



Sense and quality of life through sustainability

Energy 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 corrosionresistant 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.

In times of constantly rising energy costs and based on the knowledge of the finite nature of raw materials, a responsible approach to energy consumption plays an important role in a large company such as BUTTING. For many years, environmental friendliness and sustainability have been at

the forefront of our business activities. The objective is to make production processes as energy-efficient as possible and therefore „safe, healthy and environmentally sound“, in accordance with our mission statement.



With the introduction of our energy management system in 2012, BUTTING took an important step towards comprehensive and permanent control of energy consumption. In 2015, BUTTING was awarded ISO 50001 certification for its successful, systematic energy management. We therefore want to bring about continual and sustainable improvements to energy efficiency.



BUTTING



BUTTING Energy Manager Stefan Dammann (left) and Marc-Andre Freimann in front of the new cooling water supply.

The following strategic energy objectives have been decided upon:

- Continual increase in energy efficiency between 2016 and 2020; we will strive to bring about an improvement of at least 1.3% as an annual average between 2016 and 2020 with regard to our key performance indicators (KPIs)
- Transparency, communication and raising of awareness
In order to systematically evaluate our energy flow, we are pressing ahead with the continual expansion of our energy measurement points (BUTTING energy data).
By continually developing and expanding energy reports through the provision of general information and the promotion of measures to reduce energy consumption, all employees are involved in and informed about energy management and motivated to save energy.

Relevant energy data is regularly compiled and evaluated in the form of energy reports. The corresponding key figures from the reports are used for evaluating the energy output. The staff are regularly informed about the energy output. In addition, we provide energy-related recommendations for practical implementation at the third parties we commission.

A number of different operating measures have been implemented in recent years to achieve our energy goals. Some current projects are listed here as examples:

- Many production facilities and phases at BUTTING are supplied with water from a pond, for example, for quenching pipes after the annealing process, or cooling seams just after welding. A comprehensive piping system has been installed to ensure water provision. In the process,

the supply of pond water has been restructured: The number of pumps was reduced, they were also equipped with speed control and the old motors were replaced. The reconstruction led to a lasting reduction of around 50% in power consumption in the pump house.

- At the start of 2016, a major project was launched that aimed to improve the in-house lighting quality in Knesebeck and at the same time reduce energy and maintenance costs. As part of the renovation measures, the old lighting equipment was gradually removed and replaced with new LED lamps. This increases the light output in the production halls. At the same time, LED lighting reduces electric power consumption and produces energy savings of up to 50%.
- The „LOK“ has recently taken over as the new administration building in Knesebeck. The building technology is outstanding: for example, the waste heat caused by pipe construction from coil is used for heating and cooling purposes. The demands of the Energy Saving Ordinance were thus exceeded by around 50%.



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