The **Energy Projects Operating Segment** covers high-tech and high value-added businesses whose focus is on projects and their execution, as well as on product customisation: High Voltage underground, Submarine and SURF (umbilical cables, flexible pipes and special DHT (Downhole Technology) cables for the oil industry).

- Prysmian engineers, manufactures and installs high and extra high voltage cables for *underground and submarine power transmission* directly from power stations to the primary distribution networks. Through Prysmian PowerLink S.r.l., the Group develops the most advanced "turnkey" submarine cable systems for installation at depths of up to 2,000 metres, possible thanks to the "Giulio Verne", one of the largest and most technologically advanced cable-laying ships in the world. Prysmian also offers advanced services for the construction of submarine power lines for offshore wind farms, ranging from project management to cable installation with the assistance of the "Cable Enterprise", its other cable-laying ship. The Group's technological solutions for this business cover wind turbine, inter-array and export cables.
- The Group also offers a full range of SURF (Subsea Umbilical, Riser and Flowline) products and services for offshore exploration activities by the oil industry. The product range includes multipurpose umbilical cables for transporting energy, telecommunications, fluids and chemicals; high-tech flexible pipes and ducting for offshore oil extraction; special DHT cables, which include cables to control downhole instrumentation, power cables and hydraulic fluid cables.

The **Energy Products Operating Segment** covers the businesses offering a complete and innovative product portfolio designed to meet the various and many demands of the market: Energy & Infrastructure, (including Power Distribution and Trade & Installers) and Industrial & Network Components (comprising Specialties & OEM, Oil & Gas, Elevators, Automotive and Network Components).

- In the field of power transmission and distribution, the Group manufactures medium voltage cables and systems to connect industrial and residential buildings to primary distribution grids and low voltage ones for power distribution and the wiring of buildings. Prysmian solutions are developed to support utilities and grid operators, industrial companies, installers and wholesalers in the electricity sector. In particular, the products made for the Trade & Installers market include cables and systems for distributors and installers for the wiring of buildings and distribution of power to or within commercial and residential structures. Fire-resistant and low smoke halogen-free cables complete one of the widest and most comprehensive product ranges in the world.
- The Group's offer of integrated cabling solutions for the Industrial market constitutes the most comprehensive and technologically advanced response to the needs of a wide variety of industries. For the Specialties and OEM business, Prysmian offers cable systems for various specific industrial applications such as trains, aircraft, ships, port systems, cranes, mines, the nuclear industry, defence, the electro-medical sector and renewable energy. Products for the petrochemicals market include power, instrumentation and control cables used in the various activities of exploration, production, processing and storage. Other solutions are produced for the elevator market, such as flexible connectorised cables and hoistway cables, and for the automotive industry, in which the Group collaborates with the sector's leading international manufacturers. The product range is completed with network accessories and components to connect cables and other network elements.

The **Telecom Operating Segment** is engaged in the manufacture of cable systems and connectivity products used in telecommunication networks. The product portfolio includes optical fibre, optical cables, connectivity components and accessories, OPGW (Optical Ground Wire) and copper cables.

With centres of excellence in Battipaglia (Italy), Eindhoven (the Netherlands) and Douvrin (France), and 5 production sites around the world, Prysmian Group is one of the leading manufacturers of the core component of every type of optical cable: *optical fibre*. A wide range of optical fibres is designed and made to cater to the broadest possible spectrum of customer applications, including single-mode, multimode and specialty fibres. The Group also has at its disposal every currently available technology for the manufacture of optical fibre, allowing it to achieve optimal solutions for the different applications.

Optical fibres are employed in the production of a wide range of standard optical cables or those specifically designed for challenging or inaccessible environments, from underground ducts to overhead electricity lines, from road and rail tunnels to gas and sewerage networks.

Prysmian Group also supplies passive connectivity solutions that ensure efficient management of optical fibre within networks. Growing demand for higher bandwidth has seen the deployment of optical fibre moving closer to the end user. The Group is extremely active in this rapidly growing sector of the market, known as FTTx, where its approach is based on combining existing technologies with innovative, new solutions allowing fibres to be deployed in high-rise buildings and multi-dwelling units. Many of the cables used in FTTx systems feature Prysmian's bend-insensitive Bend-Brightxs optical fibre, which has been specially developed for this application.

Prysmian Group also produces a wide range of copper cables for underground and overhead cabling solutions and for residential as well as commercial buildings. The product portfolio comprises cables of different capacity, including broadband xDSL cables and those designed for high transmission, low interference and electromagnetic compatibility.

The Group also produces cable solutions serving communication needs in infrastructure, industry and transport, for a diverse range of applications: cables for television and film studios, cables for rail networks such as underground cables for long-distance telecommunications, light-signalling cables and cables for track switching devices, as well as cables for mobile telecommunications antennae and for communication networks.