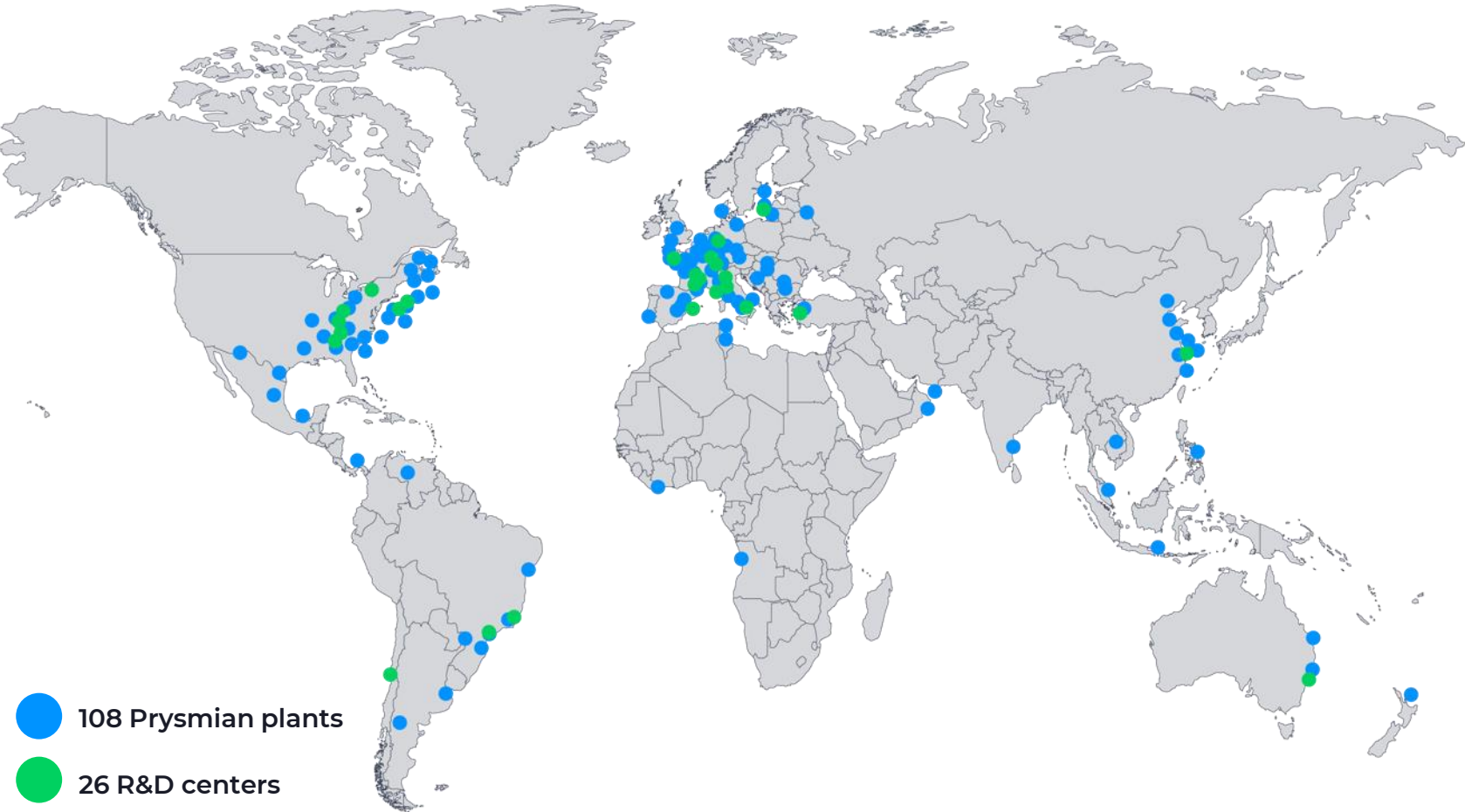


The Planet's Pathway

A company transformed over the last decade



● 108 Pysmian plants
● 26 R&D centers

Data refers to 2023

+50 Countries

108 Plants

26 R&D Centers

+30,000 Employees

+15 €B Annual Sales

Design for Sustainability

GROUP SUSTAINABILITY



Environment



Innovation



Social

Prysmian Group Design 4 Sustainability (D4S)

DRIVING CRITERIA

Carbon Footprint



Kg CO_{2,eq} referred to cable weight cradle to gate approach (*only materials and process contribution*)

Potential Recyclability



Weight of recyclable materials at EOL referred to cable weight (*metals excluded*)

Hazardous Substances



Substances of Very High Concern (SVHC) referred to total cable weight

Recycle Input Rate



Weight of Recycled material used for the cable production referred to the cable weight (*both for plastics and metals*)

Transmission Efficiency



Part of Joule losses during the cable lifetime referred to the transmitted power

Environmental Benefits



Related to the cable final application (*low carbon products enabling energy transition*) and safety in use

INNOVATION WORKSTREAMS

P-LASER



Recycle r-PE



Recycle Cu/Al



Elimination SF₆



Alesea



E3X®



Green Packaging



Bio Materials



Sirocco® Microduct



Challenges of Today

Productivity and Safety is KEY

- Minimizing downtimes of crane operation
- Increasing throughput
- Ensuring faster and trouble-free container load/unload
- Achieving accident/fatality-free operation
- Reducing the number of people on site
- Increasing the level of automation
- Environmentally friendly port operation



What are the consequences for the main power supply cables?

- ✓ Faster – Greater – Broader and operating at specification limits means increased stress for the cable
- ✓ Shrinking tolerance to handle stress peaks caused by installation failures, incorrect machine set up or insufficient maintenance
- ✓ Lifetime shortage

Prysmian Offer to Your Port

- ★ MV/LV Reeling
- ★ Vertical Reeling
- ★ Basket Operation
- ★ Festoon Operation
- ★ Chain operation
- ★ On Shore Power





CORDAFLEX(SMK-200)



Made for reeling operations with **moderate** mechanical stresses

Flexible – Optimized – Easy – Robust - Reliable



CORDAFLEX(SMK)



Made for reeling operations with **high to highest** mechanical stresses

Super flexible – High Tension – Outstanding Performance





PROTOLON(SMK-200)	PROTOLON(SMK)	PROTOLON(SMK+HS)	PROTOLON(iQ)
 	 	 	 
<p>Made for reeling operations with moderate mechanical stresses</p>	<p>Made for reeling operations with high to highest mechanical stresses</p>	<p>Made for High speed reeling operations</p>	<p>Made for Permanent Monitoring of reeling operations</p>

Evolution of technical demands

Service & Harnessing

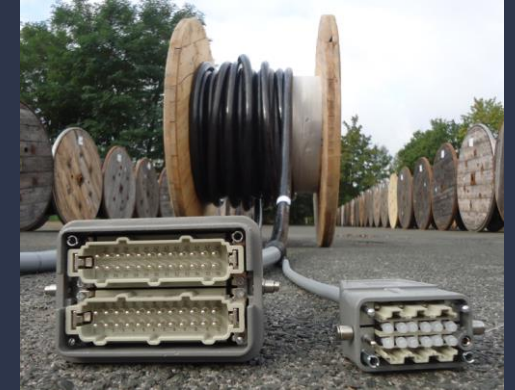
- 1-66kV AC harnessing and terminations
- FO terminations with all connector types
- Tailormade solutions
- In-house and on-site assembly
- Cable repair and splice technics
- Repair kits
- Measurement and testing



MV termination



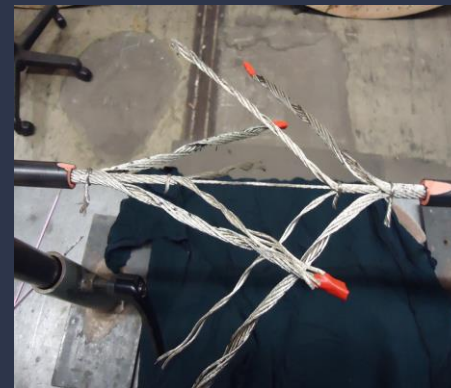
MV termination



LV termination plus FO



Damaged cable



Conductor splicing



Repaired cable – fit for use

THE NEW BRAND

is **special**

HIGH END state of the art product solutions able to cover applications and environmental conditions with **HIGH** to **VERY HIGH** stresses. With **SPECIAL** features like e.g. multiple elements and/or higher tensile strength.

is an **expert**

HIGH END state of the art product solutions able to cover applications and environmental conditions with **HIGH to VERY HIGH** stresses.

is **smart**

STATE OF THE ART reduced to the MAX product solutions able to cover applications and environmental conditions with **MODERATE to HIGH** stresses.

Trusted by the Industry

We have been serving the Port industry for more than 30 Years.

Building trust with various partners with our Reliable cables.





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