

PRYSMIAN BRINGS OPTICAL FIBRE TO SMART GRIDS

NEW TECHNOLOGIES TO SUPPORT EFFICIENCY AND SUSTAINABILITY OF POWER GRIDS

THE GROUP PRESENTS TOMORROW ITS INNOVATIVE SOLUTIONS AT THE CONFERENCE "FTTX AND THE SMART CITY: TECHNOLOGICAL INNOVATION AT THE SERVICE OF CITIES!"

Milan, 6 October 2014. Prysmian Group, world leader in the energy and telecom cables and systems industry, brings optical fibre to Smart Grids to guarantee sustainable, economic and reliable electricity supply and data transmission. In this way power grids will be able to achieve a synergistic and smart fusion between the actions of all their users, both producers and consumers.

The Group, an active partner of Utilities in developing connections for the world's most important energy production and distribution projects, strengthens its commitment to smart grid development by going beyond the traditional cable concept and providing innovative fibre solutions that satisfy new grid requirements in terms of renewable energy, energy efficiency and environmental impact reduction.

"In the telecommunications sector technological innovation always goes hand in hand with innovation in materials and production techniques, which it often anticipates" said Alessandro Pirri, Connectivity Director Telecom Business - Prysmian Group. "Today, the Smart Cities project requires a high degree of innovation but also clear rules for coordinated development of infrastructures, materials and services; cables and smart monitoring instruments are a key part of this modernisation process to ensure better use of electricity grids and greater environmental sustainability."

The Group has studied and developed a range of innovative fibre solutions to improve grid security and efficiency, by ensuring proper operation in all circumstances and conditions and thus preventing possible black-outs, failures and damages. This is the case, for example, of bend-insensitive optical fibre (BendBright^{XS}), and Retractable Solutions, with an indoor version, called VertiCasa^{XS}, and an outdoor version, known as RetractaNet^{XS}. These solutions represent a major innovation because they improve the total cost of grid ownership, by reducing construction and maintenance costs. Another advantage is that they greatly simplify the planning process for the installer, who no longer has to carry out long and expensive preliminary surveys of the prospective building site. More compact cables, for use in network ducts already used by telecom operators and installed with simpler techniques, also allow savings in the amount of material consumed.

These solutions have been deployed in different geographical areas around the world: in France, for example, Fibre-To-The-Home in urban areas has been mostly developed using VertiCasa^{XS}, while in the Netherlands, RetractaNet^{XS} has been installed in low density urban areas.

Prysmian will present its Smart Grid offer during the conference "FTTX AND THE SMART CITY: TECHNOLOGICAL INNOVATION AT THE SERVICE OF CITIES", organised in collaboration with IATT (Italian Association for Trenchless Technology), with the aim of providing an overview of these innovative solutions for the development of optical fibre networks and at the same time of illustrating the national and European regulatory framework and the volume of investments expected in this sector. This event will take place on Tuesday 7 October 2014 at Palazzo Turati, Via Meravigli 9/B, Milan. For more information please visit the websites www.iatt.it and www.prysmiangroup.it.

Prysmian Group

Prysmian Group is world leader in the energy and telecom cables and systems industry. With more than 130 years of experience, sales of €7 billion in 2013, about 19,000 employees across 50 countries and 91 plants, the Group is strongly positioned in high-tech markets and offers the widest range of products, services, technologies and know-how. In the Energy sector, Prysmian Group operates in the business of underground and submarine power transmission cables and systems,

special cables for applications in many different industrial sectors and medium and low voltage cables for the construction and infrastructure industry. In the Telecom sector, the Group manufactures cables and accessories for the voice, video and data transmission industry, offering a complete range of optical fibres, optical and copper cables and connectivity systems. Prysmian is a public company, listed on the Milan Stock Exchange in the FTSE MIB index.

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