

Prysmian's Specialties and OEM business offers cable systems for many specific industrial applications such as trains, aircraft, ships, harbours, cranes, mines, the nuclear industry, defence, the electro-medical sector and renewable energy. Other solutions serve the elevator market, such as flexible connectorised cables and hoistway cables, and the automotive industry, in which the Group is partner to leading international carmakers. The product range is completed with network accessories and components for connecting cables and other network elements.

The **OIL&GAS Operating Segment** encompasses Downhole Technology products, SURF and Core Cables for applications in the fields of Exploration & Production, Pipeline & LNG and Refineries & Petrochemicals.

- The Group's Downhole Technology (DHT) business offers tech-driven products for oil, geothermal and gas wells serving as integral components of downhole control, injection, flow assurance and monitoring systems and including latest-generation TEC (Tubing Encapsulated Cable), specialty tubing and specialty optical fibre sensing cable. Completing the offer is a wide range of protectors and the patented Safety-Strip® technology allowing faster, safer installation of jointing and termination devices.
- The Group offers products and services, known in the market as "SURF" (Subsea Umbilical, Riser and Flowline), for offshore oil & gas exploration and production activities. The range covers: multipurpose umbilical cables for transporting power, data and communications, fluids and chemicals; flexible pipes for offshore oil extraction, accessories and installation and maintenance services.
- The Group's Core Cables product line includes power, instrumentation, control and communication cable solutions specifically designed for applications in the fields of Exploration & Production, Pipeline & LNG and Refinery & Petrochemicals. Completing the range is a series of specific solutions for drilling rigs, which include cables for Electrical Submersible Pumps (ESP) and preassembled systems to power vertical traction installations.

The **Telecom Operating Segment** makes 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), Claremont (USA), Douvrin (France), Eindhoven (the Netherlands) and Sorocaba (Brazil), 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 BendBright<sup>xs</sup> 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.