

Modular platform for industrial-scale floating offshore wind

Summary

Marine Power Systems (MPS) is a UK-based technology developer specialising in deep-water offshore wind platform solutions, its innovative PelaFlex platform makes deep-water wind more scalable, cost-effective and easier to deploy.

Before

MPS first engaged with OWGP through the WEST programme. This support helped MPS to develop a fabrication and assembly strategy for their PelaFlex platform and accelerate the development of a detailed model to improve cost accuracy.

During

Building on this, MPS went on to secure financial backing from OWGP to further develop the PelaFlex platform. The project enabled MPS to develop and derisk the at site installation methodology for the platform and turbine, to follow established installation practices of fixed offshore wind.

After

Following the successful completion of its Innovation Funding project in 2026, MPS continue to work with OWGP through the Manufacturing Facility Support Programme (MFSP), supporting the early development of a UK fabrication facility for the PelaFlex platform.

- Strengthened the company's commercial strategy leading to several offshore wind MOUs and collaboration agreements with energy developers, EPC's and engineering companies worldwide
- Seen headcount grow by 10%
- Now progressing towards large-scale manufacturing.

Unlocking deeper water sites and strengthening the UK's floating offshore wind supply chain.



PelaFlex GS for deployment in transitional water depths of 60-130m.



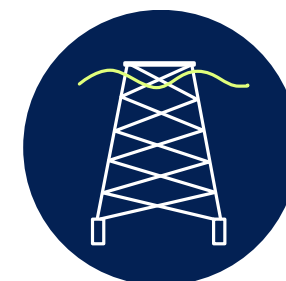
PelaFlex TS is a fully floating tension-leg platform designed for 90-500m water depths.

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OWGP's support has helped us accelerate our commercial journey.

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Dr Gareth Stockman
JCEO, Marine Power Systems



Industrialised foundations and substructures

