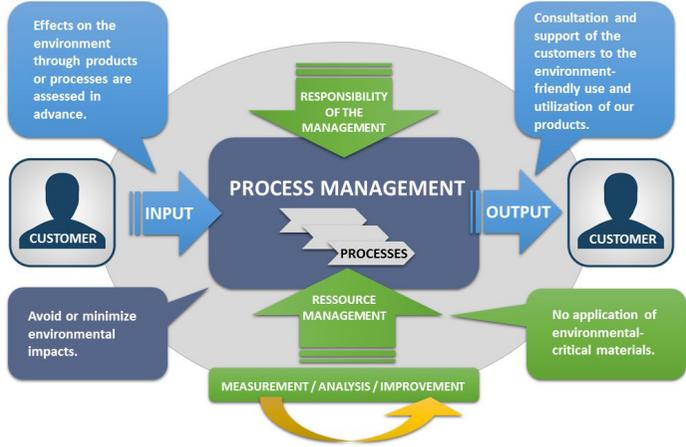


# ENVIRONMENTAL MANAGEMENT

Protecting the environment and our natural resources is a top priority for the Prysmian Group. In addition, our customers are increasingly making purchasing decisions and buying products based on their environmental credentials. Identifying and meeting these needs delivers and increases customer satisfaction and helps secure our combined business. Alongside our in-house efforts, purchasing environmentally sound raw materials and auxiliaries, semi-finished products, components, systems and services from external suppliers also plays a key role in environmentally sound product design.



Extract from Prysmian Group Germany's management policy, February 2018 version:

### Policy on environmental protection

- We assess the environmental impact of our processes, machines, systems and products throughout their entire life cycle. To do this, we promote environmentally sound product development in compliance with international standards, taking environmental aspects into account in investment decisions, purchasing, sales and decommissioning.
- We monitor and analyse the main environmental aspects in our day-to-day operations and under emergency conditions and ensure that our production sites are consistent with the surrounding infrastructure.
- To conserve resources, we minimise the use of materials, energy and water, as well as waste and emissions of substances that are hazardous to the soil, air and water.

# MANAGEMENT SYSTEM

The Prysmian Group in Germany successfully implements an integrated management system that covers quality, energy efficiency, environmental protection and occupational safety, and we are committed to constantly improving it. Our management system complies with the latest ISO 9001, ISO 14001 and ISO 50001 standards and OHSAS 18001 (ISO 45001) specifications and is certified and regularly audited by independent experts.



# CUSTOMER BENEFIT

With one single certified environmental management system throughout the Prysmian Group, we commit ourselves to constantly developing and improving our environmental protection and sustainability activities. We advise and support our customers on the environmentally sound use and recycling/disposal of our products. We make a point of communicating environmental information both within the company and outside it.

### CONTACT

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# ENVIRONMENTAL MANAGEMENT IN GERMANY

Sustainability at the world's largest cable manufacturer



## ENVIRONMENTALLY SOUND PRODUCTS

The Prysmian Group is committed to producing products with the lowest possible environmental impact throughout their entire life cycle:

- in product planning, development and design
- in purchasing, procurement, sales, logistics and servicing
- in customer use, recovery and disposal.

An environmentally sound product is one that:

- can be manufactured using fewer resources
- does not contain any environmentally critical substances
- can be manufactured without the use of environmentally critical substances and does not form any during its manufacture, use or recovery
- meets the demand for longevity and is recyclable.

Technical and cost-efficiency requirements cannot be compromised of course. Therefore the final product's properties and function still take top priority when it comes to choosing materials and components.

Examples of our environmentally sound products:

Renewable energy generation:

- TECSUN (solar, photovoltaics)
- WINDFLEX (wind energy systems)

Electromagnetic compatibility (EMV)

- RONDOFLEX(C)-FC (cable for frequency inverters)
- PROTOFLEX EMV-FC (for cable trolley operation)
- SMOGFREE (for reducing electromagnetic radiation)

Improved behaviour in fire

- SIENOPYR (120) HXSLCHXÖ, Afumex 1000 N2XH (halogen-free cable, low-smoke and flame-retardant)

Avoiding environmentally critical substances

- ROHS / WEEE compliant (EU directives)

Reducing the use of materials

- Products with smaller diameters and lower weights
- CORDAFLEX (SMK), SIENOPYR-PLUS, PROTOLON

Longevity, usability

- Long life span of > 30 years for PROTODUR-/ PROTOTHEN-X
- Metals easy to recycle

## ENVIRONMENTALLY SOUND PROCESSES

Our environmental protection measures are fully compliant with the German Closed Substance Cycle and Waste Management Act. This requires manufacturers to reduce waste in the manufacturing process and during product use and to ensure that any waste that does occur can be recovered and disposed of after product use. We have also reduced the amount of resources we use in our manufacturing processes: first and foremost in terms of the energy and materials we use, but also with regard to waste and hazardous emissions. Below are some examples:

### Resources

#### Energy:

- Energy consumption minimised
- Energy efficiency improved
- Use of materials that will cross-link at room temperature

#### Water:

- Drinking water protection area (special water protection obligation at the Schwerin plant)
- Closed cooling water circuits in our factories
- Nitrosamine-free cooling lubricants introduced to improve health protection

#### Waste:

- Separated waste collection at all manufacturing sites
- Packaging materials recycled in close collaboration with recycling specialists Interseroh
- Use of reusable packaging (KTG coils)

In respect of waste management we strictly comply with the cycle set out in Section 6 of the German Materials Act: recovery/reuse, recycling/energy use, disposal.

### Emissions

- Various protective measures based on noise assessments introduced in our factories to improve health protection
- No ozone-depleting and climate-changing substances used

## ROHS, WEEE, ELEKTROG, REACH

All of these acronyms refer to lists of banned or restricted hazardous substances. Behind this are the two regulations of the European Parliament and the Council as of 27 January 2003.

- RoHS...- Restriction of the use of certain hazardous substances in electrical and electronic equipment (Directive 2002/95/EC), last amended on 31 March 2015.
- WEEE...- Waste Electrical and Electronic Equipment (Directive 2002/96/EC)
- REACH...- Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) 1907/2006).

In Germany, these legal instruments are implemented in the Electrical and Electronic Equipment Act (ElektroG) of 16 March 2005, which regulates the placing on the market, recovery and recycling of electrical and electronic equipment.

The Act sets out producer responsibility requirements for managing waste electrical and electronic equipment, covering product design, disposal of waste equipment and organisational tasks such as registration with the competent authority, issuing warranties, and certain reporting obligations.

Section 2 of the Act (Scope) defines the categories of equipment to which the Act applies. Examples of electrical and electronic equipment are given in Annex I. Section 5 on prohibited substances came into effect on 1 July 2006.

This section prohibits the placing on the market of new electrical and electronic equipment containing more than 0.1% weight of lead, mercury, hexavalent chromium and other substances posing a hazard to health.

The statutory producer obligations are linked to the placing on the market of equipment within the meaning of the ElektroG. However, this only applies indirectly to manufacturers of components for such equipment, e.g. via the regulations on the restriction of the use of hazardous substances, with which equipment manufacturers must comply. Cables and wires are therefore not covered by the ElektroG per se, although it does apply to them when they form part of electrical or electronic equipment covered by the Act.