

The Future In Our Hands

Environmental Concept 2018



Innovation | Raw Materials | Energy | Quality | Recycling

Sustainability is an integral part of Edelmann's value statement. For the past 40 years, Edelmann has aligned its operations to commit to an eco-friendly and energy-saving production of solvent-free and recyclable folding cartons and leaflets. Edelmann is strongly aware of the responsibilities for the future and has established five key elements of sustainable business management:

Innovation

Driving innovation by encouraging heightened sensitivity to trends and developments in the industry plays a decisive role in our sustainability and environmental business management.

Our dedication to acting as a responsible business and to further reducing the use of raw materials per packaging is strengthened through collaborations with PTS (Foundation for Paper Technology) and Fogra (Graphic Technology Research Association).

Research and development conducted in close collaboration with our suppliers is a key force in the search for new innovative solutions that can optimize the use of existing products. Our main goal is to pursue a sustainable and resource-saving overall approach.

Raw Materials

The economical use of raw materials is apparent throughout our process chain. The software used to design new packaging ideas allows for a sophisticated on-screen development prior to producing the first sample. As a result, the digital prepress and the computer-to-plate process reduce the use of material and chemicals.

To ensure the consistently high quality of purchased paperboard, Edelmann produces and trades paper pulp certified by FSC (Forest Stewardship Council) and PEFC (Programme for the Endorsement of Forest Certification Schemes).

These certifications guarantee the sourcing of wood from sustainably managed forests and the continuous monitoring of the production chain, from the forest holding to the print shop.

Our raw materials and products meet all applicable legal requirements, such as the REACH Regulation (EU regulation governing the registration, evaluation, authorization and restriction of chemicals) or the SVHC (substance declaration (Substances of Very High Concern)).

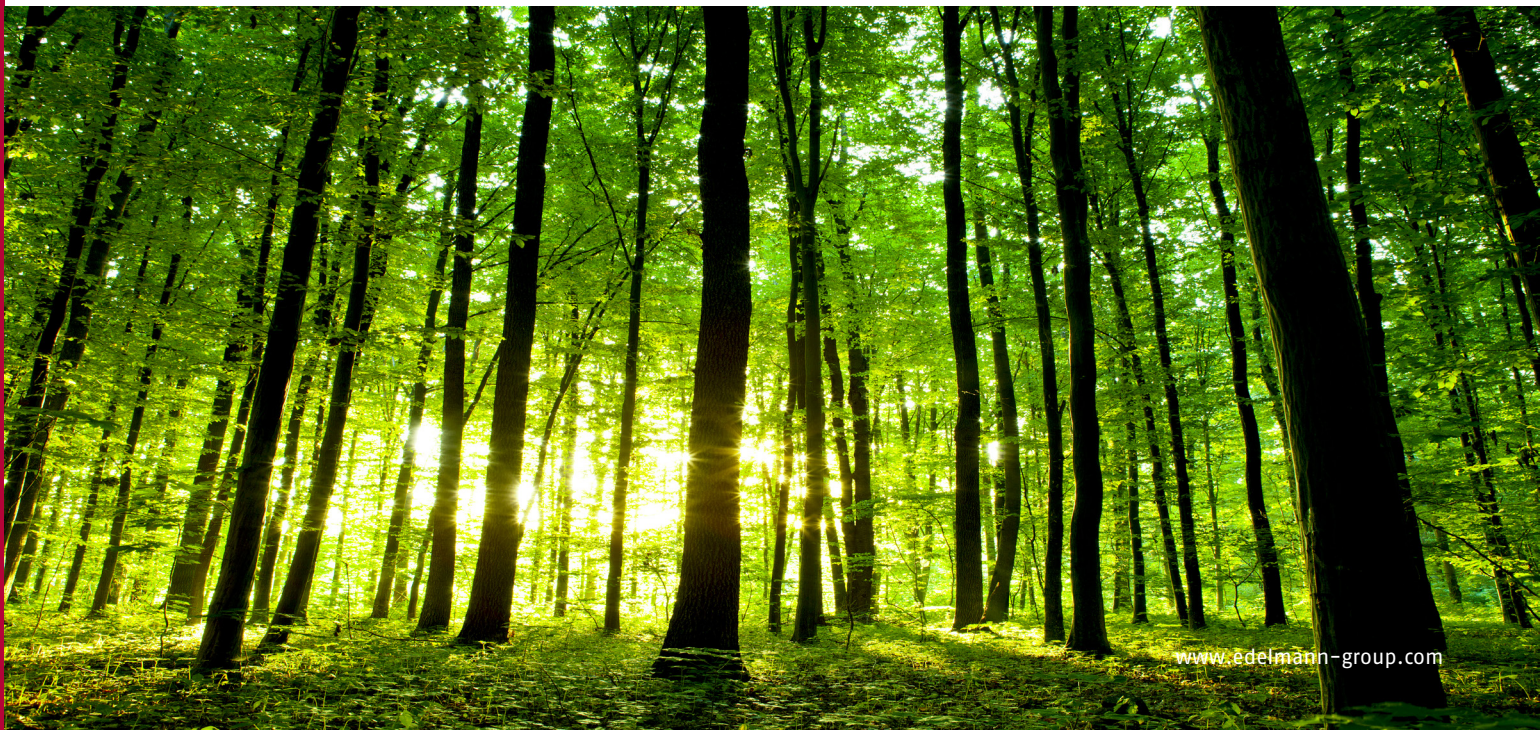
Energy

By using innovative technologies throughout our various company processes, we are decreasing the overall use of raw materials and energy. Thanks to the consistently high quality of these raw materials, downtimes are minimized and waste is reduced.

The EcoProfit award and the ISO 16247-1 certification attest to Edelmann's efforts to conserve natural resources and to reduce energy consumption (for a full list of certifications, please see the Certifications).

At the beginning of 2014, Edelmann replaced an oil-fired boiler with a combined heat and power station. Boasting an electric capacity of 239 kW and a heating capacity of 365 kW, the CHP station can generate 2,650 MWh of electric power in 11,800 full-load operating hours, thereby covering more than 25 percent of the power requirement in Heidenheim.

In addition, our facility in Heidenheim has solely been purchasing green power from local public utilities since 2016. This power is generated by hydropower plants and has previously been verified by the German Federal Environmental agency.



Quality

Our quality system is based on clearly defined in-house quality assurance processes and the consistent implementation of the ISO 9001 and ISO 14001 standards. In addition, the ISO 15378 certification containing all requirements for Good Manufacturing Practice (GMP) has been in place for decades, and proves that Edelmann meets the requirements for primary packaging materials for medicinal products. The stringent inspections during the production process ensure a consistently high quality within the tightest of tolerances.

We are the first company in the packaging industry to offer our customers information on the CO₂ footprint of packaging materials. This makes it possible to measure emissions more accurately and to determine appropriate compensation for the resulting emissions through the involvement in environmental projects.

Recycling

The main components of paperboard are organic, renewable, recyclable and sustainable materials. The production of paperboard is already considered highly efficient and it continuously increases the use of renewable energy sources. As a result, paperboard has the smallest CO₂ footprint among all packaging materials.

Most inks and varnishes used for printing and the print finishing of paperboard packaging are water based. We use only few types of inks and adhesives to facilitate their handling and disposal.

A considerable amount of residual ink from offset printing is used to produce new inks and is then reused.

The majority of our production waste is recycled. Paperboard waste is fully recycled. Paperboard waste has multiple additional advantages:

1. It is recycled and forms the basis for the production of the most eco-friendly packaging materials: recycled paperboard.
2. Paperboard is compostable and serves as a source of energy at the end of its life cycle: Paperboard fibers can be recycled five to seven times.

Certificates

Our certificates attest to the environmental friendliness, quality and safety of our products.

ISO 9001 – Implementation and maintenance of a quality management system

ISO 14001 – Implementation and maintenance of an environmental management system

ISO 12647-1 – Process Standard Offset Printing Quality Inspection of the production processes

ISO 15378 – Implementation and maintenance of a quality management system for primary packaging materials for medicinal products

ISO 16247-1 – Energy audit, higher energy efficiency and lower power consumption

Green Power – Use of power generated by hydropower plants, verified and monitored by the German Federal Environmental Agency

EcoProfit – Award for our environmental program from the East Württemberg Chamber of Commerce and Industry

CO₂ Certificate for the participation in the climate initiative of the print and media associations

FSC Certificate for the production and trade of folding cartons

OHRIS Maintenance of a management system for plant safety

The future is our responsibility

- Efficient handling of natural resources and improved use of raw materials
- Optimized use of energy in production and processing
- Reduction and/or avoidance of substances and products harmful to the environment
- Continuous advancement of the sustainability strategy

For further information please send your questions to:
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