SUSTAINABILITY BORNE OF CONVICTION

HEINLEIN® MISSION E

A MEMBER OF ALPLA INDEN PHARMA

SHORTFACTS

ISO 50001 Energy Management System

WHY

MISSION

As an international manufacturer of high-quality primary packaging for the pharmaceutical industry, we bear a high degree of responsibility toward our customers, business partners and employees.
In keeping with this responsibility, we consider resource conservation and active environmental protection to be a key part of our company's work towards sustainable management. That is why we launched our "Mission e" in 2019.

ECONOMY
(sustainable management)

ECOLOGY
(active environmental protection)

In order to maintain comprehensibility and readability at a high level, we have dispensed with gender-specific distinctions when referring to people. It goes without saying that gender-neutral designations always include all genders.

ECONOMY

The impacts of climate change and the expected scarcity of resources lead to changing conditions and stricter requirements in the area of energy efficiency and environmental protection.

Heinlein has had an energy management system certified according to DIN EN ISO 50001 since 2012. We use the resulting findings to improve our own energy efficiency.

Out of responsibility for the environment, we operate sustainably and question the environmental impact of our business decisions before we make them. We have already implemented the following measures or are currently working on their implementation:

BIOPLASTICS

Our portfolio includes closures based on ecological raw materials such as bioplastics made from sugar cane, for instance. The material has a valid food grade approval. Further inspiration comes from partnerships with universities. They support us with scientific expertise in the processing of biomaterials for a wide range of requirements.

WASTE AND THE USE OF RECYCLABLE MATERIALS

Avoiding waste is one of our top priorities. If it cannot be avoided, we ensure the waste materials are recycled where feasible. The waste is transferred to a certified recycling company for recycling. We separate the waste products in accordance with our disposal concept. Fixed “waste islands” in the company make it possible to separate waste that can no longer be recycled from recyclable materials and to set the latter aside for subsequent recycling. This has allowed us to reduce our residual waste rate to five percent per year.

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CONVERSION OF THE MACHINE POOL TO HYBRID AND ALL-ELECTRIC DRIVE TECHNOLOGIES

We have always relied on resource-saving production techniques to keep the emissions from our production operations as low as possible. Such techniques include, among others, upgrading the injection moulding machines to modern hybrid or all-electric drives, which also correspond to the state of the art from an emissions point of view.

ENERGY-SAVING INSULATION

As for our own energy efficiency standards, we consciously go beyond the legal requirements. We used autoclaved aerated concrete blocks to insulate the exterior of the extension building that opened in 2019. The special thermal insulation capacity of aerated concrete is based on its low density and high “air content”. Autoclaved aerated concrete is characterised by its high strength and pronounced heat storage capacity as well as low thermal conductivity, making it possible to avoid the use of environmentally harmful insulation material. The energy-saving insulation boasts an outstanding heat transfer coefficient of 0.26 W/m_2K. Moreover, autoclaved aerated concrete blocks can be recycled, as absorbent cat litter for example.

ACQUISITION OF ENERGY-EFFICIENT REFRIGERATION AND HEATING SYSTEMS WITH HEAT RECUPERATION

Our production is part of a closed cooling circuit. This means that a low demand of additional freshwater is needed to cool the rooms and machines.

LED LIGHTING

We use long-lasting, energy-saving LED lighting in all our production facilities and warehouses.

NEUTRAL CLEANING AGENTS AND LUBRICANTS

We only use cleaning agents and lubricants that do not pollute the environment.

ENERGY TEAM – TAKING RESPONSIBILITY TOGETHER

Seven percent of our employees are members of our energy team, supporting (environmental) measures and (resource) savings in the context of Mission e.

LEAN MANAGEMENT

We are committed to recognising and avoiding waste and errors in every area of the company. We have standardised processes to better structure and monitor them, ensuring continuous improvement. We highly prioritise lean management training measures and programmes that allow us to encourage each of our employees to keep their eyes open, within their own area of responsibility and beyond, and to take the initiative whenever and wherever possible if they see potential for improvement. At regular “shop floor meetings”, the exchange of new ideas among the employees is encouraged, measures decided, and their implementation pursued.

ECOLOGY

Whether on issues of energy supply or mobility, whether in the utilisation of resources or in the development and manufacture of our products: We at Heinlein would like to make our contribution to maintaining the ecological balance. As a logical consequence, we always include ecological factors in the assessment of all major decisions we make as a company.

We have implemented the following topics of active environmental protection or are currently working on implementation:

ELECTRICITY FROM OUR OWN PHOTOVOLTAIC SYSTEM

Our in-house photovoltaic system with an output of 740 kWp allows us to cover part of our energy consumption in a climate-neutral manner using self-generated green electricity.

CONVERSION OF THE FLEET TO PLUG-IN VEHICLES AND E-MOBILITY

In 2021, we will switch our entire company fleet to plug-in vehicles. At the same time, charging stations for e-bikes and e-cars will be installed at our premises. We also plan to purchase a fully electric vehicle for short distances.

INSTALLATION OF A WATER DISPENSER IN THE CANTEEN

The growing consumption of PET bottles since the end of the 1990s is polluting the environment and increasing CO2 emission levels. In order to do our part to help reduce numbers of PET bottles, we have installed a water dispenser with modern filter technology in the canteen, thereby preventing the use of more than 20,000 PET bottles every year..

BEA MEADOW

The green area in the inner courtyard is laid out as a bee meadow. In addition to bees, it also attracts birds and other insect species and enables us to protect biodiversity.

heinlein
PLASTIK-TECHNIK

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