

Sustainability that pays off.

Lived sustainability in the new Customer and Technology Center

Weidmüller 



The new, energy-efficient Customer and Technology Center in Detmold

Contact:

Weidmüller Interface GmbH & Co. KG
Contact: Carsten Nagel
Phone: +49 52311-4291010
Carsten.Nagel@weidmueller.com
Internet: www.weidmueller.de

As a family owned company Weidmüller is aware of its responsibility towards the environment and future generations. The electrical engineering specialist from Detmold consistently focuses on sustainability and energy efficiency both in production and in the infrastructure of the buildings. This is also reflected in the construction and furnishing of the new Customer and Technology Center.

Weidmüller attached great importance to sustainability, energy efficiency and modern workplace design (New Work) during the design and construction of the new Customer and Technology Center at the headquarter in Detmold. Since January 2019, the new building has provided space for 470 employees on 12,000 square meters of floor space. Thanks to the use of a

photovoltaic system, a geothermal field and energy-saving technology inside the building, consumption at the time of construction in 2018 was 55 percent below the legal requirements of the Energy Saving Ordinance of 2016.

The geothermal field with 210 boreholes and almost 10,000 drilling metres behind the Customer and Technology Center is one of the largest geothermal fields in Germany (as of 2018). Despite the high investment costs, the focus was deliberately placed on the use of geothermal energy to generate sustainable energy for the building. As part of an overall concept, the geothermal field is connected to a heating/cooling ceiling inside the building and supplies 100 percent of the heat and 70 percent of the cooling required. The heating/cooling ceiling itself is also particularly energy-efficient and conserves resources thanks to its low flow temperatures.

The lighting in the building also focuses on energy efficiency.

Thanks to large, energy-saving windows and glass elements, very little electrical light is required and the employees are offered a very high proportion of daylight. The brightness of the LED technology is controlled by means of daylight control. In addition, presence detectors ensure that light only is on where people are present.

The concept is rounded off by charging stations for visitors' electric cars, which they can use during their appointments. Charging stations are also available to the employees, which are located in the underground car park of the CTC.

Facts:

- Consumption 55 % below the Energy Saving Ordinance of 2016
- Geothermal field provides 100% heat and 70% of the required cold
- Sustainable and resource-efficient interior concept

BLUECOMPETENCE

Alliance Member