



FACT SHEET TECHNOLOGY CENTER GARCHING

## A digitally and sustainably planned building

**SIEMENS**

- Built by Siemens Real Estate (the real estate company of Siemens AG), the new **Siemens Technology Center boasts four levels with a total of around 13,000 square meters of variable-use space for research and development**, including the necessary technical areas and laboratories. A conference area, rooms for training and meetings, and modern workspaces can be reached from the foyer.
- All these aspects will benefit the **more than 450 researchers from Siemens Technology who will work together here on technologies of the future with around 150 people who either work for, or study at, the Technical University of Munich**. They will find state-of-the-art spaces that are adapted to hybrid working. One of the measures taken to achieve this purpose was selecting an interior design that – similar to department stores – requires no fire walls. The result: individual areas of up to 5,000 square meters, including a 150-square-meter lecture hall that can be divided flexibly.
- When the **second building complex is ready in 2027**, according to plan, the number of researchers will rise by around 630 to around 1080. Construction of the STC began at the end of 2021.
- Like all new Siemens buildings, the **STC was also first planned digitally and then built in real life on the basis of this data**. This approach allowed for a particularly resource-efficient construction process. Furthermore, the building's so-called digital twin delivers important data in current operations via a vast number of sensors in order to run the building in a particularly sustainable manner.
- The photovoltaic systems on the roof also contribute to **improved sustainability**. 234 modules generate a maximum output of 94.4 kilowatts – that would be enough to supply around 20 single-family homes with electricity all year round. In addition, district heating generated via geothermal energy is used for renewable energy supply. The ventilation system uses heat recovery and thermally activated intermediate ceilings support the heating and cooling systems. State-of-the-art sensor and building technology from the Siemens portfolio realizes further potential for achieving sustainability. **The building is also certified "GOLD" according to the internationally recognized sustainability standard LEED (Leadership in Energy and Environmental Design)**.
- A total of 21 exterior doors were installed in the Siemens Technology Center; these are joined by around 300 interior doors and almost 250 windows with a total area of almost 3,500 square meters. A few

more facts: The building shell was built with 7,500 cubic meters of concrete and 760 tons of steel. Inside, around 30 kilometers of piping and 500 kilometers of cable have been laid. Full-coverage wi-fi and an in-house 5G mobile network, together with state-of-the-art media technology, enable collaboration from anywhere in keeping with today's requirements.

- **“By building the Siemens Technology Center in Garching, we’ve implemented a showcase project – in terms of both its sustainability and its modern, forward-looking working and research environments,”** said Jörg Vocke, CEO of Siemens Real Estate. **“Together with our Siemens Campus Erlangen, where research and development work is also being performed, the STC will make the German state of Bavaria one of Siemens’ most important research and development hubs. And best of all: this is just the beginning; another construction phase is already being planned in Garching.”**

**In addition to Siemens, the research hub is also home to other prestigious institutions such as the Technical University of Munich (TUM), the Max Planck Institute, and SAP.**

**Photo: Siemens**



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