

# EVOLVE

Place, Time and Value study  
for Blue Energy across Europe

## EVOLVE: Partner Capabilities

# ORBITAL

## MARINE POWER

<https://www.orbitalmarine.com/>

Supported by:



THE UNIVERSITY of EDINBURGH  
School of Engineering

Policy and Innovation Group

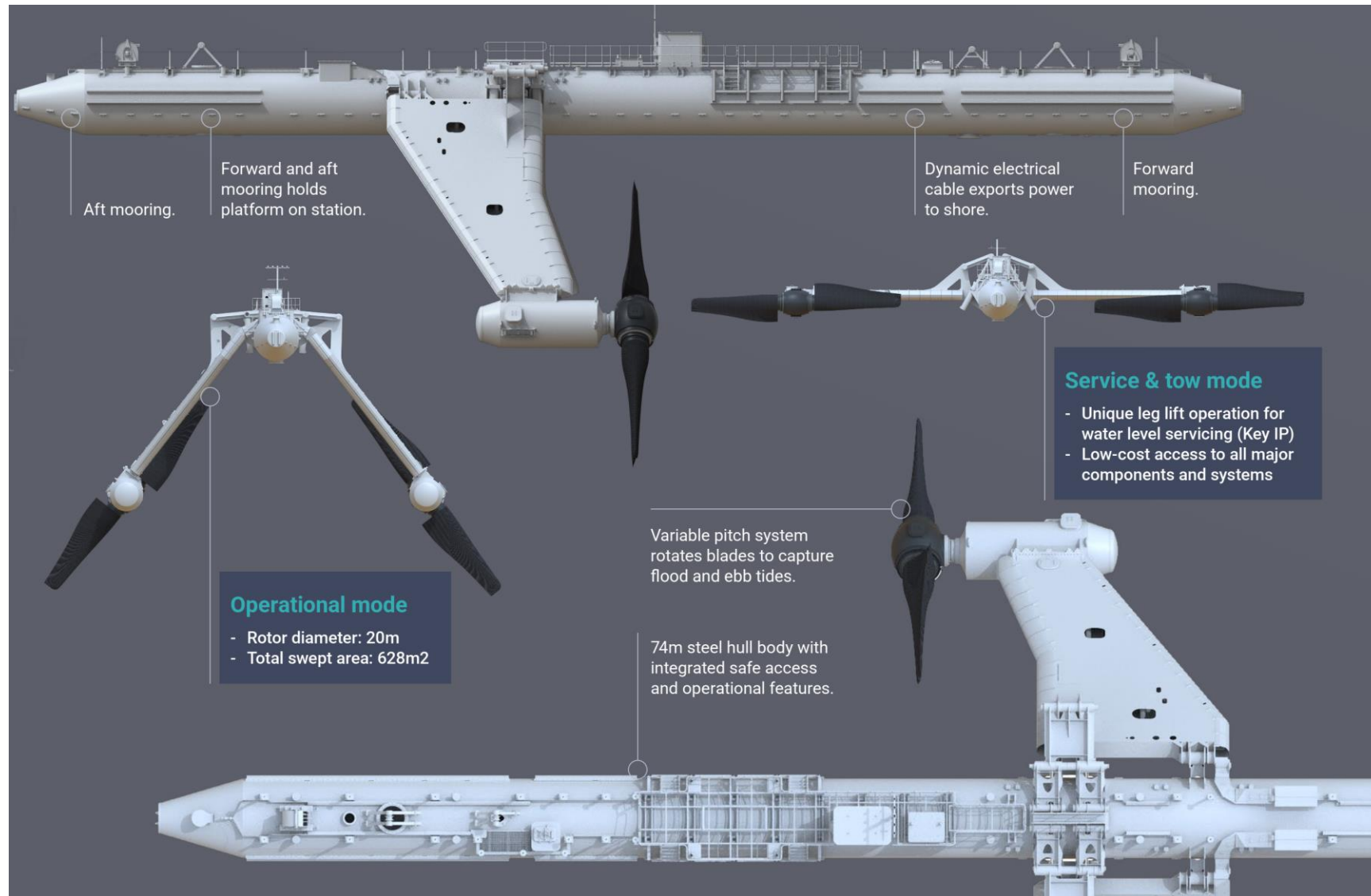
# Orbital Marine Power

- *Leading developer of utility scale floating tidal stream turbines*
- *Have developed the world's most powerful tidal stream turbine, the O2.*
- *£60m+ invested in developing Orbital's tidal technology*



# Orbital Marine Power – O2 tidal turbine

- The revolutionary Orbital O2 design is a sophisticated blend of generation performance engineering combined with unrivalled understanding of operational requirements.



EVOLVE

# Experience

*32 dedicated staff at Orbital encompass world leading knowhow around the business, engineering, heavy manufacturing, offshore construction and operations required to deliver and commercialise a breakthrough technology.*

*Data, in-house modelling, know-how covering all aspects of design, construction, installation and operations.*



# EVOLVE – Scope of Work

Orbital will contribute to the provision of tidal technology specifications, power output profiles, deployment scenario development, cost modelling and trajectories across the following WPs

- WP 2 Scenarios formulation and EVOLVE methodology
- WP 3 Energy resources, power production and electricity supply/demand characterization
- WP 4 Strategic Energy Scenario
- WP 5 Detailed Economic Energy Modelling
- WP 7 Communication of Dissemination and Exploitation

The logo for the EVOLVE project, featuring the word "EVOLVE" in a bold, teal, sans-serif font. The letters are set against a dark blue background with a white, stylized wave or orbital path graphic that curves around the text.