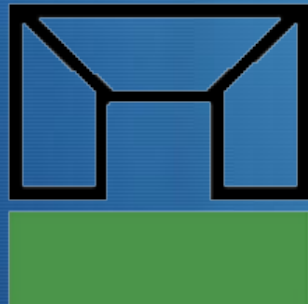


# CúNaMara – Multiple-Use Energy Harvesting Platform



JJ CAMPBELL & ASSOCIATES  
CONSULTING CIVIL & STRUCTURAL ENGINEERS

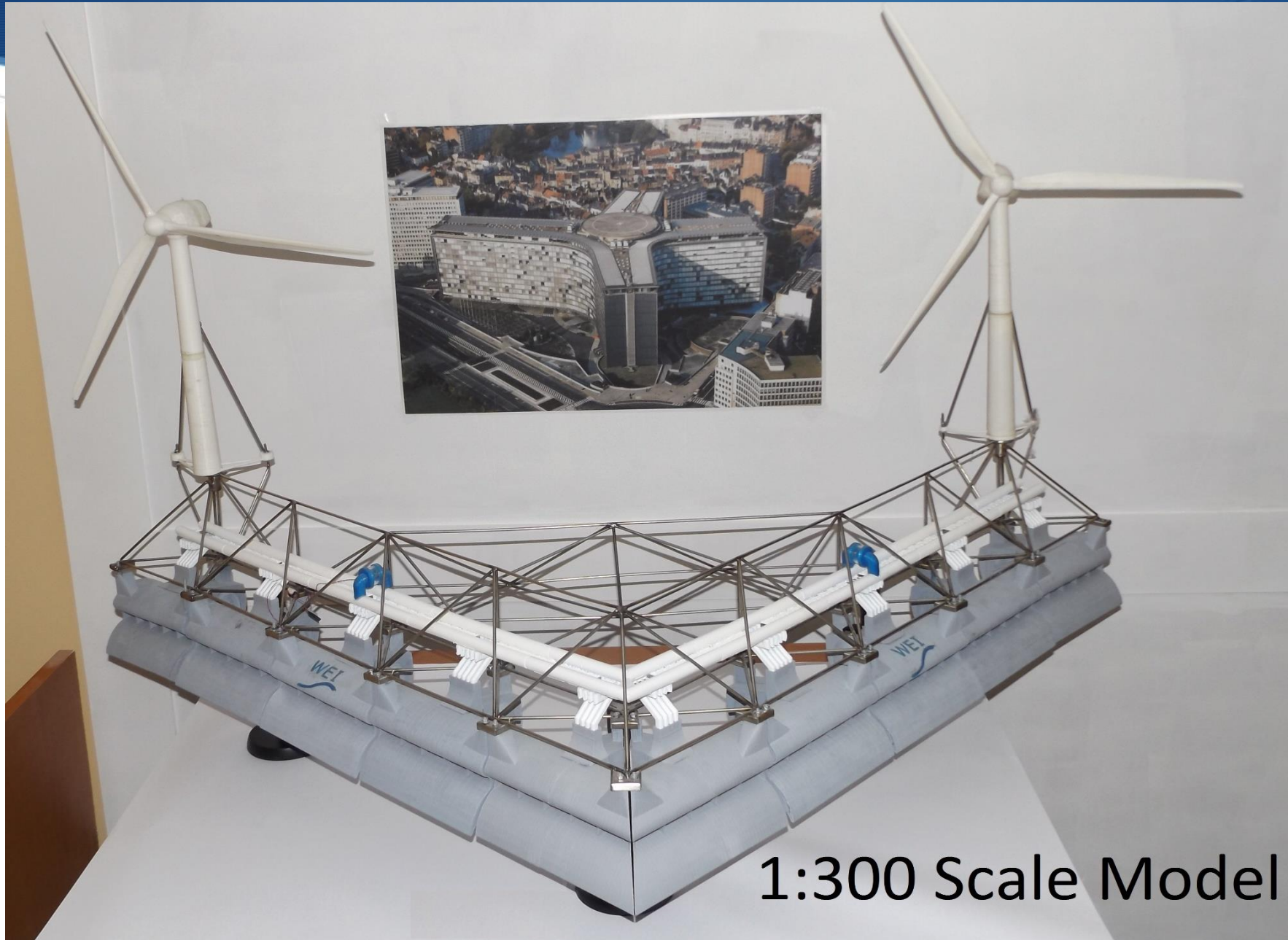


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- 🔹 Overview of the CúNaMara Platform
- 🔹 Pre-MARIBE position regarding key MARIBE objectives
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# What is the CúNaMara project?

- ◆ A multi-use platform combining wind and wave energy conversion rated at 24 MW
  - ◆ Offshore wind turbines
  - ◆ Oscillating water columns
  - ◆ Why combine?
- ◆ Platform fabricated using existing construction techniques
- ◆ Built in modular fashion on-shore and towed to deployment site at depths of up to 100 metres water depth
- ◆ Currently at TRL 3 following 3 rounds of tank testing funded by SEAI



1:300 Scale Model

# Before MARIBE

- ◆ Early stage project compared to others at MARIBE
- ◆ Technical plans in place to proceed up the TRL ladder with some costings performed
- ◆ No attempt to determine NPV, LCOE or appreciation of WACCs.
- ◆ Limited efforts towards marketing strategy
- ◆ Limited consideration given to financial, political or environmental risks
- ◆ Work to-date reviewed favourably by independent consultancy Black and Veatch
- ◆ Agreement in principle with SEAI to fund TRL 4 and 5

# Impact of MARIBE

- ◆ Demonstrated importance of establishing life time costs
- ◆ The structured approach with weekly targets was beneficial, producing:
  - ◆ Financial indicators
  - ◆ Thorough risk assessment
  - ◆ Marketing strategy

# Benefit of Advisory Session

- 💧 Experience in presenting to potential investors
- 💧 Exposure to expert questions
- 💧 Illustrated issues in how message was presented
- 💧 B2B meetings useful

# Future Collaborations

Open to being part of a consortium for future H2020 projects with those we whom we have worked.





# Future Collaborations

## Any Questions?

