



**POWER LINK
CABLE SOLUTIONS**

Always on your business



**Prysmian
Group**

ALWAYS SWITCHED ON TO YOUR SUBSEA CABLES

Cable damage is the biggest threat to submarine cables and the critical work they do in enabling power transmission via subsea interconnectors. Preventing cable harm and being able to resolve it with minimal downtime is crucial to TSO and offshore facilities operators, who stand to suffer severe impact should cable issues occur.

Prysmian Group has combined **full high-tech monitoring capabilities** with **enhanced preventive and reactive maintenance services** to create a unique and powerful solution. One that provides **complete effective offshore cable asset management** – from detection to recovery – while dramatically lowering downtime and significantly reducing total cost of ownership.



AVERAGE SERVICE LEVEL

Average repair time of
a submarine cable = **107 days**¹

Average cost of unplanned repairs² > **€ 12 m**

PRYSMIAN POWER LINK CABLE SOLUTIONS

UP TO **70%** REDUCTIONS IN REPAIR
AND RECOVERY TIME

UP TO **70%** REDUCTION
IN REPAIR COSTS

¹ Source: Cigré statistics

² Based on publically available data

A TURNKEY SOLUTION TO PROTECT YOUR BUSINESS

Power Link Cable Solutions is the result of the Group's subsea cables know-how, cutting edge technologies, and deep water installations and maintenance capabilities. All integrated in a **one-stop service** provider package.

Thanks to our technologies and asset management services, we improve effectiveness in the event of a power outage, and reduce costs for our clients.

Advanced **real-time monitoring systems** and a **dedicated UK marine base** mean our Prysmian professionals are perfectly placed for **maintenance operations** and **timely detection of damages**. What's more, they are always ready to **react quickly to recover damaged cables** or respond rapidly to any repair requirements you may have.



ONE-STOP-SHOP SOLUTION

Low risk. High reliability. Easy management.

Power Link Cable Solutions combines all the advantages of a single partner, with the commitment of a global leader in the cable industry, and world-class expertise in offshore submarine interconnections – from design and manufacturing, to installation and testing.

As a single source service provider partnering with major companies globally, Prysmian offers a single point of contact for even the most critical projects, with no interface risk. Thanks to its wide experience and extended capability, Prysmian can abate any asset risk and ensure high performance and long-term availability.





PERMANENT SURVEILLANCE

Damage prevention. Real-time fault detection.

Cable protection begins with comprehensive and continual surveillance of conditions. Power Link Cable Solutions offers a complete set of cloud-based asset monitoring systems, providing 24/7 remote control of subsea cables, and a full team of Prysmian specialists, capable of reading and interpreting any collected data.

This service represents a revolution in asset management as it features non-invasive measurement and provides accuracy and deep diagnostic information. It also includes programmed intervention to prevent any faults and system malfunctions.



PREVENTIVE MAINTENANCE

Dedicated marine base, fully equipped for all needs.

Preparation is key when providing effective and fast maintenance. That's why Prysmian has established a marine base in Middlesbrough, UK, fully equipped with all that is needed for maintenance interventions, including spares storage and management.

- Multiple sheltered storage areas for cables and accessories.
- Easy access to the facility from sea for easy loading/offloading of spares and equipment.
- Accessibility to service providers for VOO mob/demob and for survey equipment/services.
- Additional planned and recurring surveys that verify the state of the system and rectify any possible issues that could lead to future cable damages.



IMMEDIATE REPAIR

Fastest repair times, guaranteed.

Every single day of outage means costly losses - so reducing downtime is vital.

Prysmian has the capability to react promptly, thanks to a dedicated task force located at a marine base on the UK East Coast.

Following the notification of an interruption of power availability to Power Link Cable Solutions' 24/7 call centre, Prysmian crews are able to mobilise the DP2 vessel within just 5 days, so it can arrive at the required destination within an additional 2-3 days.

That means we are ready on-site in no more than 10 days.

And, thanks to in-house resources and personnel, Prysmian is able to perform all repair activities more quickly and efficiently than anyone else in the industry.

Prysmian's cable monitoring systems are based on PRY-CAM solutions: a set of cutting-edge products for condition-assessment and asset management that incorporates state-of-the-art monitoring technologies.



PRY-CAM

- Cable Monitoring System
- Distributed Temperature Sensing (DTS)
- Real-time Thermal Rating (RTTR)
- Distributed Acoustic Sensing (DAS)

Power Link Cable Solutions maintenance base:



- State of-the-art vessel for periodical survey
- A permanent engineering and offshore installation team
- Management and periodical check of spares



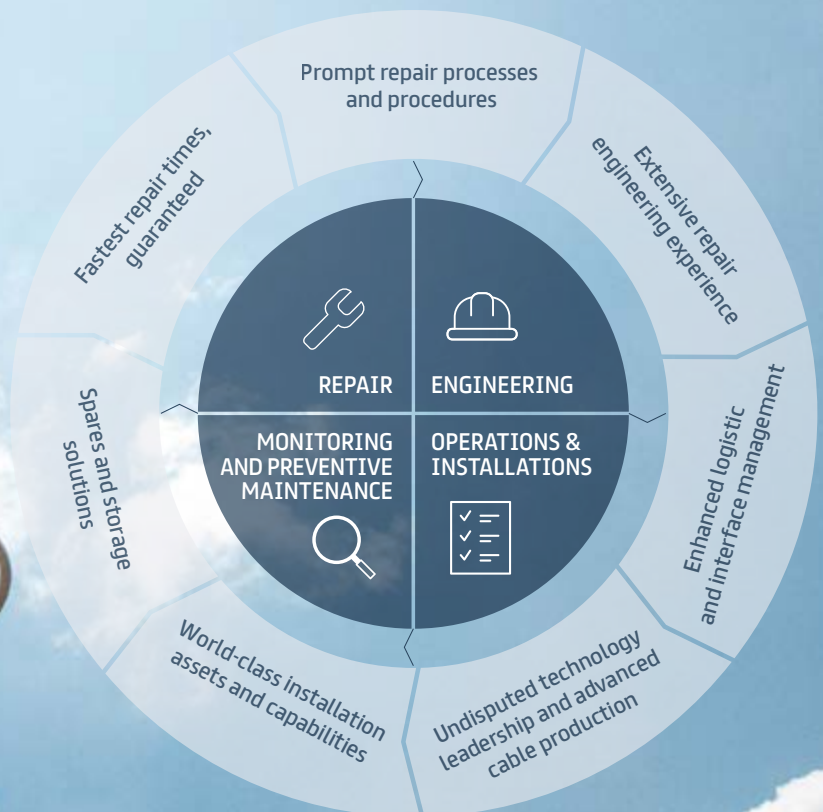
- Dedicated vessel, equipped with cable repair/lay spread for operations in deep water, ready on-site in 10 days
- 24/7 dedicated team of jointers ready to intervene on-site
- Maximised efficiency and effectiveness of response in case of damages
- Guaranteed time for repair and recovery **70%** lower than industry average

WHY PRYSMIAN GROUP?

With nearly 140 years of experience, 82 factories, 17 R&D centres, and 21,000 employees in 50 countries, Prysmian is the world leader in the energy and telecom cables and systems industry. And it's the best possible choice for end-to-end solutions for submarine connections.

- Impressive track record in submarine interconnections and offshore windfarms worldwide.
- Outstanding project management capabilities in design, manufacturing, installation and testing.
- State-of-the-art cable-laying fleet with deep-water capabilities of up to 2,000 metres.
- Global master of innovation, nowhere more evident than in submarine solutions.
- Partner of choice for major international TSOs and offshore windfarm operators.
- World's widest and most comprehensive range of high-tech solutions and burial tools.
- Innovative and tailor-made services for monitoring and maintenance.
- Capability and know-how to develop top-quality products with the lowest environmental impact.
- Proximity to customers delivers higher added value.
- First-rate standards of safety, and unparalleled reliability.
- Unmatched experience in cable repair activities.

TURNKEY ASSET MANAGEMENT APPROACH



For more information visit our Submarine Cable solution page on
www.prysmiangroup.com/submarine-cable-solutions



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