

ORBITAL

MARINE POWER

TOPFLOTE – Lorna Slater

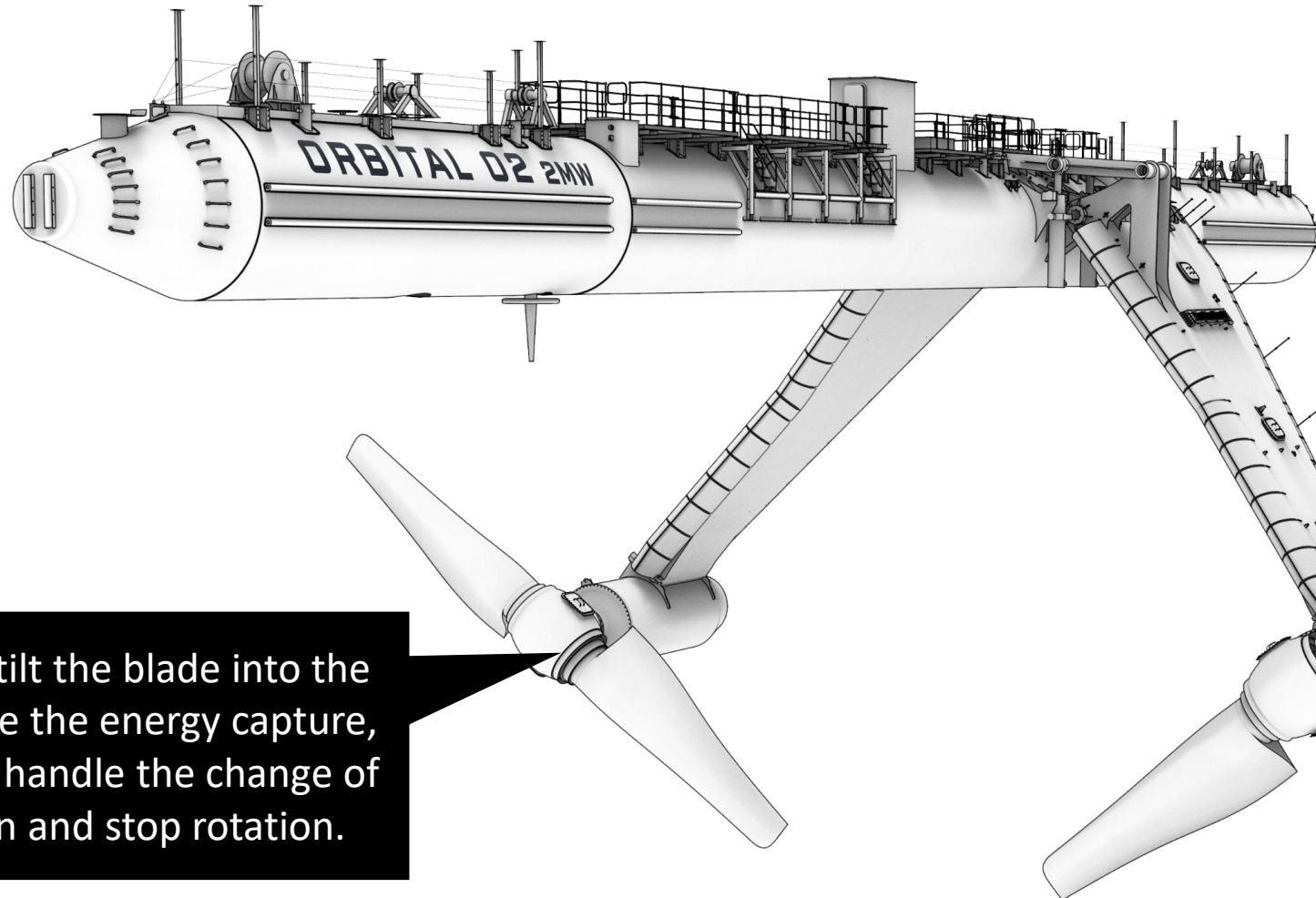
17/11/2020





What does Orbital Marine want to achieve.

Unlock clean, predictable power for millions of people, homes and businesses around the world through the commercialisation of our proprietary technology and engineering know-how.

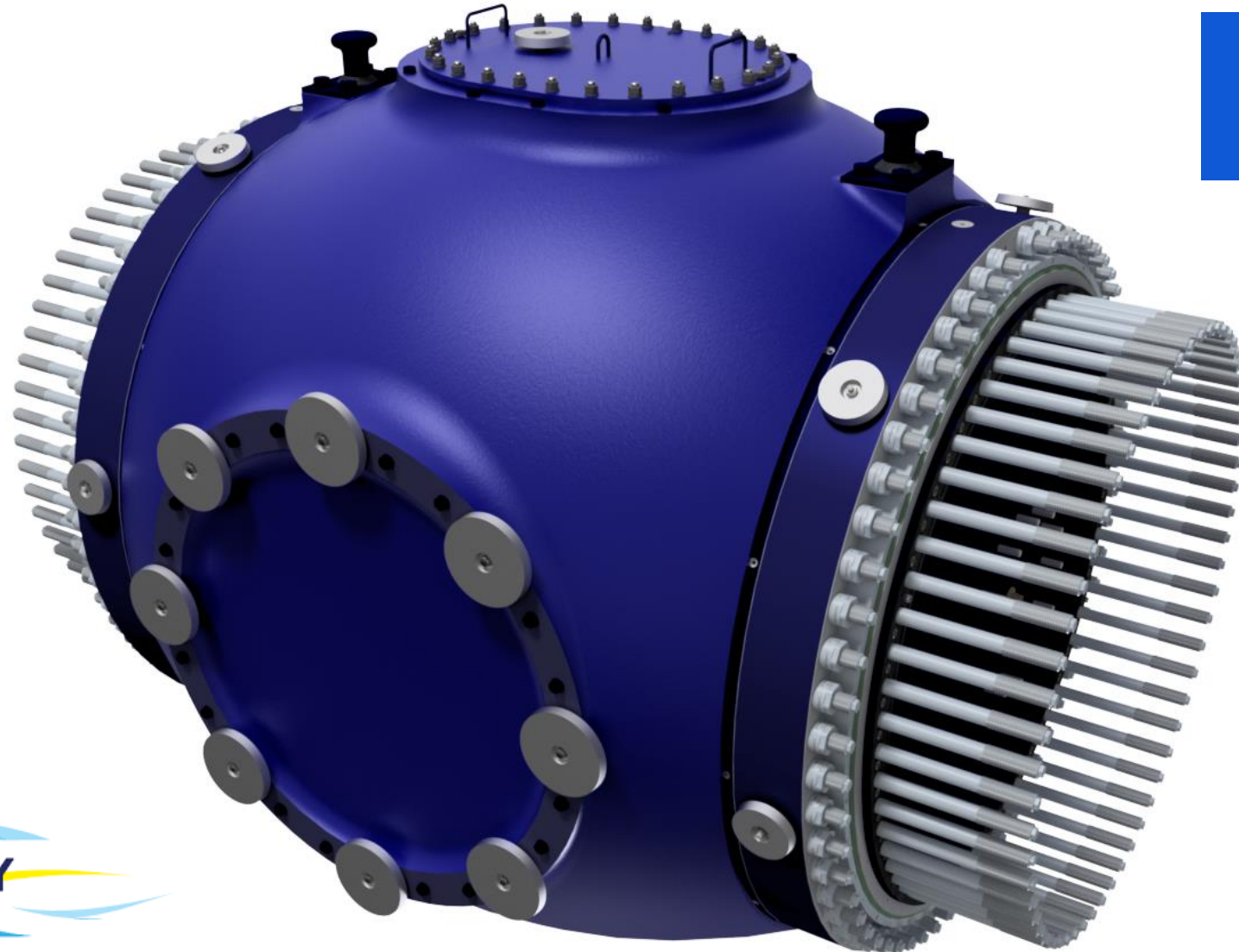


The 20m rotor diameter on the O2 turbine necessitates a pitch system to manage the loads on the powertrain.

Pitch systems tilt the blade into the tide to optimise the energy capture, manage loads, handle the change of tidal direction and stop rotation.

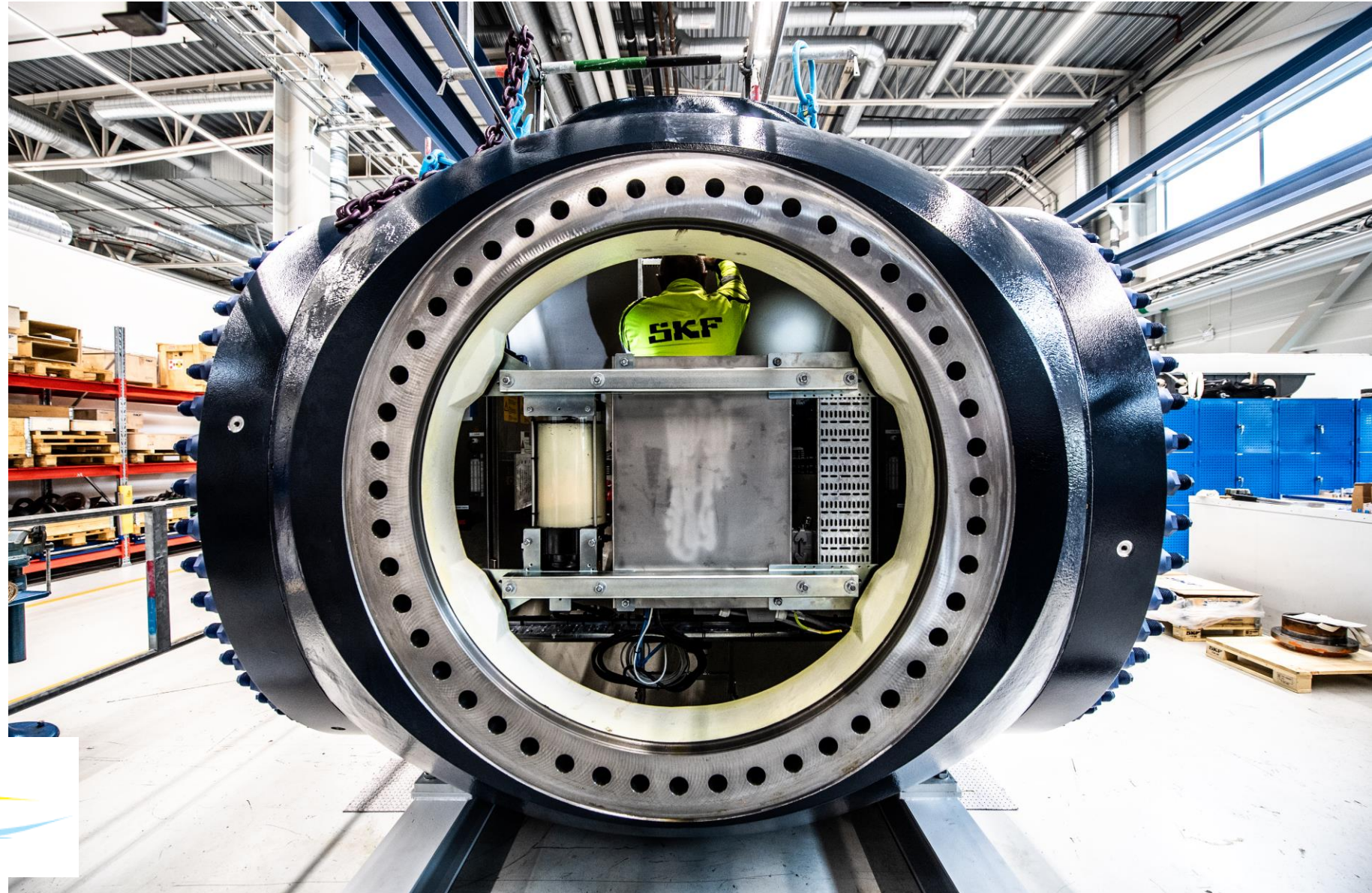
Design of Pitching Systems and Hubs

With our partner SKF we designed the pitching systems and the hubs.



Assembly and Test of Pitching Systems and Hubs

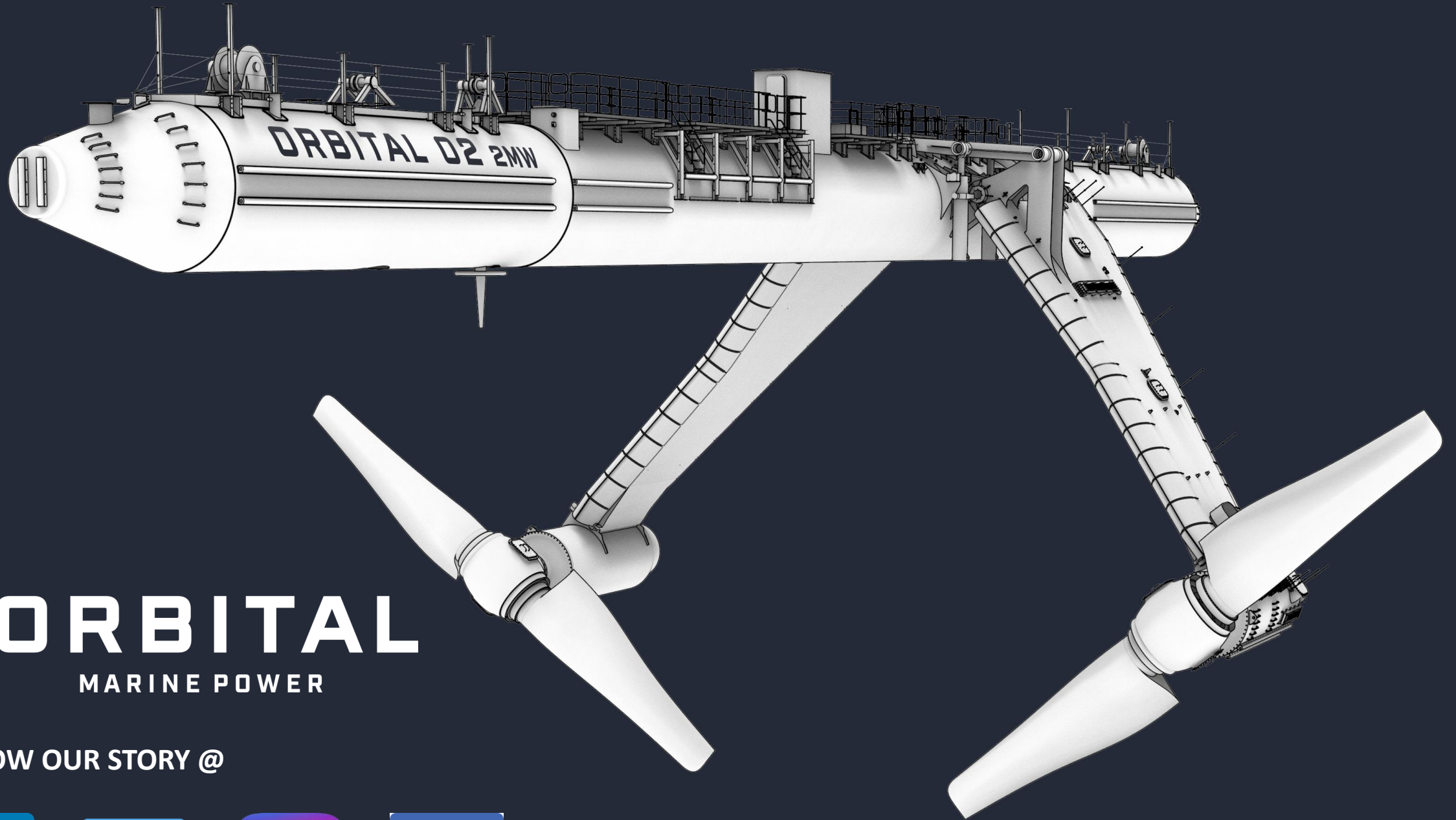
The pitching systems were built over the summer and assembled into the hubs in Gothenburg in Sweden.



Assembly and Test of Pitching Systems and Hubs

The hubs are now in Germany, and have been assembled onto the powertrains ready for rotation testing before they are transported to Scotland.





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