



ReaLCoE

ReaLCoE's Vision

Developing the next generation 12+MW offshore wind turbine for competitive and clean electricity.

The consortium expects to demonstrate individual cost reduction potentials for each individual cost block of an offshore wind farm to achieve an overall LCoE (Levelized Cost of Energy) reduction of up to 40-50%.

Under this guiding principle ReaLCoE has committed itself to implement a set of objectives on different levels.

ReaLCoE's vision is to unleash the full potential of offshore wind energy to be in direct competition with conventional energy sources in electricity markets worldwide by optimising and innovating in every link of the offshore wind value

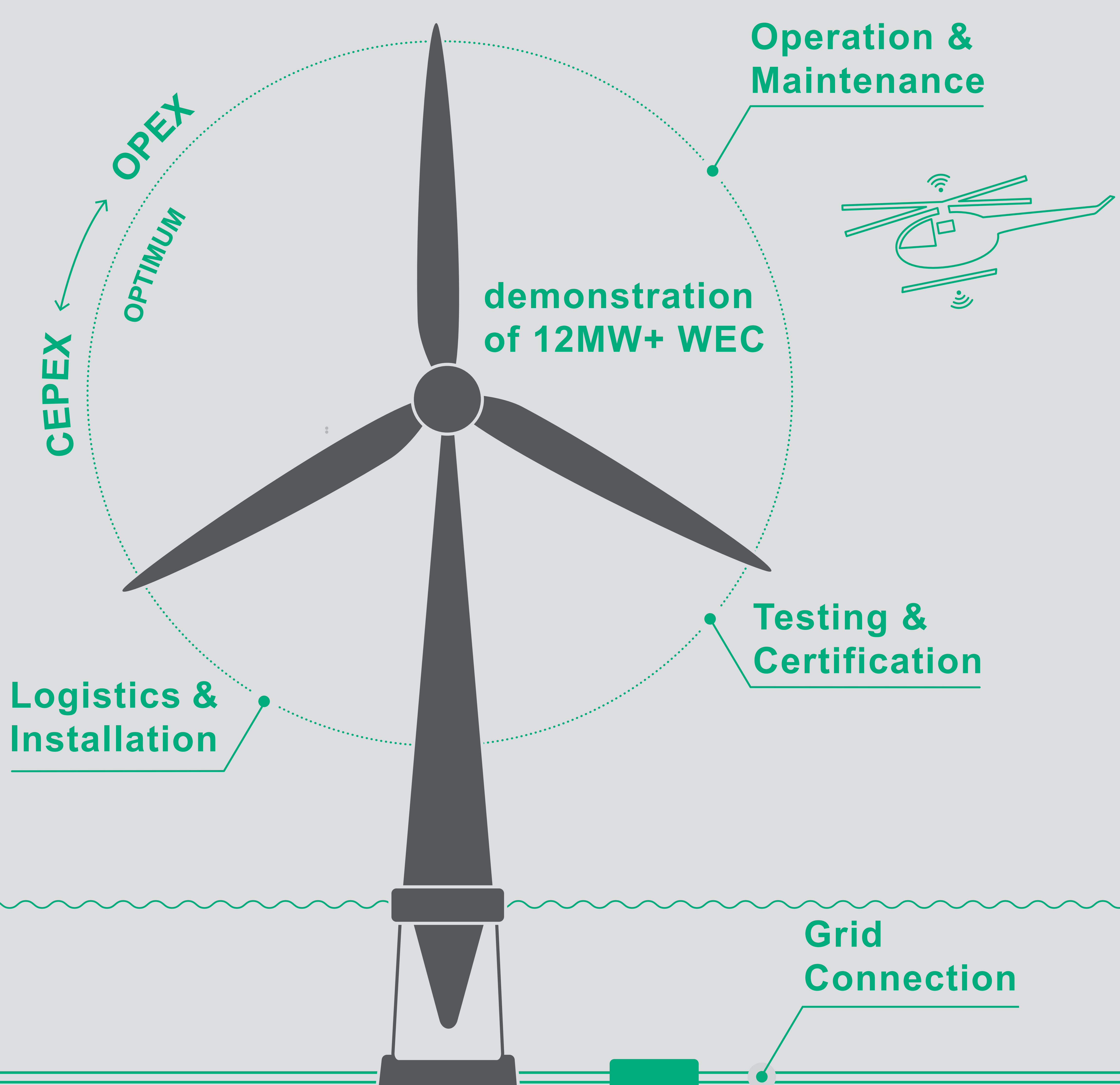
chain: from initial turbine design to equipment handling in the port, from testing to financing installation and providing electricity to final customers.

Functional innovation

- + Modular testing and certification
- + Modular design
- + New maintenance strategies
- + Holistic approach and integrated WEC design
- + New installation strategy
- + Digitalizing the sector
- + Longevity

Technological innovation

- + 12+MW WEC
- + Floating foundation
- + Virtual reality training
- + Power transmission
- + System Services
- + Digital twin
- + Damping



Project Consortium

The RealCoE project consortium led by Senvion, involves 15 partners, representing Europe's most active markets in offshore wind energy, ranging from multinational industry stakeholders through innovative SME's to Universities and research institutes.

SENVION
wind energy solutions

wood.

DNV GL

DJN Jan De Nul n.v.

8.2 | The Experts in Renewable Energy

EnBW

JBO
Beratende Ingenieure im Bauwesen

ABB

PRINCIPLE POWER

Fraunhofer IWES

ECN | **TNO** innovation for life

Ingeteam

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