

# Wave power. To power the planet.

All Energy 2023 – How do we get policy makers support wave energy?

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# CorPower Ocean

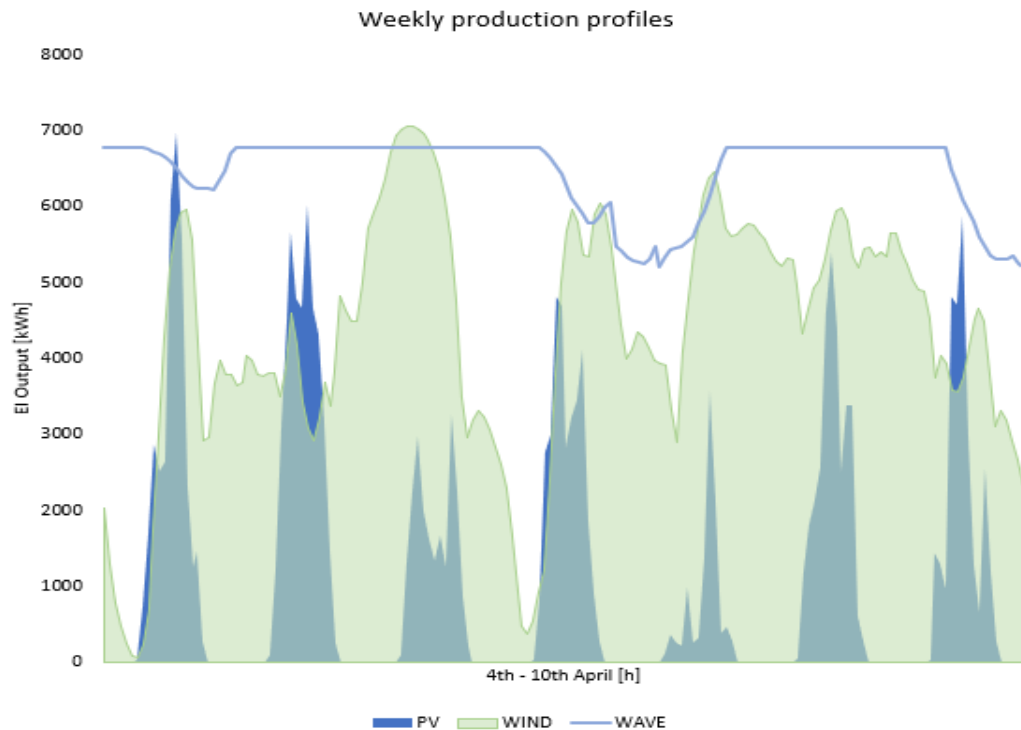
## in short

- Developer (OEM) of turnkey wave energy systems
- 80 employees (Sweden, Scotland, Portugal, Norway)
- Major players engaging, including EDP, Simply Blue Energy, ENEL Green Power, O&G Majors
- Broad backing across Europe. 65+ MEUR funding secured to date.

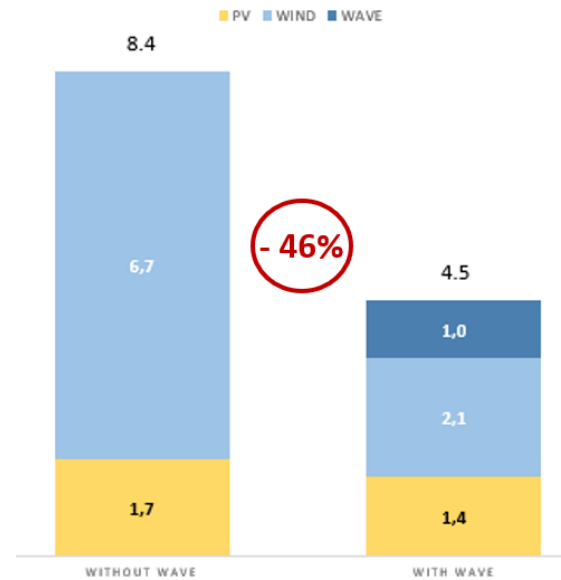


# Wave energy enables the lowest cost – zero emission energy system

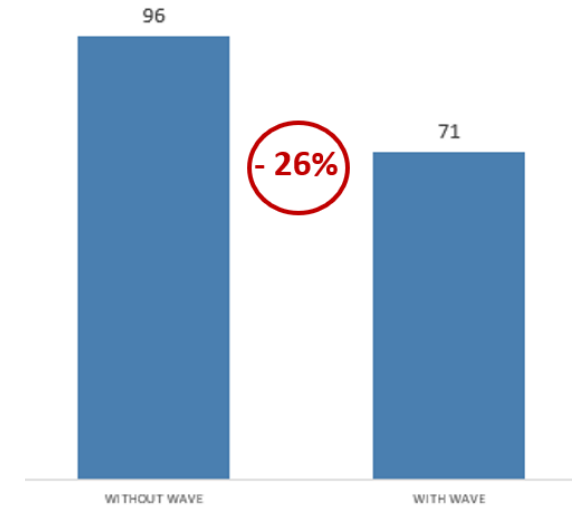
- Wave profile enables significantly higher RE penetration with less installed capacity
- 1GW demand, 8000h/year of CO2 free electricity demand
- Significant reduction in required installed RES capacity (-46%), lowering LCOE



CAPACITY MIX TO DELIVER 1GW - 91% UTILIZATION (8000H) [GW]



LEVELIZED COST OF ELECTRICITY OF THE SYSTEM [€/MWH]





# Structured product verification

5-stage program according to IEA-OES / ETIP Ocean best practice



2012—2013

Stage 1  
Concept

Validation



2014—2015

Stage 2  
Critical System tests

Dry and tank testing



2015—2018

Stage 3  
1:2 scale device

Dry and ocean testing



2018—2023

Stage 4  
Full scale device

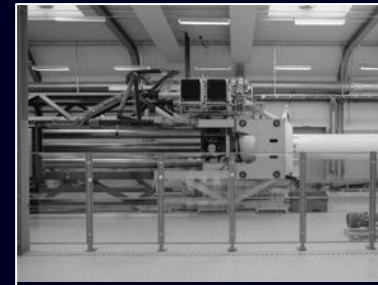
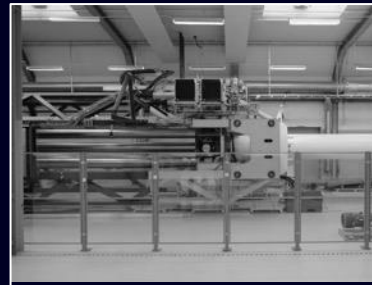
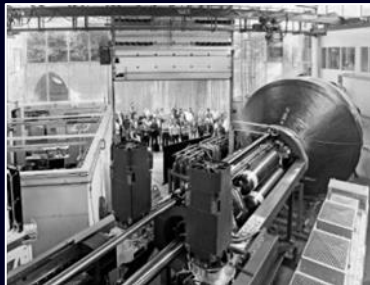
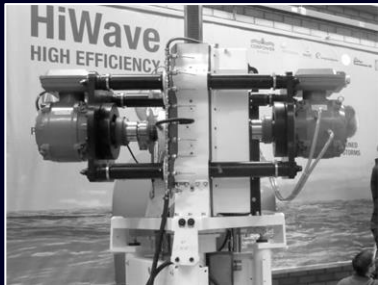
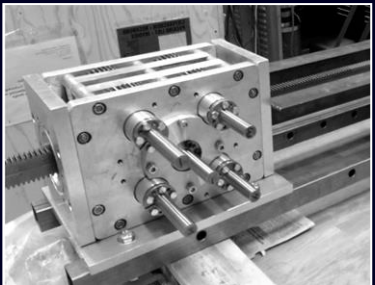
Dry and ocean demo



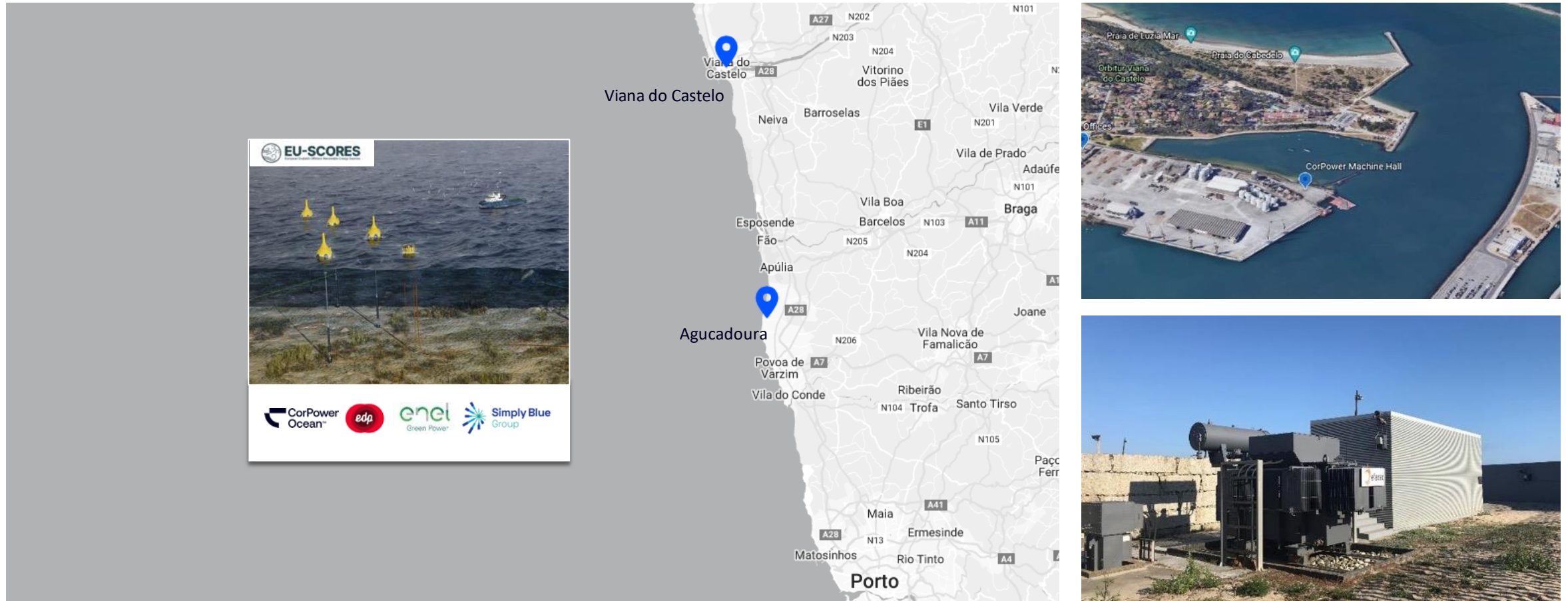
2023—2026

Stage 5  
4 device array

Pilot array (4 WECs)



## HiWave-5: Grid connected demonstration at Agucadoura





# Mobile factory

## Viana do Castelo





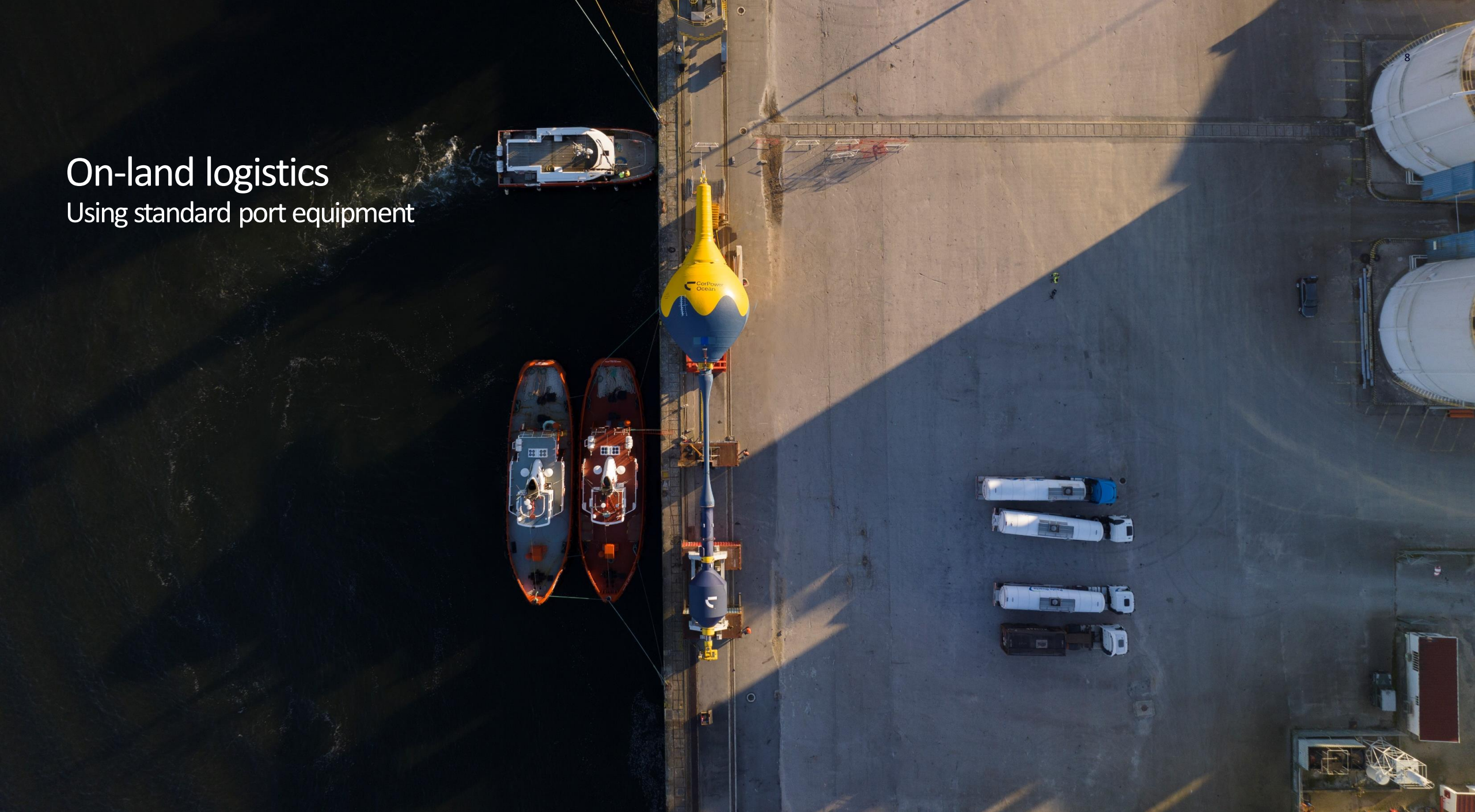
## C4 – Viana do Castelo





# On-land logistics

Using standard port equipment





# Final commissioning phase





# Blue Future – 1<sup>st</sup> PTO assembly parter

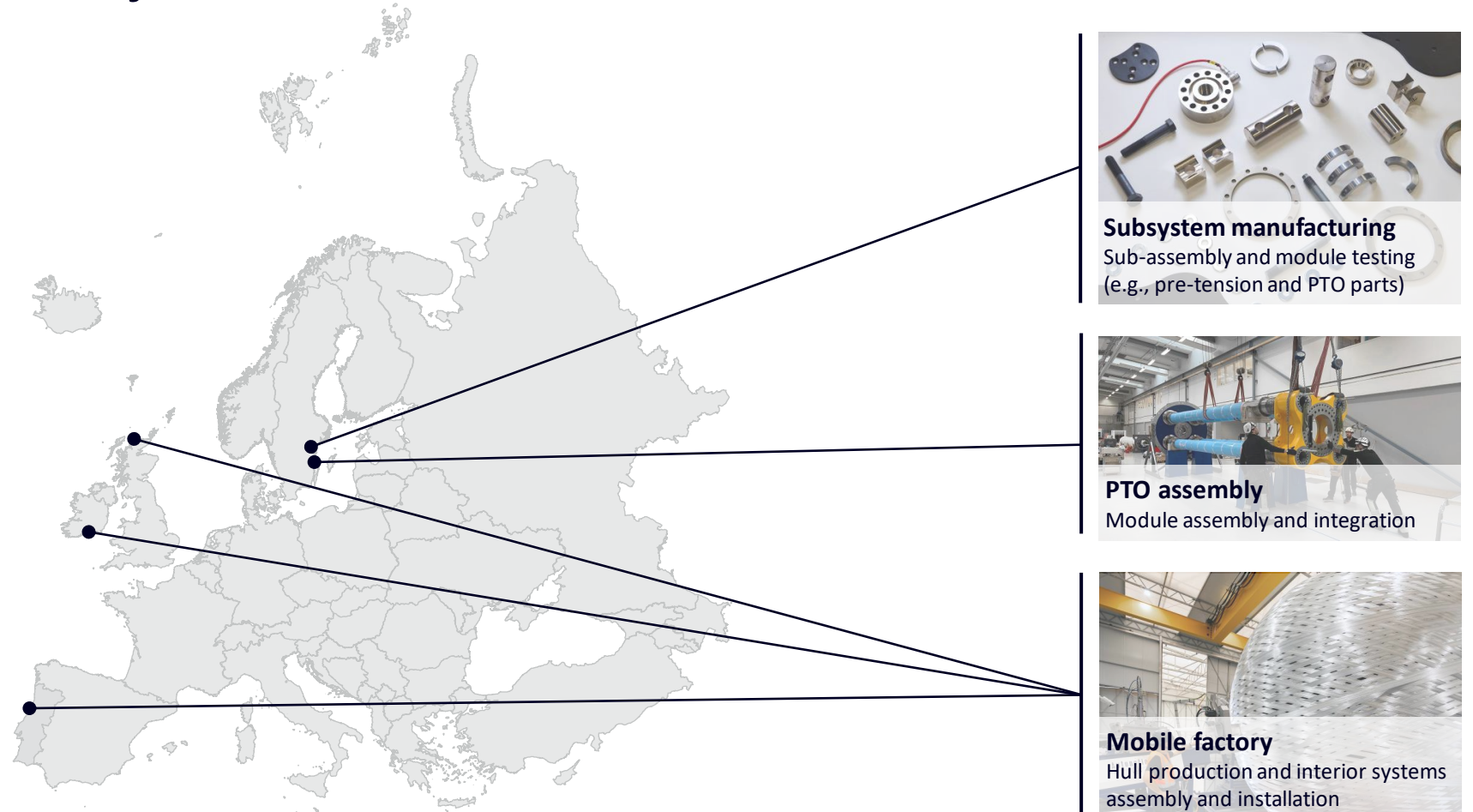
6000 m<sup>2</sup> workshop facility in Kristinehamn





# Mobile and localized setup enable rapid scaling, high local content and local jobs

## Modular production concept



## How do we get policy makers to support wave energy?

- Educate about system value
- Close to commercial roll-out
- When project developers get involved...







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