

Protecting the environment at EUCHNER Guidelines on energy and the environment

We see ourselves as a company that acts responsibly and sustainably in everything it does. In addition to social and economic concerns, environmental issues are also very important to EUCHNER: protecting the environment, making careful use of natural resources, minimizing energy consumption and choosing materials with low levels of harmful substances are all elements of our strategic approach.

Our active energy management program is already having a major impact.

Every employee is responsible for protecting the environment and saving energy.

ISO 14001 environmental management certification

Care for the environment is also deeply rooted in our management system. EUCHNER has had ISO 14001:2015 certification since 2007 with the aim of reducing potential risks and resource consumption on an ongoing basis. The certification helps us to develop and implement green technologies, processes and products. By optimizing our processes, we can achieve savings in material use and selection and in energy consumption.

Renewable energies, energy use and certification

Our TÜV-certified energy management system, which complies with the ISO 50001-2018 standard (since 2021), enables us to increase our energy efficiency and our use of renewable energies while reducing energy consumption. Sustainable, energy-conscious solutions play a key role at our production sites. We are continuously increasing our use of renewable energies. We install photovoltaic systems when we construct new buildings or replace existing roofs (installed power 2024: approx. 250 kWp). Our other recent environmental protection and energy-saving projects include the systematic analysis of energy consumption figures and measures to enhance efficiency and improve energy performance. These measures include:

- Using 20 geothermal probes installed 130 meters below ground level that **supply heat pumps with energy**
- **Heat recovery** by using waste heat from the production of compressed air
- A modern **combined heat and power plant** that supplies the building with electricity and heat (the proportion of self-generated electricity used is 99%).
- **Gas and oil** are only used to operate heating systems where more energy-efficient options for heating the buildings are not yet available.
- **We use only renewable electricity.**

By 2030, we aim to reduce our Scope 1 emissions (this includes all the emissions from an organization's activities) and Scope 2 emissions (this also includes indirect emissions from the purchase of energy) by 70% compared to 2017.

Chemicals in our business

We use small quantities of solvents, casting resins and paints which may have properties that are harmful to the environment and to groundwater. EUCHNER is constantly working to replace these substances with other materials that are less harmful to the environment. However, it is currently not possible to stop using these substances altogether because of their technical properties.

We have taken the necessary safety precautions for the storage and handling these substances, including drip trays, extractors and other technical systems. We commission approved waste disposal companies to dispose of the waste that is produced. Wherever possible, they recycle the materials. The waste disposal companies are obligated to provide us with the necessary approval documents on a regular basis. EUCHNER carries out regular audits of the waste disposal companies (see also the "Waste prevention/recycling" section).

The chemicals mentioned above are only used in enclosed processing plants and production machines. In addition, effective extractor systems remove any harmful substances in the indoor air. This combined with the full set of personal protective equipment that is available to every employee ensures that employees are not put at risk.

Product-related environmental protection (RoHS/REACH)

EUCHNER develops, manufactures and sells only products for factory automation that belong in category 9 "Industrial monitoring and control instruments" of Directive 2011/65/EU (RoHS directive). In a broader sense, all our products are electronic systems that are assembled from standard purchased parts. The casting resins, adhesives and paints used in the manufacturing process are categorized as "plastic parts" when they are components of the finished product and cannot be separated or gradually released from the product. Therefore, our products are not substances or mixtures, but articles under the terms of Regulation (EC) No 1907/2006 (REACH Regulation).

Because the energy consumption of the products is minimal for design reasons and is negligible when compared with domestic appliances, there is, for example, no category for industrial monitoring and control instruments within the scope of the Ecodesign Directive 2009/125/EC. Our products also do not fall into the product groups that are planned for the future.

Preventing waste/recycling

EUCHNER is committed to preventing waste in order to reduce resource use and protect people and the environment. The consistent prevention of waste and the continuous reduction in the use of harmful substances are fundamental principles at EUCHNER. When designing our products, we put the emphasis on choosing materials that are free from harmful substances, on recyclability and on resource-efficient production. In the production process, measures to prevent waste take priority over material recycling. If the waste cannot be prevented, then reusable and recyclable materials are separated from the waste.

In the EUCHNER environmental program (ISO 14001 environmental management certification), the processes for preventing waste are validated on a quarterly basis and the waste prevention targets are redefined each year.

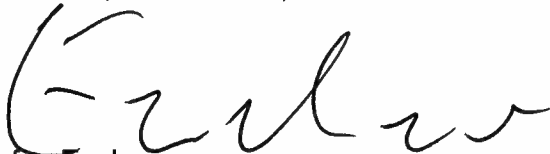
Examples of waste prevention include:

- Designing products with a long service life.
- Replacing toxic and hazardous substances used in production, for example adhesives and cleaning products, with alternative substances.
- Ongoing replacement of materials that cannot be recycled with alternative materials.

It goes without saying that EUCHNER complies with all the relevant laws, for example:

- Directive 2012/19/EU of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE Directive). The disposal of waste electrical and electronic equipment in Germany is regulated by the Electrical and Electronic Equipment Act.
- European Parliament and Council Directive 94/62/EC on packaging and packaging waste (amended by Directive (EU) 2018/851)
This directive regulates the use of packaging throughout Europe in all the EU member states. The Packaging Directive 94/62/EC requires the EU countries to take measures to reduce the amount of packaging waste and its impact on the environment. In Germany, this is regulated by the Packaging Ordinance.

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