Blue Energy

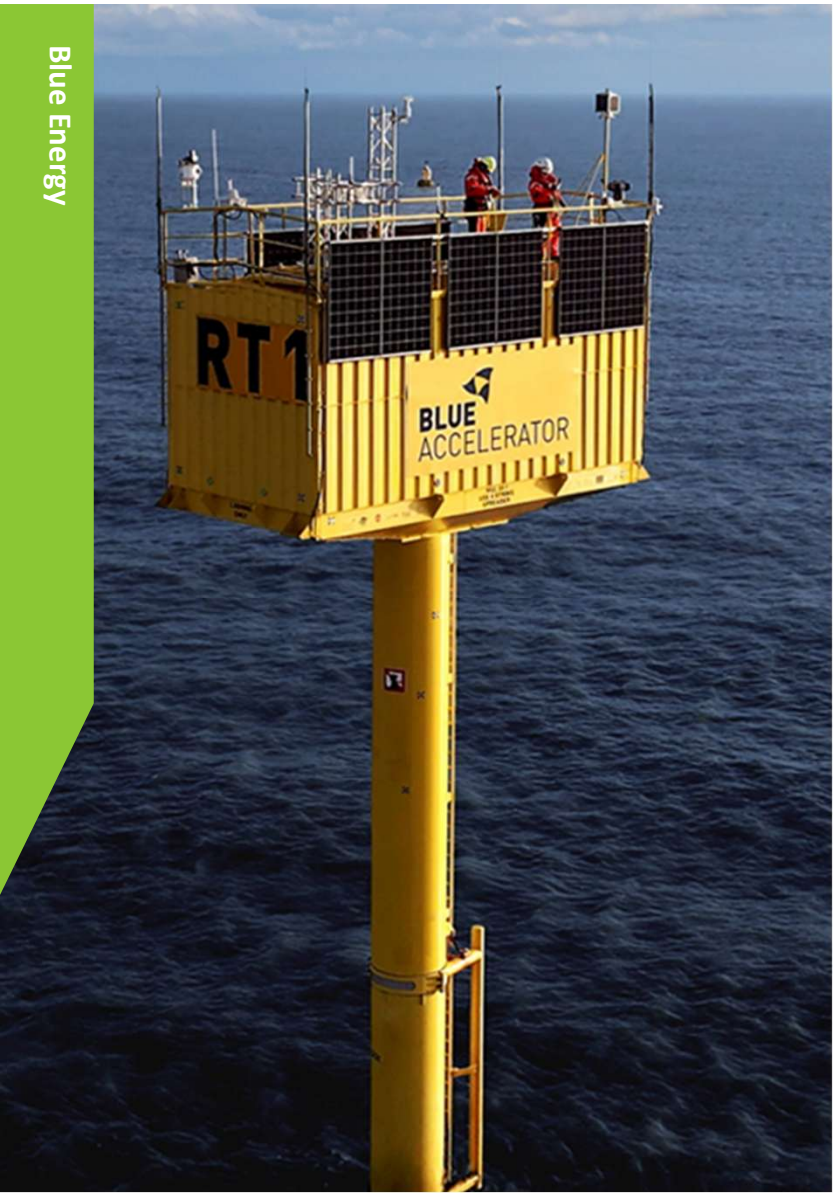



# Blue Accelerator offshore testing

## Stepping up the TRL ladder

**MARINERG-i, 8 October COB**

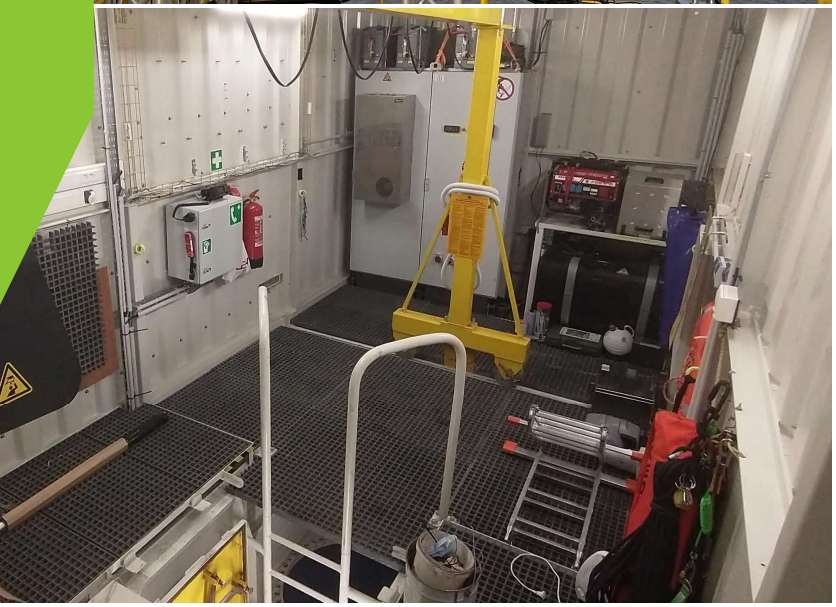
FABRIEKEN VOOR DE TOEKOMST | POM West-Vlaanderen




# Blue Accelerator Tower

- Near shore
- Test and demo platform
- Exclusive, safe and pre-consented test zone
- 6 years operational



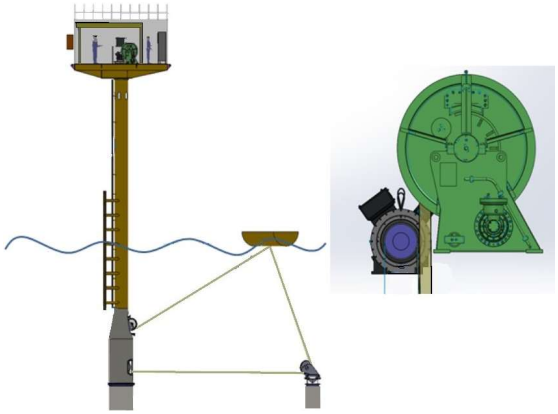


# Blue Accelerator Tower
# **offshore test platform**

## Open for **industry, SMEs, developers, project consortia, knowledge centres**

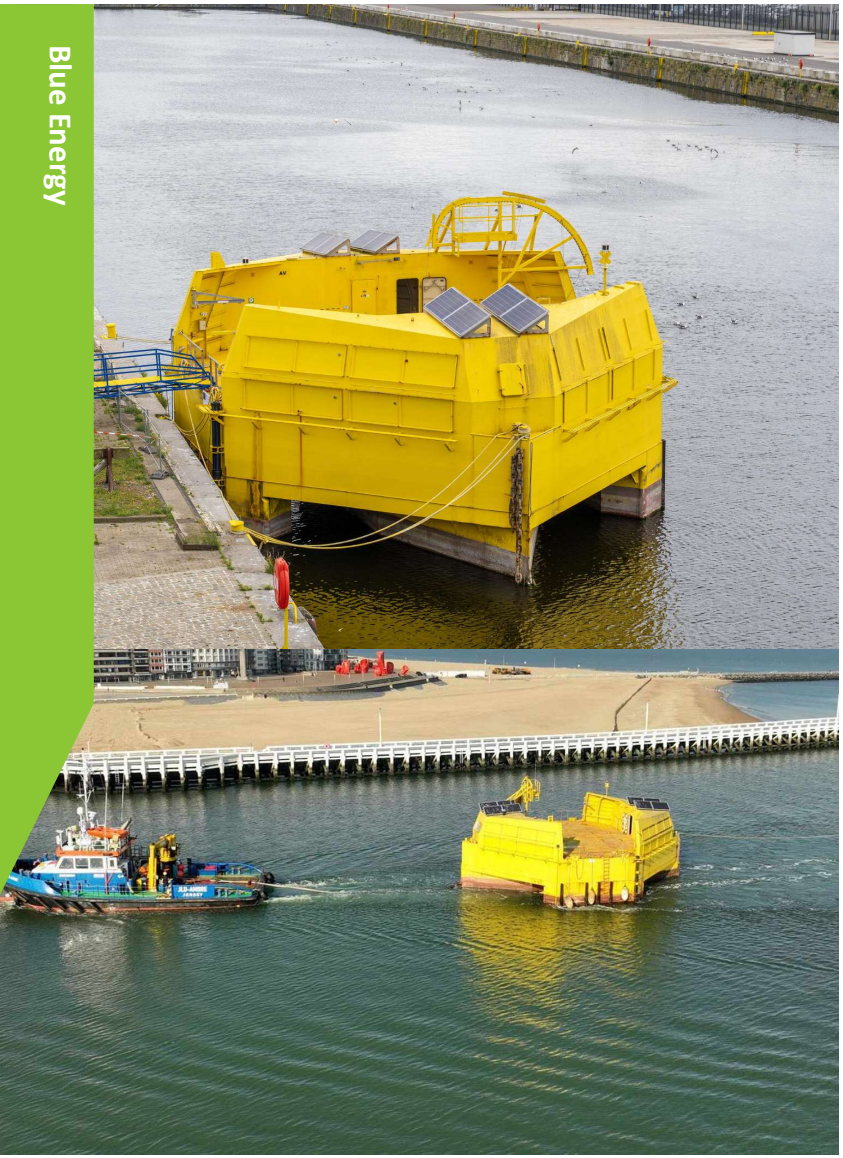
- Floating energy conversion
- New materials, coatings & sensoring
- Drone solutions





# Blue Accelerator
# **Ocean energy tests**

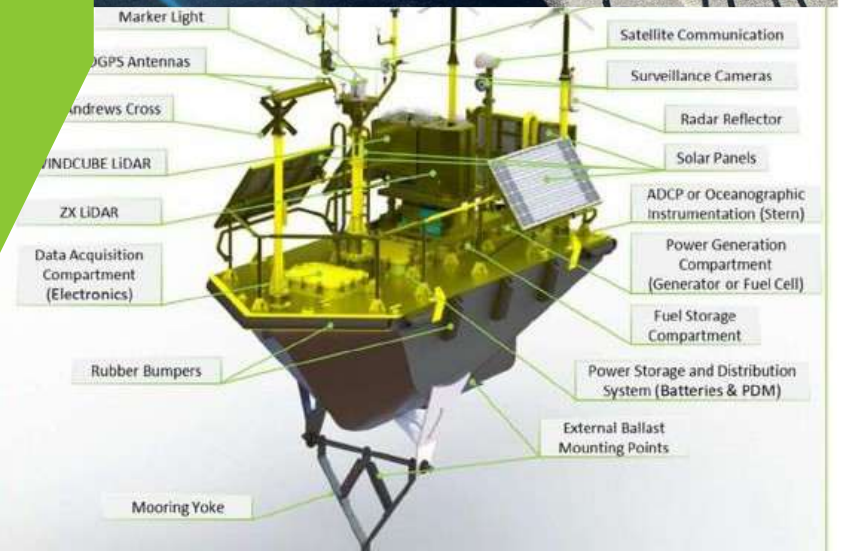
- First offshore testing of 2 wave converters
- Hydro dynamic duration tests
- TRL 4/5 -> climbing up TRL Ladder
- No grid connection



# Blue Accelerator Platform

- Offshore, LAT 25m, harsher conditions
- In belgian existing windfarm
- floating energy convertors, mooring design
- Potential grid connection
- Operational mid 2027






# Blue Accelerator Buoy

- Offshore, LAT 25m, harsher conditions
- Eastern part of Belgian part of North Sea
- 3km – 2km wider test zone
- Drones, (environmental) monitoring
- Operational mid 2027

# Collaborations and partnerships

- Professionalization, business development (leads, network)
- COB – climbing up the TRL of innovative technologies
- International Waters – informal network of offshore test sites
- Offshore Proof
  - Interreg NWE
  - 6 partners including UGent and POM West-Vlaanderen
  - Network of accredited IECRE test sites

# MARINERG-i

- Participating by end of 2026
- Member of a sustainable and legal partnership on research infrastructure
- Closer collaboration with leading test centres e.g. EMEC
- Direct leads for tests in our specific test zones conditions
- Consortia on European funding programmes e.g. HORIZON EU
- De-risking Offshore Renewable Energy sector

Blue Energy

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