

WINDSHIELD

NEW GENERATION OFFSHORE WIND TURBINE BOAT LANDING PROTECTION SYSTEM

DETACHABLE OR PERMANENT
MODULAR SOLUTION



W BUOYANT
WORKS



AN ENGINEERED APPROACH TO OFFSHORE WIND TURBINE BOAT LANDING PROTECTION

APPLICATION

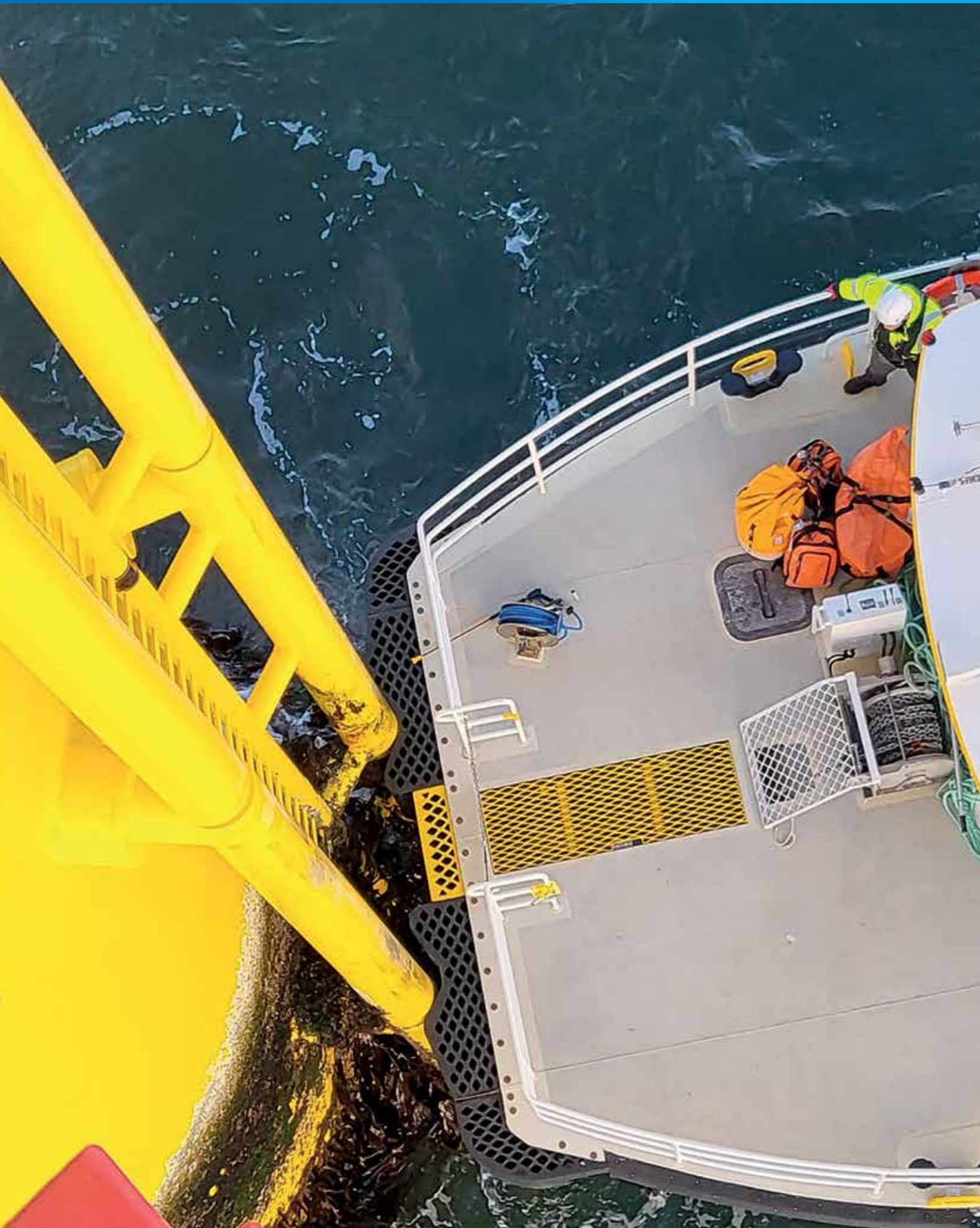
WINDSHIELD is a modular solution that can be retro-fitted to existing Offshore Wind Turbine Boat Landings to provide protection against Impact and Corrosion damage sustained during maintenance operations. It is designed to be virtually maintenance free and have a lifespan in excess of the Wind Turbine it is fitted to. It is manufactured from a high performance Polymer with a proven track record in hostile offshore environments.

30 YEARS OF EXPERIENCE

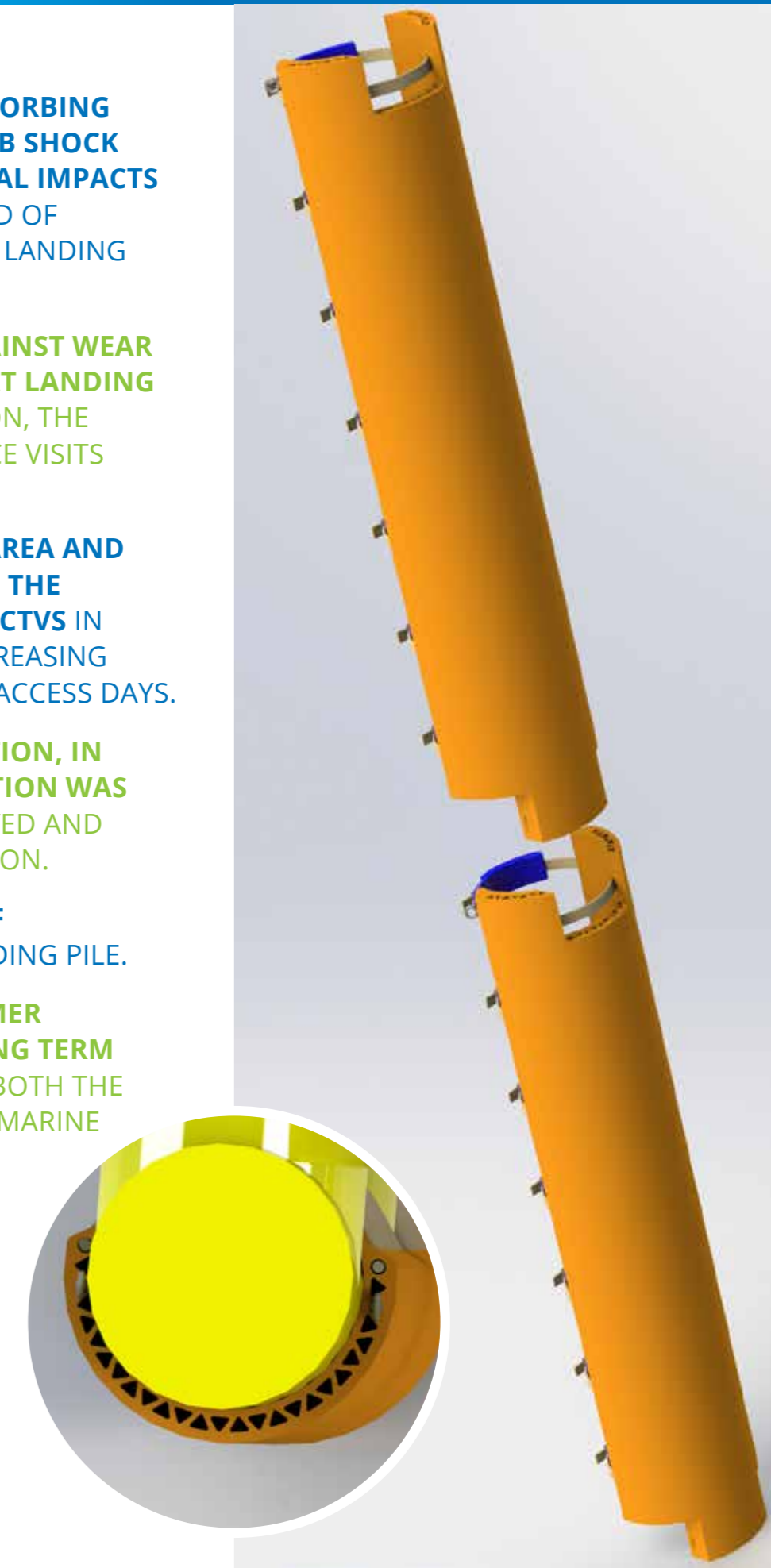
Buoyant Works has developed the next generation of Wind Turbine landing pile protection. Utilising our progressive compression technology and modular construction, we have achieved significant performance and environmental benefits.



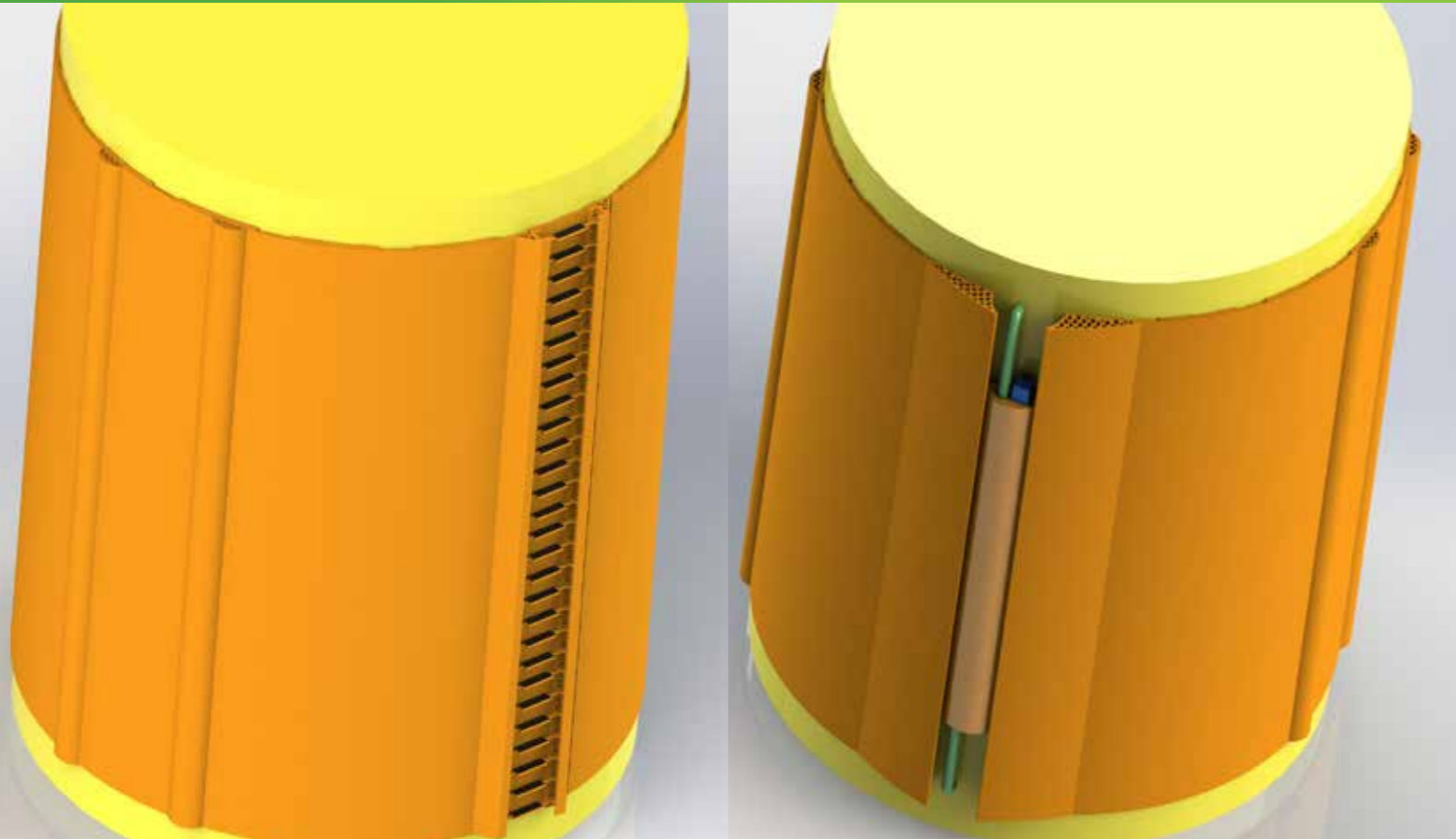
FEATURES



- **COMPRESSIBLE ENERGY ABSORBING STRUCTURE TO HELP ABSORB SHOCK LOADINGS FROM ACCIDENTAL IMPACTS** AND REDUCE THE LIKELIHOOD OF DAMAGE TO BOTH THE BOAT LANDING STRUCTURE AND CTV.
- **PROVIDES PROTECTION AGAINST WEAR AND ABRASION OF THE BOAT LANDING TUBES**, REDUCING CORROSION, THE FREQUENCY OF MAINTENANCE VISITS AND IT'S ASSOCIATED COSTS.
- **AN INCREASE IN CONTACT AREA AND SURFACE GRIP WILL EXTEND THE OPERATIONAL WINDOW OF CTVS** IN MARGINAL CONDITIONS, INCREASING THE NUMBER OF POTENTIAL ACCESS DAYS.
- **FOR A RETRO-FIT INSTALLATION, IN THE UNLIKELY EVENT A SECTION WAS DAMAGED**, IT CAN BE REMOVED AND REPLACED WITH A NEW SECTION.
- **UP TO 14 LINEAR METRES OF PROTECTION** PER BOAT LANDING PILE.
- **HIGH PERFORMANCE POLYMER CONSTRUCTION WITH A LONG TERM PROVEN TRACK RECORD** IN BOTH THE OFFSHORE RENEWABLE AND MARINE SECTORS.
- **SOV BOAT LANDINGS AND JACKET FOUNDATIONS** – VERSIONS OF WINDSHIELD HAVE BEEN DEVELOPED FOR THESE APPLICATIONS.



WINDSHIELD MONOPILE



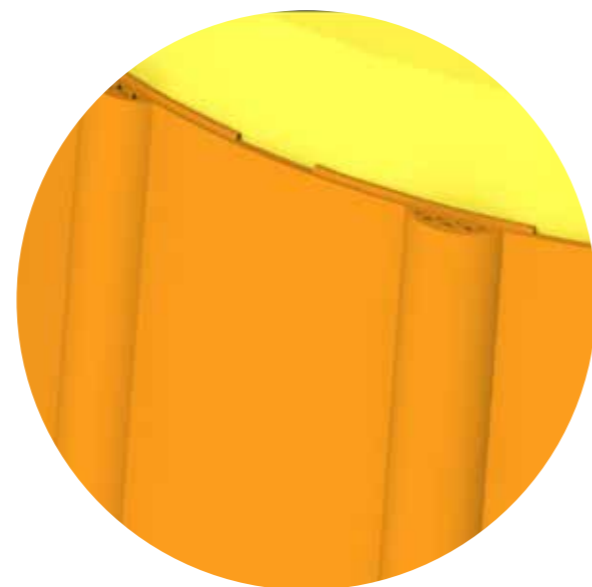
Above: WindShield Monopile (2x rendered images)

A modular protection system for Monopile Offshore Wind Turbines without a traditional boat landing structure.

It can incorporate a number of innovative design features for current and future operational requirements. These include:

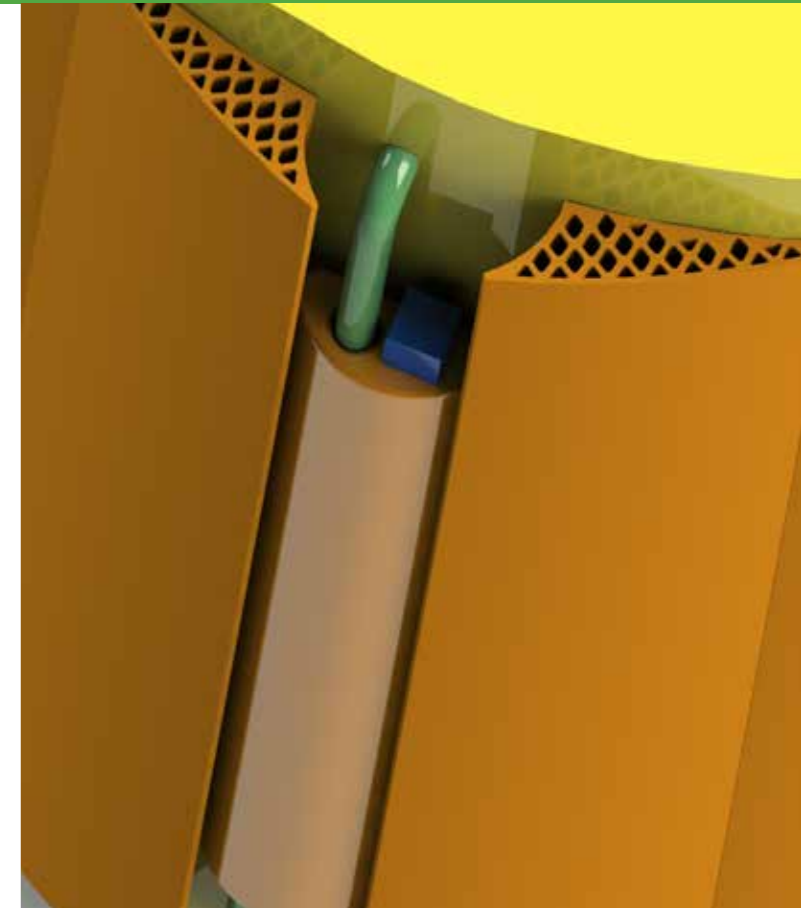
BOAT LANDING BUMPS

To help stabilise a CTV during crew transfer operations. There can be one or multiple sets of these incorporated within **WINDSHIELD** Monopile.



POWER FLOAT

A method to provide constant access to either a charging cable or a charge point at a fixed height from the water.



EMERGENCY LADDER SYSTEM

To enable crew retrieval if there was an operational issue with the prime method of crew transfer being used.

ABOUT US

Buoyant Works is an innovative designer and manufacturer of high performance, fendering and offshore wind farm impact protection products.

Born out of 30 years of fender design experience, our **FENDERIT** range is a modern, engineered polyurethane alternative to rubber fendering. It utilises the most efficient processing technology to provide lightweight, durable fender solutions which maximise vessel / quayside protection, increase operational performance and help to lower your running and maintenance costs.

FENDERIT has a dynamic range of applications:

- **Crew Transfer Vessels**
 - Tug Boats
 - Pilot Boats
- **Military and Patrol Boats**
 - Lifeboats
 - Fishery Vessels
- **Harbour and Marine Pontoons**
 - Quayside Jetties
- **Wharfs and Inland Waterways**

Please get in touch to discuss how we can help you:

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