



Environmental Sustainability at Thermo Fisher Scientific in Bremen, Germany

At the Thermo Fisher Scientific site in Bremen, we are developing and producing the most complex mass spectrometers, enabling our customers to advance their research in life sciences, environmental- and geosciences. As our products spur the creation of green technologies, we take pride in the increasing sustainability of our operations and products.



Fossil Fuel Free Building

We purchase 100% green energy by HarzEnergie, ending our contribution to the combustion of fossil fuels for electricity. We replaced our gas heating system by installing four heat pumps and two electric heaters. This heat pump system uses already occurring process warmth from the production process and repurposes it to heat up the building. To lower the need for externally supplied energy, we also installed 80 kwp solar system on our roof.



Green Committee

We have set up volunteer groups, who actively work towards improving our environmental impact. The energy management, mobility, recycling and instruments groups hold regular meetings and are implementing individual improvements, as well as proven best practices.



Energy Efficiency

To further reduce the amount of energy we use, we have replaced our conventional fluorescent tubes lighting system with energy saving LEDs, connected to a motion detector. We have replaced the old oil bath vacuum pumps with new dry-run pumps, and we are using smart temperature control devices, preventing unnecessary energy consumption for heating purposes.



Waste Reduction

We are constantly reducing, reusing and recycling. We separate waste by paper, plastic, glass, aluminium, cardboard, packaging waste, hazmat, electronic and other IT equipment. The Zero Waste label certifies that our site is achieving 100% diversion from landfill. All material is treated by waste either prevention, re-use, recycling/composting or Energy from Waste (EfW) / Anaerobic Digestion (AD). The waste prevention, reuse and recycling rate is 95.3%.



Mobility

For our employees not using a car for their daily commute to work, we offer free bike helmets and tram tickets, appreciating their usage of sustainable means of transportation. We have invested in two electric company pool cars, an electric cargo bike, and will soon encourage to purchase electric company cars, instead of conventional combustion engines.



Product Design

To enable our customers to reduce their environmental impact, we partner with My Green Lab on the ACT label. The label evaluates the instruments based on the manufacturing site, packaging and shipping impacts, product content, energy consumption and lifetime, and it concludes the rating with a final environmental impact factor. The first Bremen ACT labels are accessible on the My Green Lab ACT database.



Paving the Way to Sustainable Science

We are continuously gaining more knowledge about our emissions and are working towards having a thoroughly calculated CO₂ footprint. We will continue to critically evaluate the different aspects of our everyday business regarding their impact on the climate.



 Learn more at thermofisher.com/sustainability