

# LINKING PEOPLE, PLACES, PROJECTS AND PASSION

A journey through the Prysmian Group







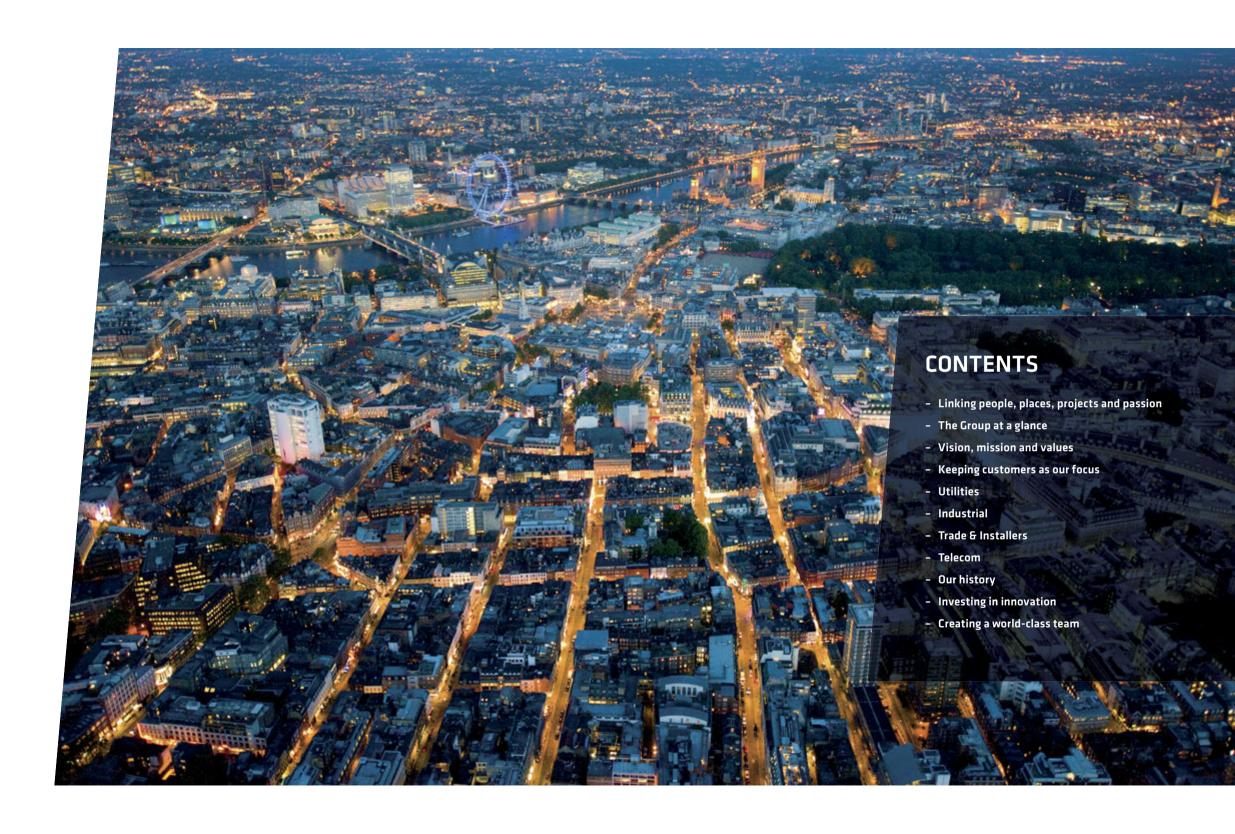
# LINKING PEOPLE, PLACES, PROJECTS AND PASSION

"The Prysmian Group is committed to helping customers achieve sustainable growth and creating value for stakeholders. With worldwide reach, we support our partners by attaining the highest standards in the industry. We achieve this by remaining true to our mission of providing superior cable solutions based on state-of-the-art technology and consistent excellence in execution."

# Valerio Battista Chief Executive Officer, Prysmian Group







# CONNECTING ENERGY AND INFORMATION TO GLOBAL GROWTH

Prysmian Group is the world leader in the energy and telecom cables and systems industry.

With over 130 years' experience and a presence in more than 50 countries, and with around 22,000 people and 97 plants, the Group is strongly positioned at the high-tech end of the energy and telecom cable sectors.

The Group was created through the union of Prysmian and Draka, already leaders in their markets for innovation and technological know-how. We are combining the strengths of both and achieving increased investment potential and geographical coverage, as well as offering the most extensive range of products, services, technologies and know-how available on the market.

With a turnover of more than €8m, Prysmian Group is listed on the Milan Stock Exchange in its blue-chip index. Being a public company, the Group is particularly focused on creating value for its stakeholders and having a transparent relationship with them



# ONE COMPANY, ONE MISSION TWO COMMERCIAL BRANDS.

# **SHARING OUR VISION, MISSION AND VALUES**

As the worldwide leader in the cable industry, and as a major public company with truly global reach, we embrace our responsibility to be both transparent and consistent in the way we work. How we do this is defined by our brand and the vision, mission and values that underpin it.

# **OUR VISION, MISSION AND VALUES**

The Prysmian Group's vision and mission provide the fundamental focus of all that we do.

Our shared values define our commitment to our customers and our work – enabling our customers to bring their services to homes, businesses, cities and entire countries.

## Our vision

We believe in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities.

### Our mission

We provide our customers around the world with superior cable solutions based on state-of-the-art technology and consistent excellence in execution, ultimately delivering sustainable growth and profit.

## Our values

**Excellence** – every day, we relentlessly pursue excellence in all we do.

Understanding – we listen closely to our customers to really understand their needs.

Integrity – we uphold the highest standards of integrity in our actions.





# **KEEPING CUSTOMERS AS OUR FOCUS**

The Group has established strong relationships with the major global players in each of the industries in which it operates, often delivering projects designed to specific customer requirements.

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Customer centricity, defined as the ability to anticipate and quickly meet customer needs, is a hallmark of the Group's activities and is reflected in its constant presence, from product design through to delivery, and provision of a level of service in line with customer expectations which are constantly monitored using specific, agreed parameters.

Prysmian Group is able to develop solutions that not only meet specific standards but also satisfy precise customer requirements. This is achieved by having a fast, smooth organisation throughout the supply chain, capable of speeding-up decision-making and time to market by adapting itself to the demands of the various industries and continuously investing in innovation.

The Group is always raising the bar, with the aim of being a benchmark in terms of quality of service, speed and flexibility.

# SUPPORTING THE SUSTAINABLE DEVELOPMENT OF THE WORLD'S UTILITY GRIDS

Across the world, the Group's cable solutions are helping utilities transmit and distribute power. Unmatched in our manufacturing capabilities and with an unwavering commitment to R&D, we design, produce and install low, medium, high and extra-high voltage submarine and underground cables and systems, along with network components and value-added engineering services.

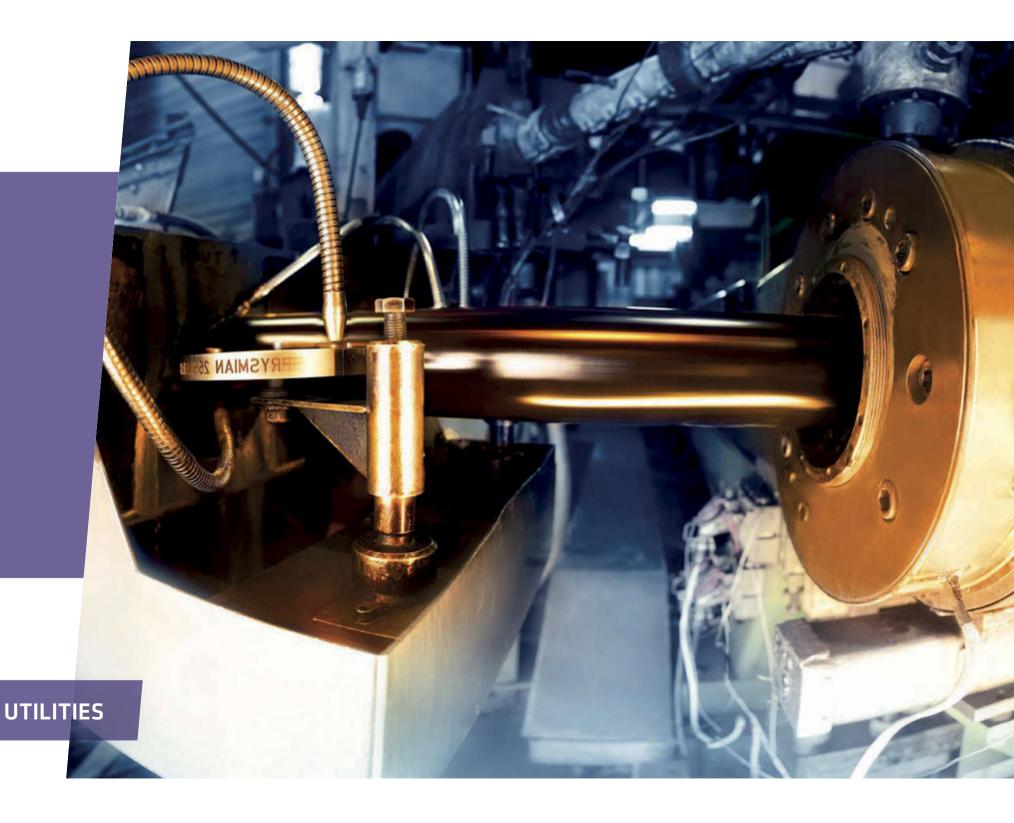
From Asia-Pacific to the Americas, and from Europe to the Middle East and Africa, Prysmian cable solutions underpin the development of power grids worldwide, helping major utilities in transmitting and distributing power to their customers.

Always aware of the need to minimise our impact on the planet, we're constantly driving innovation in our industry, aiming to optimise supply chain processes, reduce total cost of ownership for our customers and help them achieve sustainable, profitable growth.









# Neptune New Jersey - Long Island Cometa Spain - Morocco 300kV - 230km cable MON.ITA. Westernlink Scotland - England **Trans Bay** San Francisco - Pittsburg 200kV - 85km cable Hudson New Jersey - New York 345kV – 13km cable Spain - Morocco II Spain - Morocco 400kV - 28km cable

SA.PE.I. Italy - Sardinia 500kV - 430km cable

Montenegro - Italy 500kV - 400km cable

> Italy - Greece Italy - Greece

**Dardanelles Project** Turkey 380kV – 4km cable

GCCIA Saudi Arabia – Bahrain 400kV – 40km cable

Basslink Victoria - Tasmania 400kV - 300km cable

Submarine cable projects

**Doha Bay Crossing** 400kV - 10km cable

Messina II Italy - Sicily 400kV - 44km cable

# LINKING NATIONS BELOW THE WAVES

With a history stretching back over a of energy sources.

Across the United States we are bringing overall reliability of the cities' power

by an insulated cable, and a rating of

world: from the Middle East, with the first the Basslink interconnection with







# **KEEPING THE WHEELS OF INDUSTRY TURNING**

# Renewable energy

To meet an ever-growing need for power, the world is increasingly turning to renewable and sustainably sourced wind, wave and solar energy. In response to this demand, our cables are helping businesses in the renewable industry around the globe convert these new opportunities into reality.

# Oil and gas

From drilling, extraction and storage equipment to platform and processing facilities operation, our state-of-the-art cable systems and Subsea Umbilicals, Risers and Flowlines (SURF) support many major customers in the oil, gas and

## Specialties and OEM

heavy-duty industries such as mining, tunnel drilling, cranes, nuclear power and defence, our specialist

cable solutions sit at the heart of significant international projects, supporting the work of major customers and the development of economies, with high-performing, durable and safe technology.

# Transport

We have world-leading experience in the support of the automotive, rolling-stock, marine and aviation industries, bringing innovative cable technologies together to meet the stringent demands of customers across the planet.

## Elevator

For more than 35 years, we have built a global petrochemical industry, along with related businesses. reputation for providing quality elevator products including travelling and hoistway cables, trough, wire rope, and accessories. The division offers extensive On every continent, in applications that range from inventory through a global manufacturing and distribution network, backed by the logistic expertise needed to ensure optimal elevator operation.











# LINKING GROWTH TO SUSTAINABILITY

Offshore wind farm cable projects







33kV 3x300mm<sup>2</sup> 25km

132kV 3x800mm<sup>2</sup> - 160km

132kV and 33kV various sizes - 46km

33kV various sizes – 27km 132kV 3x800mm<sup>2</sup> - 43km

132kV 3x300mm<sup>2</sup> 28km

33kV various sizes – 65km 132kV 3x630mm<sup>2</sup> and 3x1,000mm<sup>2</sup> - 51km

132kV 3x240mm<sup>2</sup> - 54km

33kV various sizes – 76km

110kV 3x240mm<sup>2</sup> - 66km

± 300kV DC various sizes – 125km + 75km 155kV AC 3x800mm<sup>2</sup> - 39km

± 250kV DC various sizes -85km + 45km 155kV AC 3x300mm<sup>2</sup> - 42km

± 320kV DC - 85km + 45km

± 320kV DC various sizes -159km + 45km

132kV 3x760mm<sup>2</sup> - 21km

# TACKLING THE PLANET'S HARSHEST ENVIRONMENTS

Whether they're deployed in Brazil, the Gulf of Mexico, the North Sea or South-East Asia, our products lie at the core of major worldwide development projects in the OG&P industry.

In Brazil, with Petrobras as its main customer, the Group has taken part in several projects designing and supplying high-tech flexible tubes and pipes for offshore oil extraction, reaching 5,000m below the surface.

The addition of flexible pipes to our production of umbilicals has enabled us to offer a comprehensive range of SURF products (Subsea Umbilicals, Risers and Flowlines) to the OG&P industry. In order to enter this new sector, we have made a significant investment, building a new plant in Brazil stretching over 15,000m² and capable of producing more than 150km of flexible pipes every year.

Oil & Gas cable projects





Offshore oil extraction reaching up to 5,000m below the seas

Capacity to produce more than 150km of flexible pipes every year

New production facility in Brazil covers over 15,000m<sup>2</sup>

# POWERING STATE-OF-THE-ART CONSTRUCTION

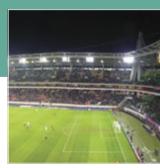
From stunning resorts to residential and commercial properties, the Group' low-voltage cables and building wires, including low-smoke, zero-halogen (LSOH) and fire-resistant cabling, set new standards in distributing power throughout premises of all types on every continent.

Working in support of both distributors and installers, our cables, notable for their high-performance, safety and compliance with strict international standards are found in many state-of-the-art developments of global significance.

A continuous commitment to driving innovation and raising safety standards means we enable our trade customers to differentiate themselves in their markets, passing on greater value to their customers and building a sustainable, profitable future for themselves.









# **TAKING SAFETY TO NEW HEIGHTS**

The Group has installed fire-resistant and LSOH cables all over the world in prestigious, densely populated buildings, where safety is of fundamental importance in the event of fire.

At the Burj Khalifa in Dubai, Prysmian Group has taken safety on each of its 162 floors to new heights. The length of the fire resistant cables, fitted with over 700,000 fire-resistant accessories, is over 1,300 times the height of the tower. The Group has also supplied specially engineered cables to support the performance of elevators within the building that are among the world's fastest.

We have also supplied approximately 350km of high-tech fire-resistant cables for power distribution within the Shard skyscraper, the tallest building in London and Western Europe. Among other installations many stand out, including the Guggenheim Museum in Bilbao, Centre Court at Wimbledon and the Marina Bay Sands in Singapore, the most luxurious casino and hotel ever built and one of the most challenging construction projects ever.

Construction cable projects



Guggenheim Museum, The Shard, Bilbao



London



Centre Court, Wimbledon



Marina Bay Sands, Singapore

# LINKING COMMUNICATIONS TO COMMUNITIES

The Prysmian Group's cable solutions are designed to support the development of the world's telecoms infrastructure.

As the world's largest producer of telecoms cables, supporting the infrastructures of many of the world's leading telecoms operators, the Prysmian Group delivers optical fibre and copper cabling solutions that help link communications to communities around the globe.

Our Telecoms business is made up of three business units – Telecom Solutions, Optical Fibre and Multimedia Solutions (MMS).

## **Telecoms Solutions**

This business covers the main product sectors of optical cable, (for land, overhead and sub-aqueous applications), copper multipair telecom cable (including xDSL technologies) and a full range of optical passive connectivity solutions.

For optical cable Prysmian Group is the world leader in terms of market share and is a main supplier to many of the world's leading telecom operators in Europe, the Americas and the Asian regions including Australia. Similarly, we are one of the world leaders in the supply of copper telecom cable, with the global capability to meet the requirements of major operators in all continents.

In addition to the supply of high-volume cable, generally to national and international specifications, the company has developed a unique range of optical systems – under the xsNET

brand – which addresses the particular requirements of the 'last mile', access network. The FTTH market is currently growing rapidly in line with the growth in broadband demand – driven by the current explosion in high bandwidth services and the need to provide more and more megabits to the end user.

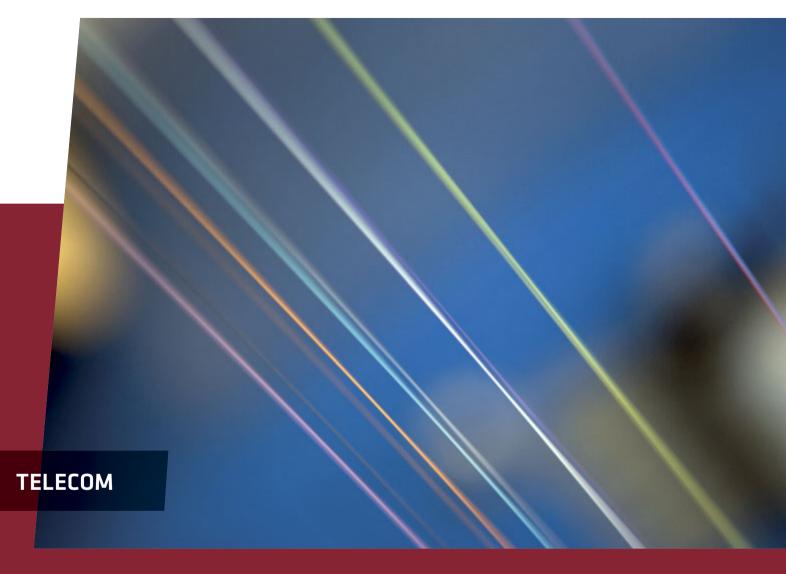
# Optical fibre

Prysmian Group is also a world leader in this highly specialised field. With production based in Europe, North and South America and using the most sophisticated manufacturing processes, including PCVD (Plasma-activated Chemical Vapor Deposition) and OVD (Outside Vapor Deposition), Prysmian Group is able to supply a wide range of fibre types to suit every application – single-mode, multimode and fibres for special applications.

## MultiMedia Solutions

The cables produced within the Telecom Solutions business are generally for application at national or regional telecom operator level. However, we also produce optical and copper cables for use in other applications, such as studio cables for radio, TV and film; signalling cables for railway network systems; coaxial RF cables; connections between base station and antenna in mobile networks; copper and fibre cables for short/medium distance applications in offices and data centres etc.

All of these types of cable design – and more – are produced within the MultiMedia Solutions (MMS) business unit.









# TELECOMS TECHNOLOGY FOR A CHANGING WORLD

cross the world, economic growth, entertainment, employment, e-learning and e-health depend more and more on fibre networks. Broadband is creating we lifestyle choices and stimulating economies everywhere. Governments and investors are increasingly discovering that access to fast communication etworks is vital to homes and businesses in rural and urban communities.

Responding to this demand, Prysmian Group is introducing new cabling technologies that deliver information wherever it's required, connecting communities, countries and continents more closely than ever before.

notable example involves our work with the Australian Government as it is investing in the creation of a Fibre-to-the-Premises network, connecting 3% of Australia's residential and business premises with optical fibre.

After being selected by NBN Co Limited (National Broadband Network), Prysmian Group has partnered the Australian Government in achieving this rision, playing an integral role in the largest national building infrastructure project in Australia's history. The Group contributes through the provision of a wide range of ribbon and multi-fibre, termite resistant, rodent-proof and high strength communication cables.

Customised wires and cabling for CryoSat observation satellite

Optical fibre cables for CERN's Large Hadron Collider

Partnering Verizon in the development of a pan-US FTTH network

Telecom cable projects





With over 130 years of combined experience, Prysmian and Draka have a long history and have both always been at the forefront of striving to meet evolving customer needs. The history of our business charts the history of the cable industry itself, marked by many major milestones along the way, which cement our reputation as an early adopter and industry pioneer.

At the beginning of the 20th century, Prysmian's predecessor established itself on the international stage through involvement in major projects such as the laying of 5,150km of transatlantic telegraph cable between Italy and the American continent, the connection between northern Africa and Brazil, and the reinstatement of the submarine telephone line between Italy and Brazil. During the same period, Draka's predecessor was founded in 1910.

Enlargement of the product range and the opening of new manufacturing facilities in strategic markets such as Spain, the UK, North America, Argentina and Brazil resulted in significant organic

growth of both companies between 1900 and 1950. In 1970, a major milestone in the history of Draka occurred, as it was acquired by Philips N.V. and became part of the Wire & Cable division.

With Draka then once again becoming independent, in order to expand their commercial and industrial activities, both companies embarked on acquisition campaigns in the 1990s, followed by radical restructuring processes. Prysmian became a listed company in 2007, with shares quoted in the Blue Chip segment of the Milan Stock Market, and a genuine public company in 2010. The assets and know-how amassed in more than a century of history allowed the new business to embark on a drive for growth in high value-added markets and businesses.

The 2011 merger of Prysmian and Draka, and the combination of the two market-leading companies, culminated in the business we know today, the Prysmian Group.









# A COMMITMENT TO INNOVATION

We have always placed critical importance on research and development in meeting and exceeding the needs of our customers. We have 17 R&D centres of excellence around the world, employing around 600 skilled professionals and having more than 5,000 patents granted or filed.

# Research & Development capabilities

- Innovation, basic researd
- Concept identification (process, materials, products, compounds, IT systems)
- Product feasibilit
- Prototype realisation
- Industrialisatio
- Product range evolution/development
- Network diagnosis
- EMF protection
- International Standardisation Groups

Dur far-reaching capabilities, global R&D footprint and continuous investment in innovation demonstrates both a commitment to our customers today and a focus on success long into the future.











17 R&D centres

600 professionals

>5,000 patents

P-Laser eco-sustainable power distribution cable for the utilities sector, developed and produced using innovative technology, has revolutionary high-performance insulation using fully recyclable thermoplastic materials.

Afumex Green, the world's first ecological cable for use in the building industry, replaces part of the petroleum-derived polymer with green polyethylene, a 100% renewable material obtained from sugar cane.

# A PASSION FOR THE PLANET







Acting as a responsible corporate organisation is fundamental to the Group's operations. We're continually investing in sustainable products and looking to increase the number of our plants that carry environmental and safety certifications, such as ISO 14001 and OHSAS 18001.

We're fully committed to working in a way that minimises our impact on the environment, with formalised testing and reporting systems for the energy and water we consume in our production and delivery processes – as well as the quantity of hazardous waste we produce.

With the aim of clearly stating the importance we place on social responsibility, the Group guarantees an account of its ethical and socioeconomic performance with the production of an annual Sustainability Report, inspired by the Global Reporting Initiative's internationally recognised G3 Guidelines for sustainability reporting.

This represents an important step in improving our performance in the Corporate Social Responsibility field, in line with the Group's status as a public company.

The Group also recognises its social responsibility by supporting public interest projects. These initiatives vary in nature and extent, and range from support for cultural and training schemes to the building of infrastructure.

Included among those are the promotion of clean energy alongside 'Friends of the Supergrid' and 'Medgrid'; support for FORCE in the world's largest tidal power generation project; partnership with Worldskills as it promotes education and training in developing countries; and close collaboration with the UMAN Foundation, which is furthering creative innovation in Italy.

In the context of the on-going ISO 14001 certification program, at the end of 2011 the certified units accounted for about 80% of the Prysmian production facilities.



At the end of 2011 about 40% of facilities had obtained the certification against the OHSAS 18001 international standard.



# A BELIEF IN OUR PEOPLE

The Group relies on the expertise of its 22,000 people to provide solutions and services that deliver value to major commercial customers involved in projects on every continent.

Recognising that they're our most valuable asset, we're continuously investing in our people, ensuring that our organisational needs match their individual skills, capabilities and expectations.

In doing so, we're constantly developing and enhancing a team capable of working in close proximity to customers worldwide, meeting and often exceeding their needs.

We view the quality of our human resource management as fundamental to the success of our business.

HUMAN CAPITAL MANAGEMENT









# GRADUATE PROGRAMME

To attract high potential graduates and develop them for future managerial and high technical responsibilities.

# GROUP ACADEMY

To transfer the technical know-how, enhance expertise and to develop managerial skills of our employees.

# PERFORMANCE MANAGEMENT

To assess our employees on Leadership & Achievements using a global approach.

# TALENT MANAGEMENT

To discover, manage and retain talent, and to ensure accurate succession planning.

# **GETTING IN TOUCH**

The Prysmian Group's global operations involve the lives, projects and objectives of customers and stakeholders around the world.

If you have any questions or would like further information on our projects, products and services, or if you would like to discuss a potential initiative you feel we could help with, please don't hesitate to contact us.

We're always ready to do what we can to meet and exceed the requirements of our stakeholders, wherever and whenever they need us.

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www.prysmiangroup.com







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