



Sense and quality of life through sustainability

Environmental management

„In organizing the workplaces of our employees we take care of health and safety of our employees and visitors on-site. The safety at work has first priority in our daily work. We save resources, protect the environment and act in accordance with man and nature.“
(Extract from our mission statement)

BUTTING is aware of the holistic responsibility for its entrepreneurial activities. The success of our customers, the health and safety of our fellow human beings and employees, and comprehensive action to protect the environment, are core elements of the way we understand sustainability. With our long-life corrosion-resistant products we wish to contribute to the meaning and quality of life.

To reach these fundamental goals, we strive to constantly improve our products, energy consumption and plant safety, as well as to protect the environment. We simultaneously take measures to protect the health of our staff. Here we are supported by our Integrated Management System (IMS) and our company suggestion scheme.

Environmental management

Against this background, BUTTING has implemented the Environmental Management System (EMS) in accordance with ISO 14001 and is putting the 12th Directive of the Federal Immission Control Act (12. BimSchV) into effect. The EMS is based on statutory regulations, their standar-

dised implementation and on modern technology. In this respect, EMS regulates the implementation of measures to avoid damaging the environment, monitors environmentally relevant plants and supports executives on all environmental protection issues.



BUTTING systematically investigates and evaluates environmental aspects that can be influenced directly or indirectly. This leads to the following results:

- Environmental goals and protection programmes
- Measures to increase awareness
- Environmental key figures

Thus environmentally relevant data is listed, evaluated and key figures are drawn up in the form of company audits. The environmental key figures are used to evaluate our own environmental performance and to investigate possible improvements.



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The staff are regularly informed about the environmental key figures. We also give environmentally-related recommendations to third-party companies we have commissioned.

Transportation

As far as possible, overland transportation of all goods, that is, raw materials and unprocessed and coated pipes, is on goods trains rather than lorries. This is not only the most environmentally friendly type of goods transportation – because it can considerably reduce the carbon dioxide (CO₂) and nitrous oxide (NO_x) emissions – it is also the most reliable and safe form of transportation, because compared with other means of transport, accidents and breakdowns of trains rarely happen. The general risk of accidents is also reduced due to the smaller number of lorries on the roads.

Modern engines – pro-active environmental protection

Re-equipping the engines of older locomotives is another important step towards the protection of our environment. Only the most modern vehicles can claim to make a significant contribution to environmental protection.

In this respect, our logistics service provider, DB Cargo AG, is pursuing a two-track environmental protection strategy. DB Cargo AG is fulfilling the expectations regarding a modern and efficient fleet without having to withdraw older locomotives, and is equipping its locomotives with low-emission engines. In recent years DB Cargo AG has in recent years invested EUR 500 million in this project and replaced more than 75 percent of its engines.

In the event of goods transportation by lorry, all vehicles comply with the EURO V or VI emissions standards.

All ships that we consider using for maritime transport use higher quality fuels, such as diesel or gas oil instead of heavy fuel oil, with a maximum sulphur content of 0.1 percent, which leads to a considerable reduction in damaging sulphur dioxide emissions.

In-house transportation

In recent years, BUTTING has invested in process-oriented batch production in particular: Continuous production is now supported by automatic pipe transportation. Thus in-house transportation can generally be avoided. In addition to investment in modern equipment, the handling of raw materials, intermediate and end products has been improved. These measures have contributed to further reducing the number of in-house transports and the distances covered by in-house transportation and thus the CO₂ and NO_x emissions.

BUTTING also places great emphasis on electromobility. Thus electric forklift trucks are being increasingly used on the company site. They do not cause any CO₂ emissions during operation and thus make an important contribution towards protecting the environment.



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