - €90Bn

€49 Bn in Revenues and €14.4 Bn Ebitda in 2023

1st Mover in Green H2 with REAL plants

	Onshore Wind 21 GW
	Solar PV 7.5 GW
	Offshore 2.4 GW
	Hydro 13.3 GW
	Batteries 0.2 GW



H₂
Green Hydrogen & Derivatives
mean
RENEWABLE ENERGY

 **+44 GW installed capacity, 51 GW in 2026 and 80 GW by 2030**

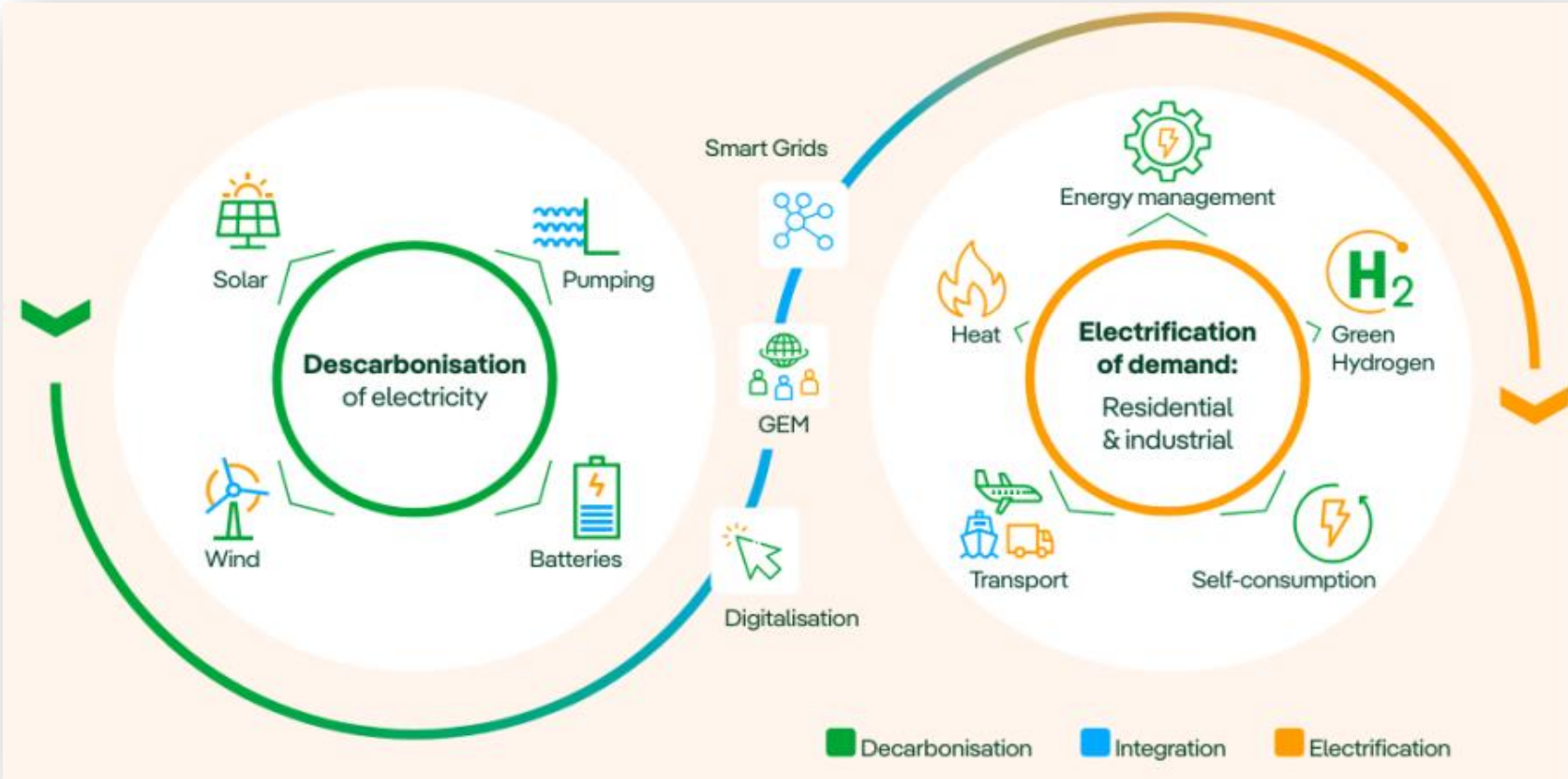
81% emissions free installed capacity

Vast portfolio with complementary generation technologies

Well-positioned to develop the H2 and derivatives business globally

Working on 40 green H2 projects worldwide at different stages of development

Iberdrola as THE decarbonization partner



Iberdrola is already operating two Green H2 plants...

Puertollano Green H2 Plant - EU's 2nd largest electrolyzer in operation



20 MW Green H2 plant in Puertollano

- Operating since 2023
- PEM ELY from NEL
- Capacity: 3,000 tpa for fertilizer's industry
- H2 plant connected to a 100 MW solar PV
- €150M total investment
- Part of an 800 MW IPCEI project

IPCEI

Important Projects of
Common European
Interest



1st green H2 mobility project in Spain



2.5 MW H2 station in Barcelona

- Operating since 2022
- PEM ELY from Cummins
- Capacity: 400 tpa for buses
- 44 buses charged every day
- 2nd phase - 5 MW



Iberdrola has been mastering the optimal supply of electricity for RFNBO H2 since 2022

...And four more to come online in 2025



Castellón Green H2

bp



Iberdrola & bp have formed a 50:50 joint venture in Spain to develop a 25 MW Green Hydrogen project

- Location: bp's refinery Castellón
- 25 MW electrolyzer (Plug Power)
- Renewable power: 200 GWh/year
- **FID taken (July 2024)**
- COD Q1 2026
- **Next phases + 100 MW**



Ad-hoc projects onsite Decarbonization of local industries



- Green H2 for fragrances
- Location: Benicarló
- 1.25 MW ELY (Cummins)
- **Under construction**
- COD Q1 2025



Green H2 in Scotland Decarbonization of local industries

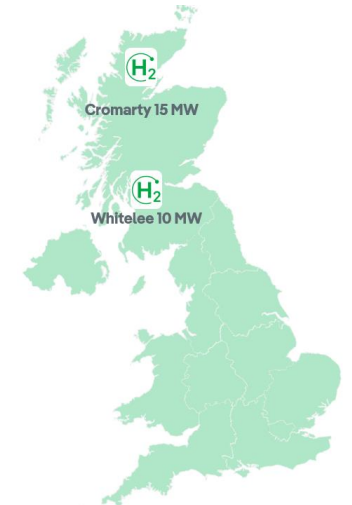


Cromarty

- Location: north of Inverness
- 15 MW electrolyzer
- COD 2026

Whitelee

- Location: south of Glasgow
- 10 MW electrolyzer
- COD 2026



After building reality in H2, derivatives are the next step

Large projects, close to FID



Palos/PLL II - **230 MW**
IPCEI - 242 M€

E-Methanol - **150 MW**
Innovation Fund- 123 M€

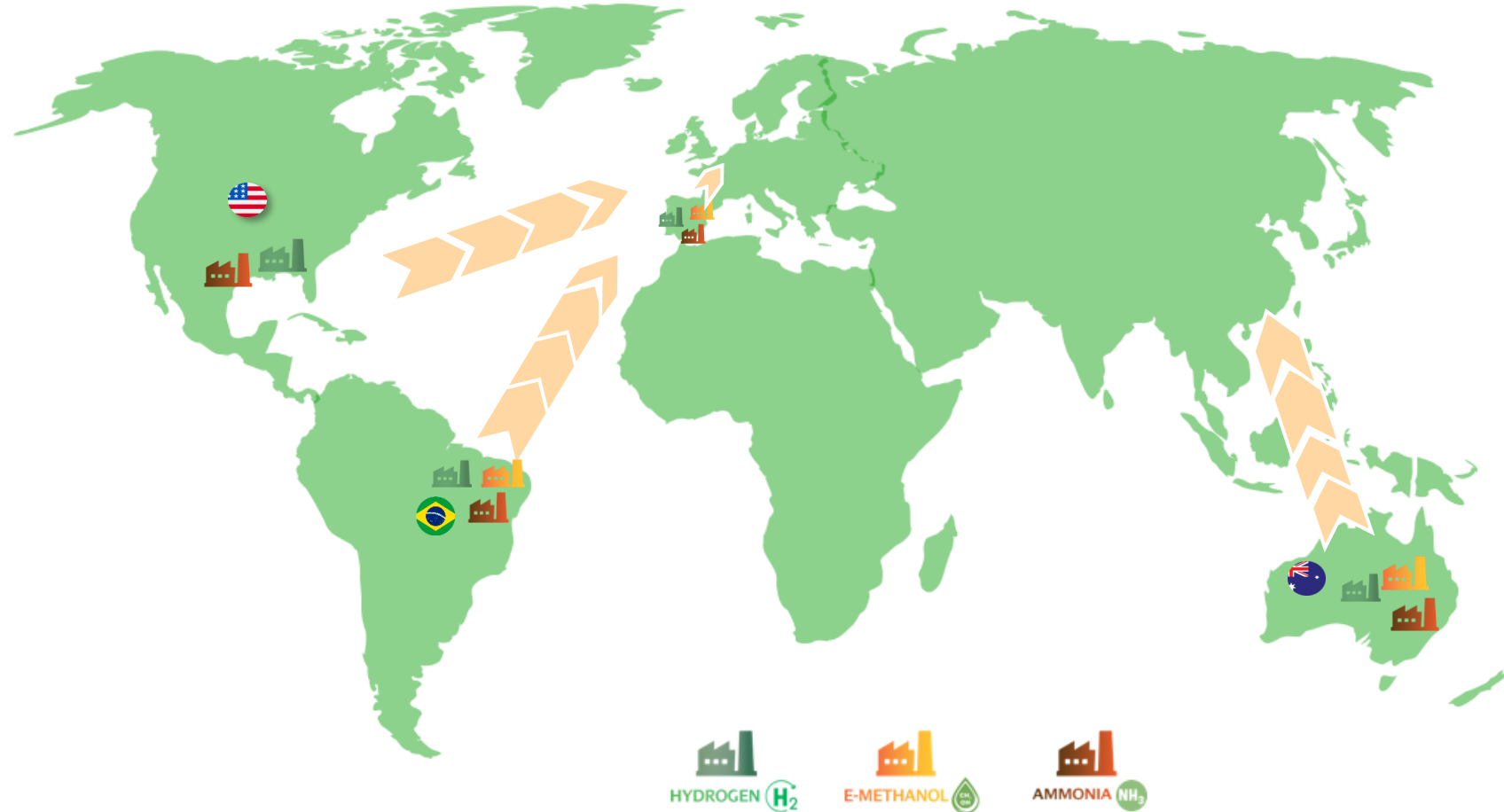
IBE/bp Phase II - **100 MW**
Spanish subsidies

Derivatives under development



Green Ammonia - **500 MW**
Iberia, Australia, Brazil, US

E-Methanol - **400 MW**
Iberia, Brazil



Gaining scale: from onsite projects to the World - green ammonia & e-methanol



Thank you!

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Puertollano 20 MW Green H2 Plant