

# Hochschulcampus Galileo, Garching



## New Campus Centre of Garching - Galileo

Straight, transparent and modern. GALILEO forms the new centre of the of the university campus with a clear structure and a north to south axis combined with many east to west passages. This new building is the new heart of the Technical University (TU) campus in Garching a town in the outskirts of Munich. With this new complex, the campus finally gets the long awaited vivid centre.

Combining teaching, working, science and research with culture, sports and recreation: That's the idea of GALILEO. Thus making the research centre a vital city with seminar rooms, a main lecture hall with 1,300 seats, a 257-room hotel, a boarding house with 170 apartments, various offices, restaurants, shops and services, a church and a fitness studio as well as a wellness centre.

The main theme of the façade is light and shadows – transparent surfaces alternate with elements made of sheet metal, impact panes and expanded metal. The façade is built modular, and in the light of sunset, the façade is to symbolize security and the energy, which was collected during daytime, which is used for the lighting during the night. A challenge Dobler Metallbau has willingly accepted.



*Partial view of the façade*

### Client:

Neue Mitte am Hochschulcampus Garching GmbH + Co.KG

### Employer:

MoTo Projektmanagement GmbH

### Site Supervision:

IBR Ingenieure GmbH

### Planning Architect:

Nickl & Partner

### Installation Time:

12/2016 - 2018

### Extent of Work:

Design, production, delivery and installation of the façade types mentioned below.

### Façade Area & Quantity:

15,000 m<sup>2</sup> unitised façade

3,350 m<sup>2</sup> stick system

1,100 m<sup>2</sup> plant housing including primary steel construction, various claddings, canopies, doors, etc.

### Glass:

Glass build up: 8 mm toughened / cavity 18 mm / 10 mm laminated float 55.1

Glass build up: 6 mm float / cavity 16 mm / 8 mm laminated float 44.1

Impact pane: 12.5 mm laminated strengthened 65.4

L<sub>T</sub> -value: ≥ 75 % (insulating glass)

L<sub>T</sub> -value: ≥ 48 bzw 68 % (sun coating)

Solarfactor (g-value): ≤ 50 resp. 37 %

U<sub>g</sub> -value: ≤ 1,0 W/(m<sup>2</sup>K)

Glass coating:

Impact pane: Bright neutral,

Stick system: Ipsol Neutral 70/37 and Stopray Vision-50

### Surfaces:

Polyester powder coating (PPC), colours NCS 1500 N matt, NCS 8000 N matt, RAL 9007 matt, NCS 1500 N matt texture finish

### Façade Handover:

February 2018