

# Environmental management at Thomas-Krenn

At Thomas-Krenn.AG, sustainability and environmental protection are defined as company-wide goals. Environmental management encompasses all departments and goes beyond mere compliance with legal requirements. As a manufacturer of IT systems, which are climate-relevant throughout their entire product lifecycle due to their material and energy consumption, we are highly committed to this topic.

Our environmental management therefore encompasses our operations and resources as well as our environmentally compatible products. It also aims to sensitize and educate our customers on the efficient operation of IT systems.

## **Resource-conserving operations**

In production, we place a focus on resource sustainability – such as reusing packaging materials wherever possible. Sustainability is ensured by the consistent separation of raw materials and their reintroduction into the recycling cycle.

With the reform of the Electrical and Electronic Equipment Act, we are obliged to take back waste electrical and electronic equipment. Corresponding processes and infrastructure were created for this purpose.

Our purchasing terms and conditions oblige our suppliers to be environmentally friendly and their products free of harmful substances. Our procurement department always makes sure that we only purchase from suppliers who meet all the relevant requirements – such as ROHS and others.

Electronic scrap material is only processed by certified disposal companies who ensure that everything is recycled. Employees are also encouraged to separate waste and mandatory instructions are in place.

We place a particular emphasis on organizing our operations and production in such a way as to conserve resources. There is a photovoltaic system that feeds solar power into the public grid on the roof of our company building. Our in-house computer center is efficiently air-conditioned using outside air thanks to an innovative cooling system from a regional manufacturer. The waste heat from the servers is used to heat the production hall. Compared to conventional air-conditioning units, our cooling system uses up to 90 percent less energy.

## **Energy efficiency as a product strategy goal**

The proportion of energy-efficient products in our portfolio is constantly increasing. Our energy-efficient, passively cooled systems (“Low Energy Servers”) play a pioneering role here.

Particularly efficient components – such as processors, power supplies or storage media – are explicitly highlighted as such in our online shop. A permanently visible online energy cost calculator ensures that customers have their energy consumption in mind when ordering new systems. Furthermore, we offer our customers individual power consumption measurements under realistic conditions.

With Hot Fluid Computing, Thomas-Krenn.AG has developed an innovative liquid cooling system with waste heat utilization that allows data center operators to achieve radical savings in their CO2 emissions. In this context, energy efficiency is also a constant feature of the company’s marketing and public relations activities.