

A background image featuring a complex molecular structure with several large, translucent green spheres connected by thin, metallic-looking rods. The spheres are arranged in a way that suggests a chemical or biological structure, possibly representing a protein or a specific molecule. The overall color palette is dominated by shades of green and blue, with a bright, glowing effect in the center.

Dii Desert Energy Partners' Meeting

Introduction to Deme Group – Green Hydrogen

- ▶ **10 November 2021**
- ▶ **Herbert Jost**



DEME Group

Activity Lines

DREDGING



OFFSHORE



ENVIRONMENTAL



INFRA



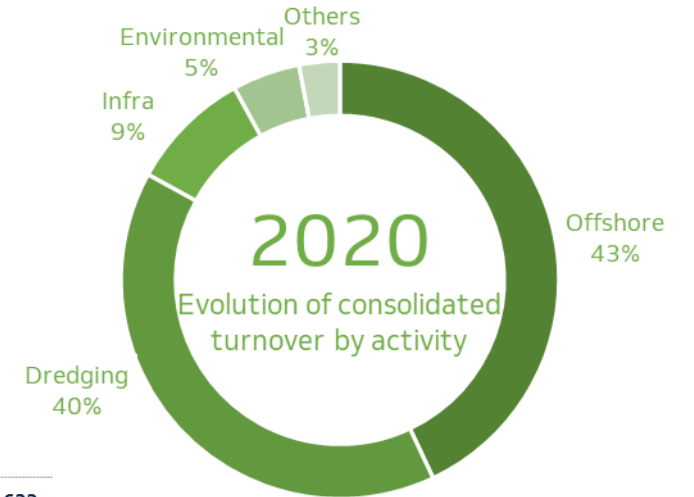
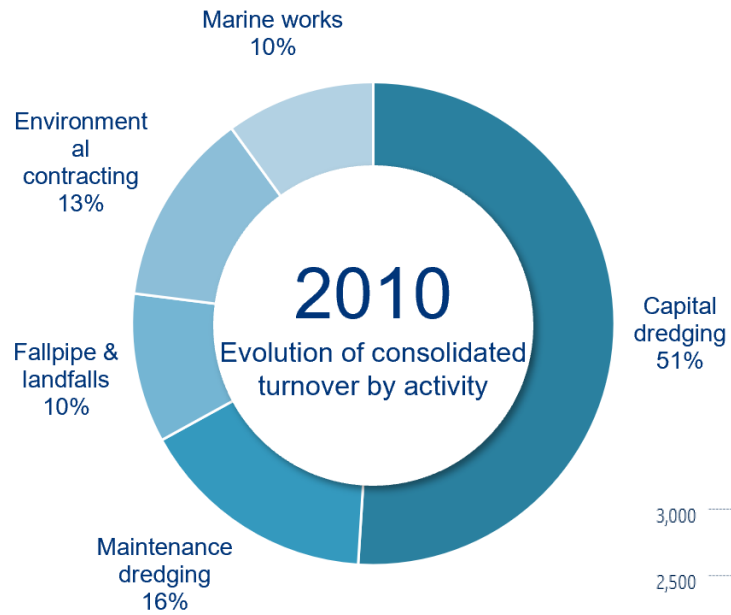
DEME CONCESSIONS

GSR

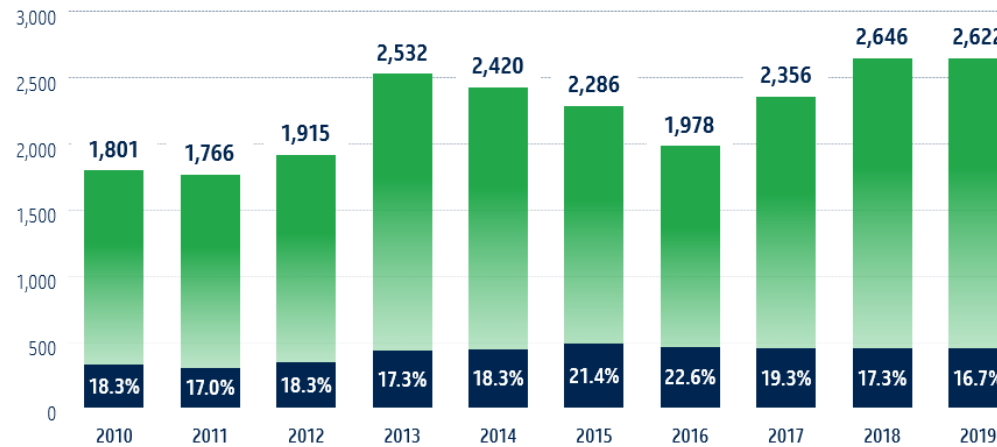


DEME Group

From Dredging to Marine Solutions provider



Consolidated turnover and EBITDA

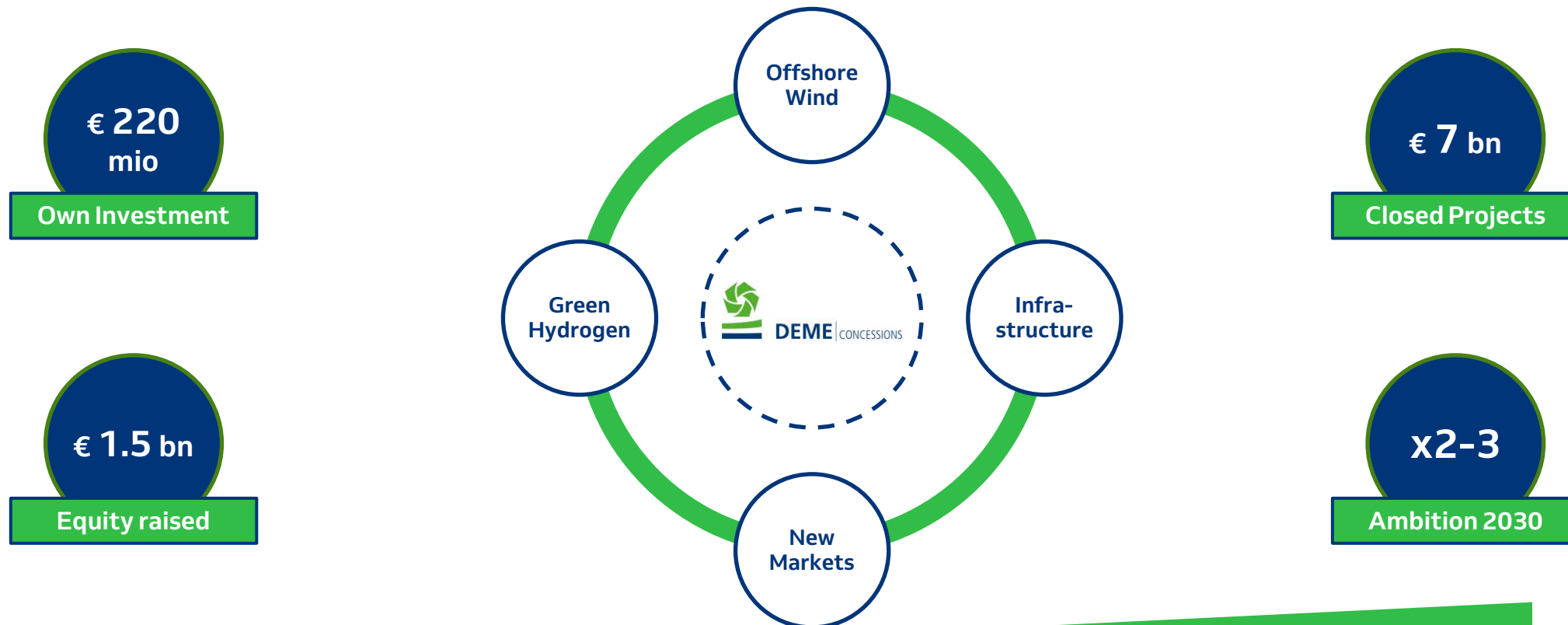


DEME Concessions

Mission & Sectors

DEME Concessions is the development and global investment firm of the DEME Group.

We advocate **early involvement** in the development process and a **sincere partnering philosophy** throughout all project phases to achieve successful project delivery.



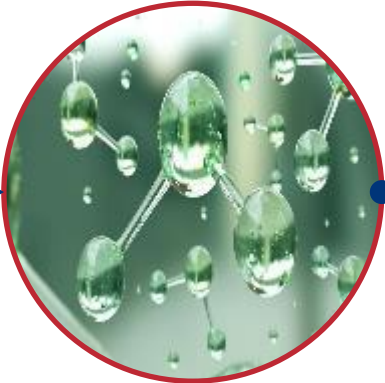
The HYPORT® Concept

Integrating the strengths of DEME and reward additionality

► Philosophy:



Transform the best available **renewable electricity** (from Solar PV, Onshore and/or Offshore Wind farms)...



...into **Hydrogen** via Electrolysis...



...for **Port-to-Port** Export.

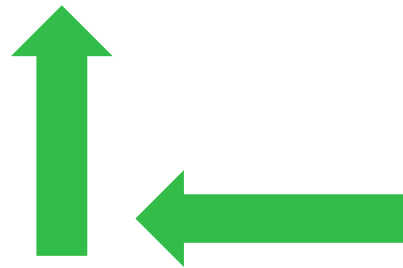
► Additionality to DEME EPC



- Offshore Wind Market Leader
- Marine Operator



Spotlight Deme Green H2 Projects



HYPOR Duqm



HYPOR Egypt

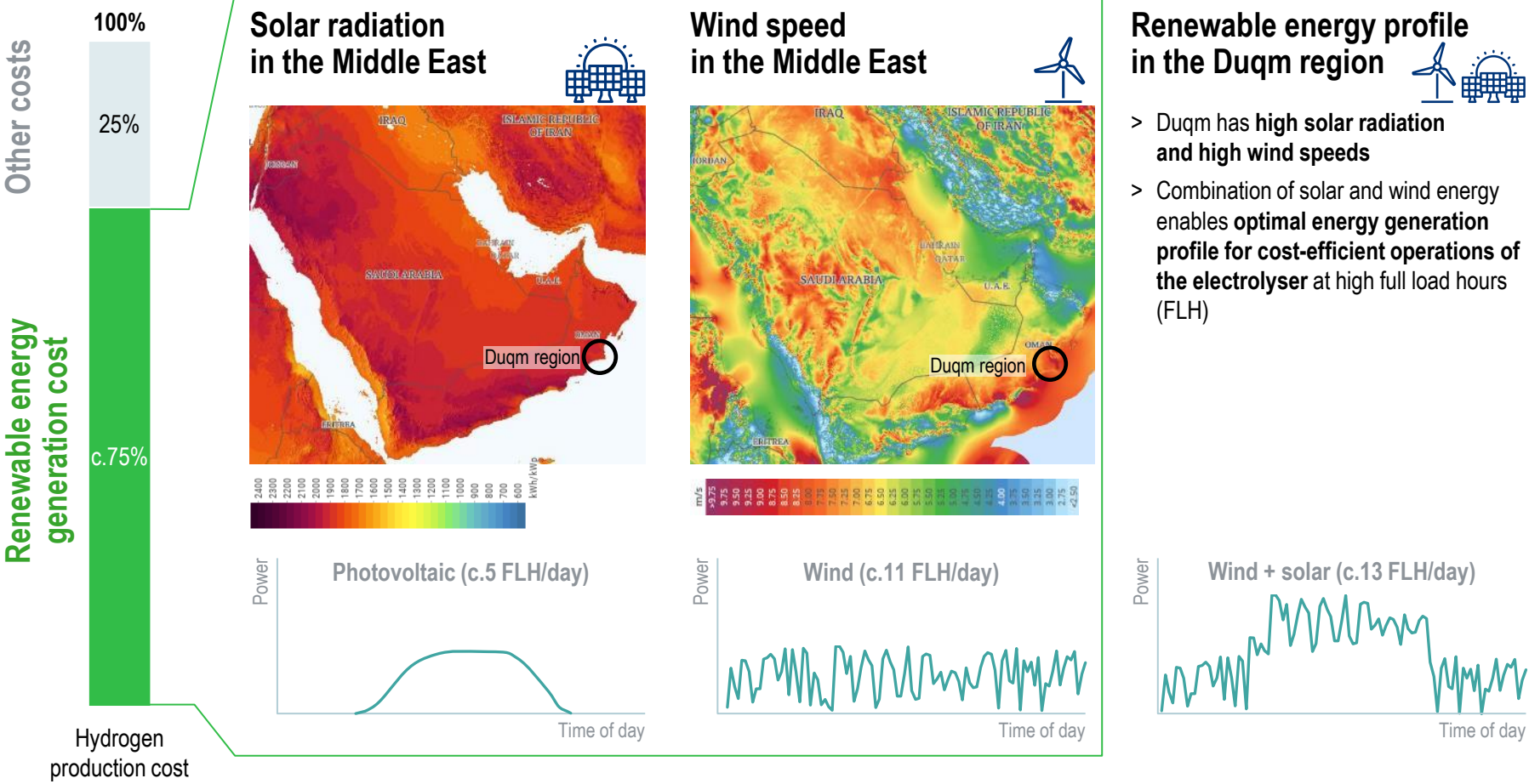


HYPOR Ostend Belgium



Duqm region is ideally located given combination of solar & wind

Green energy generation accounts for c.75% of H₂ production cost



Source: Global Solar Atlas, Global Wind Atlas, Roland Berger





50 km transmission lines

- Electrolysis
- H₂ compression
- Ammonia synthesis
- Ammonia storage + export



Seawater intake
2000 m³/day

NH₃



uni per

Offtake to EU / Asia receiving ports, with potential reconversion to H₂



150 km² of renewable generation site

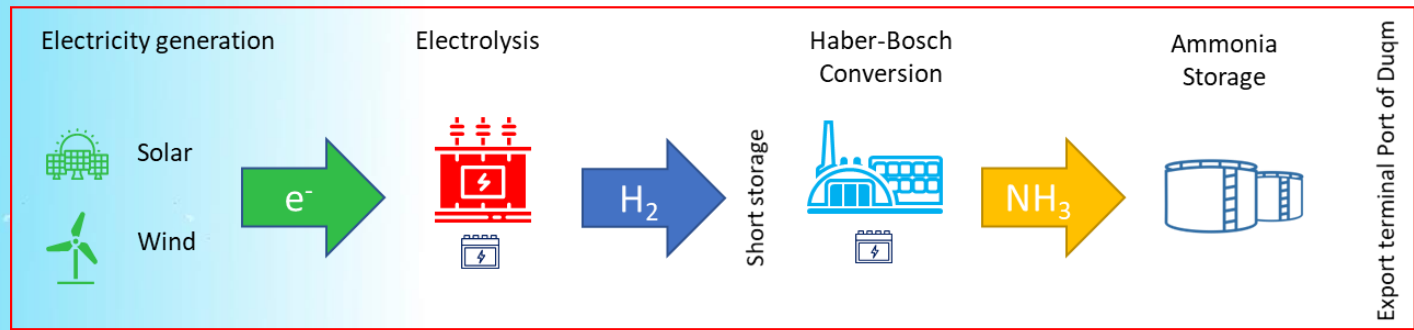
HYPORT® Duqm, Phase 1

Utility-scale green ammonia plant



Electrolyzer	500 MW
Full Load Hours	5800 hrs/yr
Onshore windpark	620 MW
Solar PV park	690 MW
Green H ₂	59,000 mt/yr
Green NH ₃	332,000 mt/yr

- Optimal sun & wind conditions
- Existing export facilities
- Land availability in SEZAD



= size of combined area of Port of Antwerp Bruges



THANK YOU

