





Sustainability

IS A KEY ASSET FOR PRYSMIAN GROUP,
IT IS VITAL FOR US TO HAVE AN OPEN AND
TRANSPARENT DIALOGUE WITH A WIDE
VARIETY OF STAKEHOLDERS: SHAREHOLDERS,
CUSTOMERS, SUPPLIERS, INSTITUTIONS AND
THE COMMUNITIES WHERE WE ARE PRESENT.









Moreover, sustainability is an integral part of our business, because cable technology is a key component of power transport and telecommunications infrastructure, which is crucial to the development and welfare of communities.

Since we are an industrial concern with approximately 110 production plants in 50 countries, our operations have a significant impact on the communities where we operate.

In recent years the Group has made progress in focusing its goals and action plans to improve sustainability performance; these plans have been extended to the new organizational structure resulting from the integration of General Cable.

Special attention has been given to issues of particular importance to our stakeholders, such as energy efficiency and reduction of environmental impact, people develop-ment and respect for the communities where we operate, as well as policies and codes regulating business ethics, transparency and integrity.









RESPONSIBILITY

As global leader in the cable industry, sustainability is a critical concern for us.

PRYSMIAN GROUP IS COMMITTED TO

environmental responsibility

IN OUR PRODUCTION PROCESSES, THE PROTECTION OF THE ENVIRONMENT GENERALLY AND THE RESPONSIBLE MANAGEMENT OF RELATIONS WITH THE LOCAL COMMUNITIES IN WHICH WE WORK.

All of this is, of course, underpinned by a constant focus on safety at work and the development of our personnel.







WE BELIEVE IN LISTENING AND ACTIVE INVOLVEMENT OF ALL THE GROUP'S STAKEHOLDERS, INTERNAL AND EXTERNAL.



WE GIVE CONSTANT ATTENTION
TO THE EVOLUTION OF THE
GLOBAL AND INDUSTRY
CONTEXT.



WE HAVE
THE ABILITY TO THINK ABOUT
THE FUTURE WITH
A VIEW TO RESPONSIBILITY
TOWARDS THE ENVIRONMENT
AND SOCIETY.









THE STRENGTH OF THIS APPROACH IS THE CONSTANT MONITORING OF THE GROUP'S

sustainability performance

ALONG THE ENTIRE VALUE CHAIN, WITH THE AIM NOT ONLY OF ASSESSING PERFORMANCE EX POST, BUT ALSO OF DEVELOPING A PROACTIVE ATTITUDE IN DECISION-MAKING PROCESSES, ABLE TO ANTICIPATE AND SEIZE THE NEW OPPORTUNITIES.

In order to guarantee a strong commitment both inside and outside the Group, in **2016 the Group's sustainability strategy was defined.** The Group has established its strategic priorities, its targets and the actions necessary to achieve its defined sustainability.

Prysmian Group's sustainability strategy drives positive results throughout 3 pillars:





























Prysr





FAST FORWARD TO **SUSTAINABLE**



Sustainability plays a central role for Prysmian Group, committed to promoting a business model that integrates economic, social and environmental responsibility in all aspects and activities of the Group.

At Prysmian Group, sustainability is an **all-encompassing concept**. It influences the entire lifecycle of every product: from the research and development of innovative and sustainable solutions, to the networks that transport the product to market.

Human resources are key to sustainability,

FROM HEALTH AND SAFETY POLICIES. TO THE INVOLVEMENT OF EMPLOYEES, AND THEIR PERSONAL GROWTH VIA INITIATIVES THAT DEVELOP THEIR SKILLS.















- Identification of the hazards associated with production, to assess the potential injury and health risks.
- Training and behaviors as milestone in the prevention and management of risk.
- Reduction of frequency rate of injury.
- Reduction of severity rate of injury.

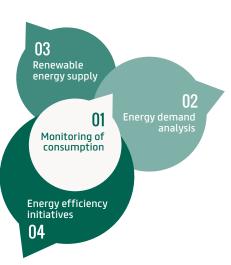








- Optimization of the consumption of energy resources, monitoring and reducing the environmental impact of their processes.
- Development of energy efficiency initiatives replicable in various plants.
- Encourage the use of energy produced from renewable sources.



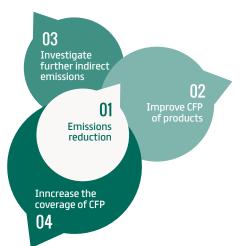
Prysmian Group







- Reduction of the emissions of greenhouse gases.
- Increase of product families covered by the Carbon Footprint measurement.
- Increase of annual revenues from low carbon products.









- Increase of recyclable production materials purchased that support the circular economy.
- Increase of waste recycled.
- Reduction of total waste produced.



Prysmian Group AT THE TOP OF OUR LIST OF SUSTAINABILITY PRIORITIES, LIE

the HSE issues.

In the following pages, we present our environmental, health and safety performance and goals by analyzing the most significant aspects.

















 ISO 45001 Health and Safety Management System

Behavior Based Safety – BBS

HSE Event Tool



- ISO 50001 Energy Management System
- Smart metering systems
- LED Relamping
- Compressed Air
- Efficient motors
- Power factor correction



- ISO 14067 Carbon Footprint of Products (CFP)
- GHG emissions quantification
- Renewable energy supply with Guarantee of Origin certificates

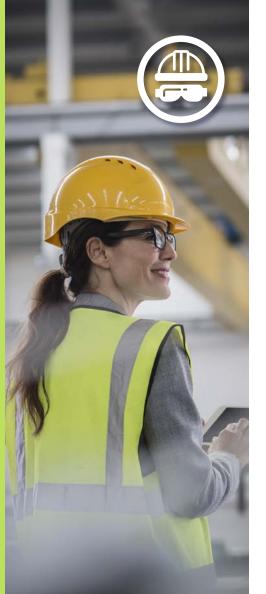


- Reducing waste
- Reusing waste
- Recycling waste



Prysmian Group





EVERY DAY, ACROSS ALL OF OUR LOCATIONS,
OUR EMPLOYEES WILL CARRY OUT WORK THAT IS
SUBJECT TO RIGOROUS RISK ASSESSMENTS, RULES
AND REGULATIONS. ALONGSIDE ADHERENCE TO
BEST PRACTICE, WE BELIEVE

training and behaviors are key

IN THE PREVENTION AND MANAGEMENT OF RISK.

Targeted risk analysis, preventive actions and specific training helps us to achieve our goals:

- Manage the organizational and human factors to avoid all associates to be exposed to risks for their health and safety
- Reduce injury frequency to secure Prysmian Group's sustained competitiveness in world markets

BEHAVIOR BASED SAFETY - BBS

Overview

To stimulate a behavioral change we rely on three main crucial pillars:

- Leadership in Health and Safety Program deployment to shape a strong organizational safety culture by disseminating safe behaviors.
- EHS Academy to define a professional learning path for EHS Professionals within Prysmian Group.
- Safety Team made up by HSE specialists able to transform our organizational culture, rising desirable safety perceptions and behaviors and stimulatechange.



Benefits

Leadership in Health and Safety Program

- Reinforced awareness and commitment of leaders
- Effective tools to influence behavior
- Safety leaders as key sponsors of a strong and sustainable cultural change

EHS Academy

- Upgrade knowledge and skills throughout all professional levels (leaders, safety professionals and employees)
- Removing the gap between the competences we have and expected standard
- Development of new HSE strategy for HR
- Management applied to HSE

Safety Team

- Safety best practices identified, leveraging on the methodologies or tools that are commonly known across the Group.
- Priorities setting and sharing of practices/tools organized in a structured and consistent way with the level of company's maturity.









HEALTH & SAFETY

ISO 45001 HEALTH AND SAFETY MANAGEMENT SYSTEM

Overview

- Implementation of a structured approach to health and safety management means implementing a system and not a standard.
- 2 Link between the company's strategy and the management system.
- 43 Helping to manage risks, basic and supporting processes, equipment and people by offering the opportunity not only to control but also to evaluate and improve the health and safety of workers.

Benefits

- Identify improvements and further reduce the risk of injury, illness and death.
- Improving the efficiency of business processes.
- Reduction of the costs of insurance premiums.
- The creation of a culture of prevention, health and safety of employees.
- Improve the image and reputation of companies.



HSE EVENT TOOL

Overview

- Platform for managing and sharing topics related to Health, Safety and Environment.
- Management (both locally and centrally) of various elements such as: training forms, risk assessment documents, health monitoring, and the management of data and content concerning accidents.

- Linear methodology of checklist and format compilation.
- Update of statistical information and real-time monitoring.
- Selection of a team assigned to events analysis and clear responsibility detection in corrective actions.
- Language customization based on the HSE Country Manager.
- Standard Reporting with flexible structure (perimeter/contents).













FAST FORWARD TO SUSTAINABLE MANUFACTURING





REDUCING

energy consumption

has a double positive impact on costs and \mathbf{CO}_2 levels.

Some of the main areas are:

- ISO 50001 Energy Management System
- Smart metering systems
- LED Relamping
- Compressed Air
- Efficient motors
- Power factor correction

ISO 50001 ENERGY MANAGEMENT SYSTEM

Overview

- Implementation of a structured approach to energy management means implementing a system and not a standard.
- 2 Link between the company's investment strategy and the management system.
- 4 Analysis for identifying the objectives to be achieved and the implementation of appropriate procedures to initiate, monitor and record activities, as well as to verify their progress.

- Improve energy management to reduce greenhouse gas emissions.
- On the basis of the available data, draw up a business plan of new investments.
- Motivation and involvement of staff regarding energy issues.
- Provide a framework for promoting energy efficiency throughout the supply chain.











SMART METERING SYSTEMS

Overview

Installation or extension of the existing monitoring system on the most energy consuming machines.

- Have at hand a tool capable of clarifying otherwise complex data.
- Detect anomalous consumption in real time and therefore avoid waste.
- Have basic information on process control.
- Prevent malfunctions, set up predictive and preventive maintenance policies.







LED RELAMPING

Overview

- 1 Traditional lamps are inefficient and waste energy in the lighting system.
- LED bulbs have longer life(3-25 times longer) and better light output.

- Maintaining an equivalent or higher level of lighting.
- Potential reduction of consumption between 30% and 80% by replacing fluorescent systems with LED technology.
- Economic savings from reduced energy consumption.
- Increased lamp life expectancy and reduced maintenance.











ENERGY

COMPRESSED AIR

Overview

- Compressed air is one of the most costly form of energy on manufacturing site.
- Replacement of the older air compressors and installation of solenoid valves connected to the electric panel of the line in order to block air compressed when there is not production.

Benefits

- Reducing the energy consumption between 5-10% of the compressed air system.
- Reducing the pressure losses.
- Economic savings from reduced energy consumption.
- Reducing maintenance.





EFFICIENT MOTORS

Overview

- Approximately 65% of typical site electricity consumption is represented by electric motors.
- The operating cost of a motor is usually more important than the initial purchase price.

Benefits

- Reduced energy consumption.
- Potential saving of up to 2% of total site electricity cost by using high efficiency motors.

POWER FACTOR CORRECTION

Overview

- Improve the ratio between the total power engaged by the grid (Apparent Power) and the power that performs the work required (Active Power), thus reducing the non-active component that affects the specific characteristics of that particular circuit (Reactive Power).
- The Power Factor is typically found in the range of 0.8-0.85 or lower where the compensation is not working property.

- Maintaining a power factor at minimum 0.95.
- Enhance the efficiency of the production and distribution of electricity.
- Economic savings.













THE

carbon footprint reduction

to conduct detailed analysis of our assets and our products:

- ISO 14067 CFP
- Organization GHG emissions quantification
- Guarantee of Origin Certificates

ISO 14067 CARBON FOOTPRINT OF PRODUCTS (CFP)

Overview

- Quantification of greenhouse gas (GHG) emissions related to the entire life cycle of a product (extraction and transformation of the raw material, production, transport, use and final disposal of the product).
- Allows manufacturers to state what is the level of performance of the product with regard to the effects that this generates on climate change.
- Perceived by consumers as an index of quality and sustainability.

- Identify any emission reduction measures that lead to benefits in terms of reduced energy or raw material consumption.
- Ability to adopt marketing strategies aimed at understanding the new needs of the customer in terms of environmental values, also differentiating itself from competitors, having a verified footprint.











CARBON EMISSIONS

GHG EMISSIONS QUANTIFICATION

Overview

- Quantification of greenhouse gas (GHG) emissions produced directly and indirectly from a business or organization's activities within a set of boundaries.
- Carbon accounting can provide a factual ground for carbon-related decision-making.

Benefits

- Reducing environmental impact and GHG emissions, in line with the objectives established by the COP21 of Paris.
- Constructs information that may be useful for understanding and managing climate change impacts.
- Identify any emission reduction measures that lead to benefits in terms of reduced energy consumption or switch to alternative energy sources.



Overview

- Tracking instrument that labels electricity from renewable sources to provide information to electricity customers on the source of their energy.
- Quarantees of Origin are cancelled in the electronic certificate registry when purchase by a company.
- In the United States instead, this tracking instrument is called "Renewable Energy Certificates (RECs)" and represent proof that 1 megawatt-hour (MWh) of electricity was generated from an

- Promote and support the market of energy production from renewable sources.
- Actively choose the source of our energy production and send a market signal about our preference.
- Decrease CO₂ total emissions and Carbon Footprint, in order to achieve our reduction target.















THE

reduction of waste at source

ENSURES THE BEST ENVIRONMENTAL AND FINANCIAL BENEFITS.

To increase the circular economy it is necessary to stimulate:

- Waste reduction
- Waste re-use
- Waste recycle

REDUCING WASTE

Overview

Waste reducing is an important step towards a more sustainable plant; reduction at source lowers cost of disposal and waste storage areas.

Benefits

- Less resources used to sort/segregate/ clean/shred waste for disposal routes.
- Less energy used to produce or rework waste.
- More efficient Supply Chain.

Pilot Project

WASHING AND RECOVERY OF RAGS

PROJECT OVERVIEW

The project involves the washing and return of dirty cloths by the supplier in order to ensure their perfect reuse and avoid both the purchase of additional cloths and the subsequent disposal.

PROJECT BENEFITS

- Reduction of hazardous waste production.
- Thanks to this service, Prysmian's waste management is eliminated

Pilot Project

REUSE OF WOOD DRUM RECEIVED FROM SUPPLIERS

PROJECT OVERVIEW

The project has already been implemented in several Plants and allows to recover some coils directly from the customer, reusing them again for the winding of the cables.

PROJECT BENEFITS

- Reduction of packaging waste, by reuse of incoming drums in product packaging.
- This project has made it possible to reduce the purchase cost of the reels and the upstream reduction in the production of waste.









REUSING WASTE

Overview

Waste can also be reused for high and value products leading to: lower costs of production, avoided costs for disposal activities and waste reduction at source

Benefits

- Product can be reused in other parts manufacturing cycle.
- Energy consumption and waste are reduced.
- Costs are recovered.

Pilot Project

REUSE OF PVC SCRAPS IN THE PRODUCTION PROCESS

PROJECT OVERVIEW

The project concerns the reuse of plastic waste (PVC) in the production process of low voltage cables. High quality PVC is used for the insulation phase of the cable while lower quality PVC is used to create the last (black) layer of the cable.

PROJECT BENEFITS

- Reuse of plastic scraps.
- Reduce of costs.
- Reduce of waste.

Pilot Project

CREATION OF PLASTIC DRUMS FROM PLASTIC SCRAPS

PROJECT OVERVIEW

The project aims to create plastic reels from the waste resulting from the extruder in the production of cables. The new recycled plastic reels are then returned to the plant for further use.

PROJECT BENEFITS

- Reuse of plastic scraps.
- Reduce of costs.





RECYCLING WASTE

Overview

Whenever waste in unavoidable, finding the best recycling solution helps to stay cost competitive and efficient. For common materials waste markets are developed and waste can be sold resulting in a small profit being generated.

Benefits

 Sending used materials to a mature market can lead to small revenues rather than costs.

Pilot Project

RECOVERY OF <<START-UP LUMPS>> SCRAPS

PROJECT OVERVIEW

The project allows the recovery of these materials that were previously sent for incineration. The objective of the project is to recover the conduits and put them back into the material cycle, thus allowing a reduction in disposal costs.

PROJECT BENEFITS

- Recycle of plastic scrap
- Reduce of disposal costs.











USEFUL LINKS

Further information

USEFUL LINKS:

Prysmian Group Sustainability

Commitment to Sustainability

Prysmian Group Sustainability Strategy

Communicating with Stakeholders

2018 Sustainability Report

Economic & Financial Responsibility

Social Responsibility

Environmental Responsibility

Quality & Innovation











Prysmian Group

