

WHY PRYSMIAN GROUP?

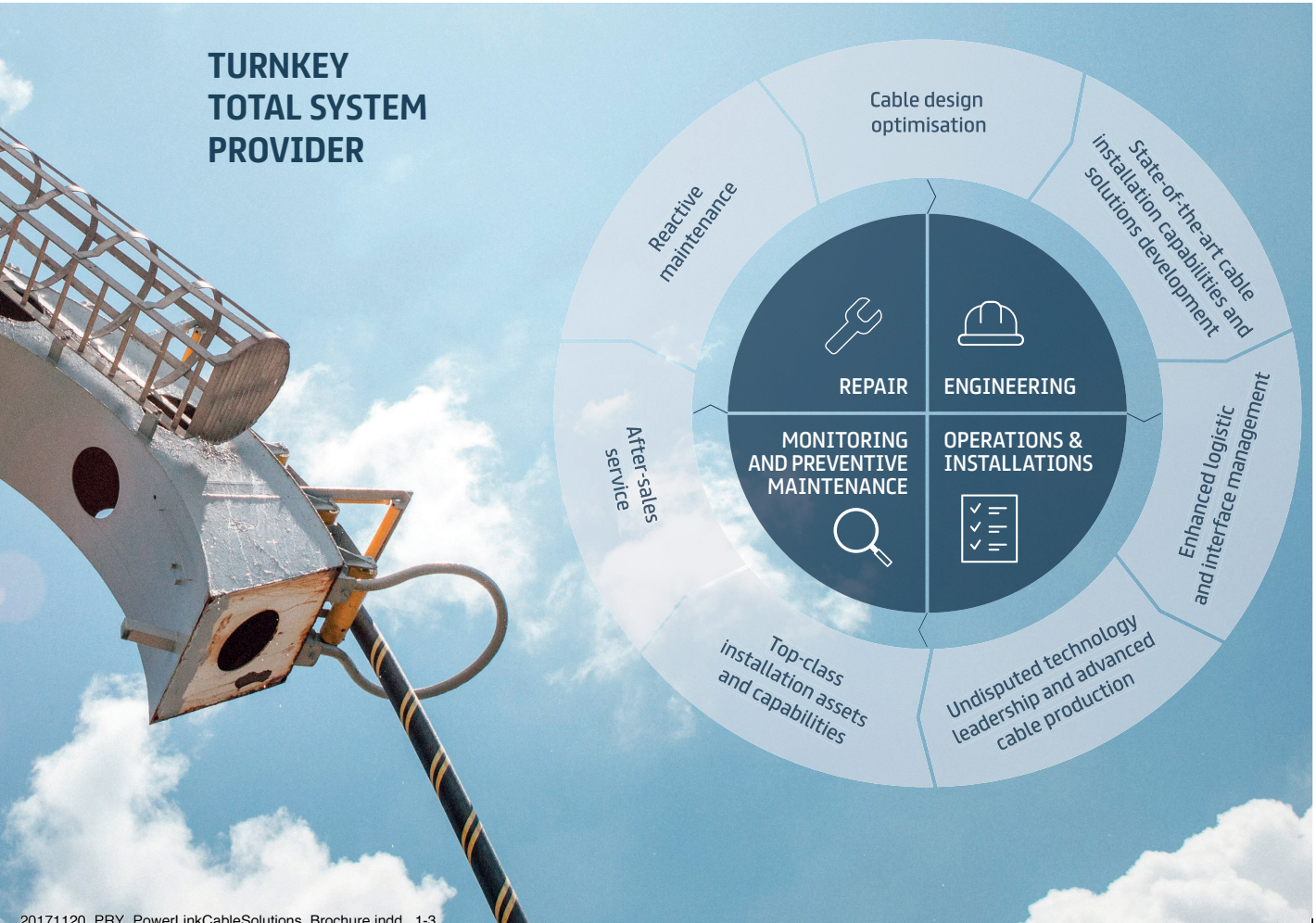
With nearly 140 years of experience, 82 factories, 17 R&D centres, and 21,000 employees in 50 countries, Prysmian is world leader in the energy and telecom cables and systems industry. And it's the best possible choice for end-to-end solutions for submarine connections.

- Impressive track record in submarine interconnections, 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.
- 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 lowest environmental impact.
- Proximity to customers delivers higher added value.
- First-rate standards of safety, and unparalleled reliability.

PRYSMIAN S.P.A.
Via Chiese 6 - 20126 Milano, Italia
Tel. +39 02 64491

www.prysmiangroup.com

Follow us



POWER LINK
CABLE SOLUTIONS
Always on your business



Prysmian
Group

Prysmian
Group

ALWAYS SWITCHED ON TO YOUR SUBSEA CABLES

The critical role performed by submarine cables in enabling power transmission via subsea interconnectors from offshore wind farms is threatened by an increasing risk of faults. Preventing these kinds of events, and being able to resolve them with as minimal downtime as possible, is crucial to TSO and offshore-facilities operators, who stand to suffer severe losses should cable failures occur.

Prysmian Group has combined **full monitoring capabilities** with **extensive maintenance services** to create a unique and powerful solution. One that provides **complete effective management of subsea cable faults** – from detection to recovery – dramatically lowers downtime and significantly reduces costs.



Power Link Cable Solutions: Unmatched performances

AVERAGE SERVICE LEVEL

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

2010-2017 ca **90 cable faults**
→ over **€350 m** insurance claims

* Source: The International Council on Large Electric Systems
** Source: 4C Offshore

PRYSMIAN POWER LINK CABLE SOLUTIONS

-50% TIME FOR REPAIR AND RECOVERY

Up to **40%** LOSS REDUCTION

Power Link Cable Solutions | Prysmian Group

A TURNKEY SOLUTION TO PROTECT YOUR BUSINESS



Always on your business is the result of the Group's subsea cables know-how, cutting-edge technologies, 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 case of fault 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 faults**. What's more, they are always ready to **react quickly to recover damaged cables** or respond rapidly to any repair requirements you may have.



Less risks. 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 advanced projects. Thanks to its capability to manage all other suppliers and contractors, Prysmian can abate any project risk and ensure efficient, on-time delivery – from start to finish, and beyond.



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. Additional planned and recurring surveys can verify the state of the system and rectify any possible issues that could lead to future cable faults.



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.
- A permanent engineering and offshore installation team ready to take care of the most challenging projects around the world.



Dedicated vessel can be ready on site in 10 days.

Every single day of outage means costly losses. So, reducing downtime is vital.

Prysmian has the power to react promptly, thanks to a dedicated fleet – a semi-mobilised DP vessel and shallow-water barge – permanently on stand-by at its Middlesbrough marine base, located just 2-3 days from all main northern Europe offshore locations.

When a client notifies the Power Link Cable Solutions 24/7 call centre of a fault, Prysmian crews are able to mobilise the DP2 vessel within just 5 days, in order to arrive at the required destination within an additional 2-3 days.


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


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




Power Link Cable Solutions maintenance base

- ↘ Reduces CapEx costs for clients
- ↗ Maximises efficiency and effectiveness of response in case of fault

 **24/7** call centre

 **DP2 vessel**, equipped with cable repair/lay spread for operations in deep water, ready on site in 10 days

 Time taken to reach fault site dramatically slashed. Average ready-on-site time: **50-55 days**