

# HydroPlow Mobilisation for Prysmian Monna Lisa



**MJR Power & Automation provided turnkey vessel electrical installation for the mobilisation of a Hydroplow spread aboard the cable-laying vessel, Prysmian Monna Lisa.**

Operating as part of Prysmian Group's fleet, the Monna Lisa is equipped for complex offshore cable installation, trenching, and burial operations in support of major interconnector and offshore wind projects.

MJR Power & Automation was contracted by Prysmian Group to carry out the electrical installation required for the mobilisation of a Hydroplow spread aboard the cable-laying vessel Monna Lisa. This spread is designed for simultaneous lay and burial of cables.

The work was carried out at the Port of Middlesbrough (Steel River Quay) and included the provision and integration of power distribution systems to support the Hydroplow spread, including both below-deck and on-deck.

## **MJR Power & Automation**

85 & 88 Willows Court, Teesside Industrial Estate, Thornaby, Stockton-on-Tees, TS17 9PP, United Kingdom

Head Office +44 (0) 1642 762 151 | Aberdeen +44 (0) 1224 507 082

[www.mjrpower.com](http://www.mjrpower.com)

The mobilisation of this project onboard to Monna Lisa included:

- Providing power supply to the control van, wendy house and umbilical winch HPU for the plough
- Installation of 230V and 440V distribution boards for the additional deck equipment
- Installation of a 25kVA 440V/230V transformer required for the additional 230V supplies
- Installation of three stainless steel junction boxes, as per the client's request

## Scope of Work

- Power distribution, installation and termination of MV 440V, 230V vessel networks
- Design, build, installation and commissioning of deck power distribution systems
- Integration of transformers (40kVA & 25kVA) for step-down supply to 230VAC networks
- Cable management design & installation, including design of new ladder racks and cable penetrations
- Installation of deck equipment, such as HPUs for the Hydroplow



All installations were completed to client specifications, supporting safe and efficient operation of the Hydroplow system.

The electrical infrastructure provided by MJR Power & Automation ensured reliable power distribution across all Hydroplow components, contributing to a successful mobilisation ahead of the Monna Lisa's next cable-laying campaign.

