

Nexans



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At the core of a sustainable future



# Sustainable development: a vehicle for progress



**Frédéric Vincent**  
Chairman and CEO

“Access to energy is necessary for worldwide development and quality of life. The rise in population, urbanization, industrialization and economic growth experienced by many countries will cause global energy consumption to double by the year 2030. Meeting this very high demand, while at the same time avoiding waste and controlling the impact it has on the environment, is a major challenge. It means accessing deeper

deposits, promoting access to energy, making energy supplies more reliable, securing electricity flows, optimizing energy infrastructure and telecommunications networks, and developing sources of renewable energy. Nexans sees this as an opportunity to help its customers face these challenges by providing them with safer, higher-performance products and solutions which are more respectful of the environment.”

# The challenge of sustainable growth...



The fact that the earth has been able to more than double its inhabitants during the past half century is largely due to innovative technologies which manage to do more with less to feed, house and provide services for greater numbers of people, especially in emerging economies.



Supergrids, automation, post-Panamax container ships, high-speed trains, and the Internet are all signs of this multifaceted technological revolution. It is not an accident that all of them rely heavily on cables and cabling solutions providing vital energy and telecommunications.



According to a recent UN report, Rethinking Poverty, a quarter of the world's seven billion people still lack adequate social, educational and economic opportunities. Meanwhile the environment and natural resources on which our future depends need conservation and careful management. This includes saving energy, reducing waste, and recycling scrap materials – especially metals – for further productive use.

That is why sustainable development has been a key goal of governments and industry to ensure that much-needed growth can continue unimpeded, while protecting the environment, society, and the economy.

## **As a customer, you would like to:**

- Reduce impact in terms of waste and hazardous substances
- Anticipate regulators' expectations and meet eco-design standards
- Provide environmental information to customers
- Ensure high performance during operational life and easy recycling
- Lower operating costs through energy efficiency
- Incorporate innovations to constantly improve designs and materials



## ...requires Nexans' technical performance

Because sustainability applies to nearly every aspect of modern life, it also applies to Nexans broad market segments. All of them depend greatly on cables and cabling solutions, and each sees sustainability from its own viewpoint.

Aircraft, automotive and rolling stock manufacturers are looking for ways to save weight, since lighter vehicles mean less energy consumption. Urban transit wants to move more passengers faster and more safely using advanced train

control. Shipbuilders would like to reduce their carbon footprint, reinforce safety onboard, and operate in extreme conditions. Port authorities are demanding shore-to-ship power to reduce pollution. Airports are anxious to assure high levels of public safety and security, while upgrading data networks to facilitate ticketing and passenger processing.

Meanwhile, resource industries want to make sure the environment is protected during mining operations and the extraction and transport

of hydrocarbons. Automation and material handling need higher operating speeds for robots, cranes and equipment. Energy producers want environmentally-safe generation, and utilities need to prevent blackouts, enhance transmission/distribution, and incorporate green energy sources through smarter grids. Buildings must be healthy, safe and energy-efficient. Datacenters and telecom networks must deliver high data speeds essential to business, modern services, and the quality of life.

### **Nexans contributes to your sustainable development through:**

- Customized designs to meet safety and performance requirements
- Full mastery of energy and telecom, often resulting in hybrid solutions
- Advanced testing and simulation facilities for cables and networks
- Proven track-record in maintenance, seamless upgrades and recycling
- Expertise in standards worldwide, and a local presence for supply
- Life Cycle Analysis to establish your green credibility



# Nexans provides key pieces...



## **Datagreen® cable**

Lighter cables for planes, ships, cars and trucks, reducing fuel consumption and greenhouse gas emissions.

## **SHIPLINK®**

Cable solutions and services bringing safety and reliability onboard for ships and offshore facilities



## **Smart packaging**

Enhanced user-friendliness, contributing to easier installation practices



## **ALSECURE®**

Fire safety cables for sustainable construction, protecting people and assets in case of fire.

## **Renewable energy**

WINDLINK® solutions for wind turbines, and KEYLIOS® solutions for photovoltaic projects.



## **Green Drums**

All new wooden drums in Europe are PEFC™ certified, from sustainably managed forests.

## **HYPRON®**

Lead-free eco-friendly cables for the refinery and petrochemical industries.

...in the sustainable puzzle

**Shore-to-ship power cables**

Hybrid cable to bring power to ships for cleaner ports.



**ICEFLEX™**

Ships operate reliably in extreme conditions, down to -50°C.



**Recycling**

A comprehensive solution for the end-of-life of cables through Recycable facilities.



**Ready-to-install cables**

Pre-cut to length, another way of avoiding waste.

**Superconductivity**

A future solution for megacities, ensuring energy efficiency of the grid.



**Life Cycle Assessment**

Eco-declarations concerning the environmental impact of products.



**Smarter Grids**

Solutions and services to help the deployment of a smarter grid and the optimization of power networks.

**Data Centers**

EMAC (Environmental Monitoring & Access Control) solutions to save 50% of energy consumption.

# Global commitment: From senior management and employees...

**Nexans' Corporate Social Responsibility (CSR) Committee unites a highly committed management team under the personal chairmanship of the CEO. It involves members and representatives of all main departments and two specialized committees concerned with Governance & Social Affairs and Environment & Products to manage sustainable development issues and programs.**

**Global Compact**  
By joining the United Nations Global Compact, Nexans confirms its commitment to adopt sustainable and socially responsible policies and to report on their implementation. This includes support and implementation of ten fundamental principles in the areas of human rights, labor, the environment and anti-corruption.



**Code of Ethics**  
Nexans success is founded on rigorous ethical principles. Our Code of Ethics and Business Conduct helps all Nexans employees to ensure that their daily actions on behalf of the Group are beyond reproach. When it comes to "Product Responsibility," we are committed to developing cabling solutions that "contribute to preserving the environment and saving energy."

**Sharing skills and knowledge**  
Being a Nexans employee means adhering to a mindset exemplified by autonomous action, group initiative, innovation and knowledge-sharing. Seminars and working sessions of the Nexans University aim at transferring know-how, sharing best practices and promoting personal development. We also encourage diversity, equal opportunity and job mobility.

**Local communities: protecting heritage, social solidarity**  
Drawing on our expertise in building cables, Nexans is sponsoring major heritage projects, like the renovation of the Palace of Versailles and the building of the new Louvre museum in Lens (France). Nexans donated fire safety power, telecommunications and optical fiber cables to protect both visitors and art collections in the event of fire. In addition, Nexans local managers are encouraged to support social solidarity initiatives in the communities in which they operate.



## ... to production, research and innovation

### **Nexans Excellence Way**

This comprehensive company-wide program promotes safety on the factory floor, and the continuous elimination of waste so as to reduce lead-time, while improving quality and adding value to products or services. It delivers what you need, when you need it, in the right quantities, without defects. A low workplace accident rate is a positive monthly efficiency indicator used at all our plants.

### **REACH compliance**

Nexans has led the way in fulfilling the Registration Evaluation Authorization and Restriction of Chemicals (REACH), an EU regulation to protect human health and the environment from hazardous substances. Although only a few of the many thousands of cables we manufacture are concerned, we aim at 100% compliance throughout our own supply chain, while ensuring that all suppliers find safe substitutes for restricted raw materials in the future. We keep downstream users and customers fully informed; thus, REACH compliance becomes a shared goal and common responsibility.

### **Certified Environmental Management System**

Our environmental management system includes thorough industrial risk assessment, training in best practices, close monitoring of production plants, and continuous improvement programs.

The majority of our sites are either ISO 14001 certified or awarded with an in-house EHP label (Highly Protected Environment) in line with ISO 14001 standards.

### **Research & Development**

Nexans has the cable industry's most extensive R&D capability, with 450 researchers and technicians trained in all disciplines, including materials science, cable and systems design, and cable/network testing and simulation, often working alongside customers.

### **Innovations**

Recent innovations include Easyfil® building wires to reduce installation time for electricians, dynamic umbilicals for the control of subsea oil and gas systems from onshore, and fluorescent/reflective mining cables for safety in dark conditions. Innovation is not just technical, but applies to processes, packaging, logistics and services to create lasting value for our customers.



# Acting right now for a sustainable future

## Assuring safety

Cables are optimized to survive in tough environments, including ultra-deep water, high pressure, extreme temperatures, corrosion and mechanical stress. In the event of fire, Low Fire Hazard cables assure improved performance with low smoke and no emission of irritating or suffocating halogenated gases.

## Contributing to the development of renewable energies

From the very beginning, Nexans has been working on renewable energy projects. We equip the world's leading wind turbine manufacturers, and have networking solutions for both onshore and offshore windfarms. More recently, we have developed a completely integrated cabling solution for photovoltaic parks, and are planning for Concentrating Solar Power (CSP) systems in the world's deserts.

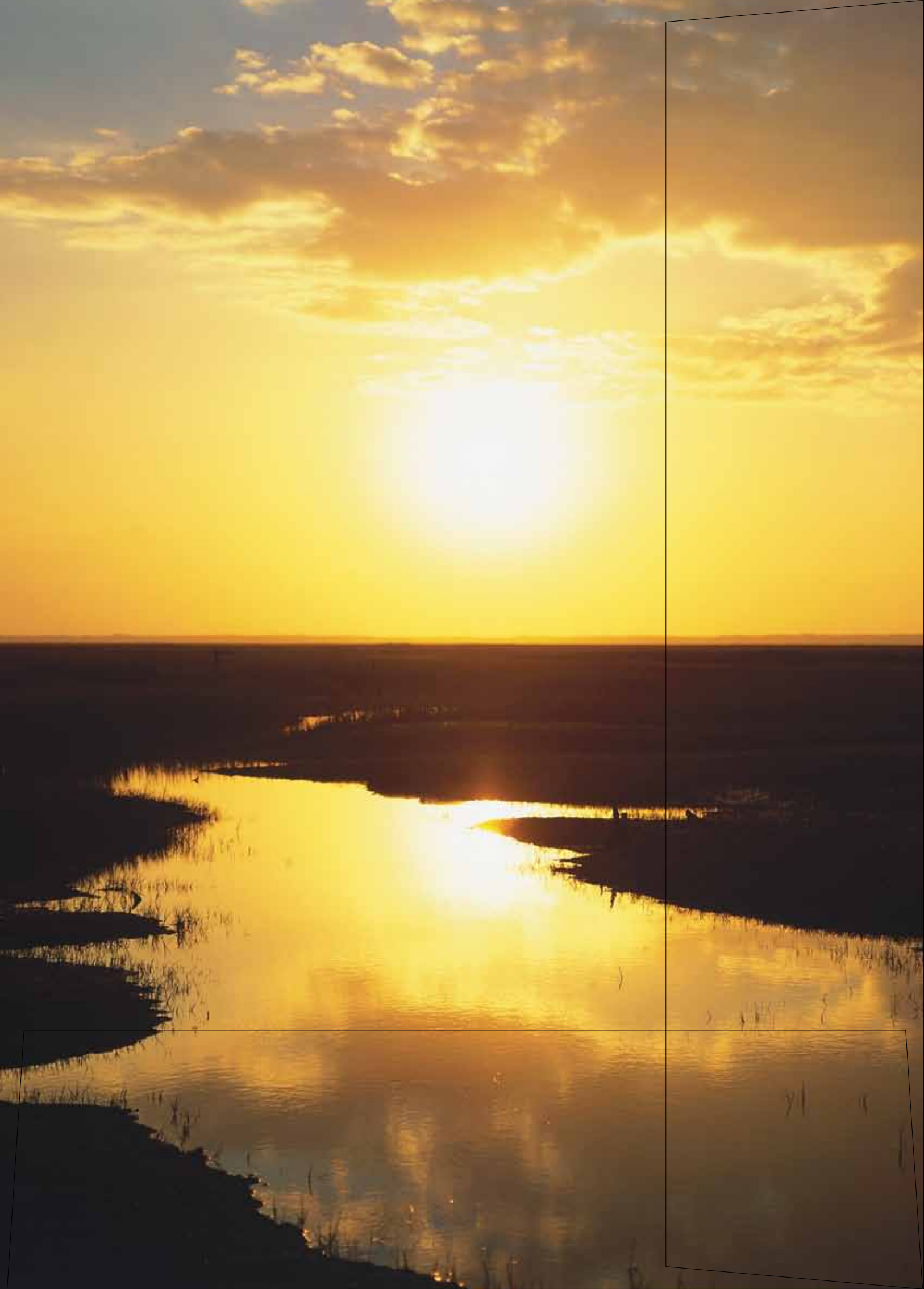
## Offsetting CO<sub>2</sub>

As a global organization, our business travel accounts for some 60 million kilometers – 1,500 times the world's circumference. Purchasing carbon offsets through CarbonNeutral® flights certification guarantees that the carbon footprint of our business travel is zero by funding appropriate initiatives protecting the environment and helping local communities. Meanwhile, we are developing internal programs to encourage the systematic use of web meetings and communications rather than face-to-face encounters.

## Offering recycling facilities

For 30 years, Nexans has provided services for the collection and recovery of cable waste from production plants and from cables at end-of-life. In 2008, Nexans created Recycable alongside Sita, a Suez Environment subsidiary, to offer a comprehensive recycling solution for both polymers and metals. Recycable is both ISO 9001 and ISO 14001 certified.







Global expert in cables and cabling systems

With energy as the basis of its development, Nexans, worldwide leading expert in the cable industry, offers an extensive range of cables and cabling systems. The Group is a global player in the infrastructure, industry, building and Local Area Network markets. Nexans addresses a series of market segments: from energy, transport and telecom networks to shipbuilding, oil and gas, nuclear power, automotives, electronics, aeronautics, material handling and automation. Nexans is a responsible industrial company that regards sustainable development as integral to its global and operational strategy. Continuous innovation in products, solutions and services, employee development and engagement, and the introduction of safe industrial processes with limited environmental impact are among the key initiatives that place Nexans at the core of a sustainable future. With an industrial presence in 40 countries and commercial activities worldwide, Nexans employs 23,700 people and had sales in 2010 of more than 6 billion euros. Nexans is listed on NYSE Euronext Paris, compartment A.

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