Showcase for sustainability and digitalization

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General Manager New Siemens Campus Zug –
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The new Siemens Campus –
A long-term commitment to Zug

2014
Consolidation of the production site Volketswil in Zug

2016
Relocation of production facilities on site in Zug

2016 – 2018
Construction office and production buildings

2021 – 2022
Refurbishment of the existing office building

Highest sustainability goals
• LEED Platinum/Gold Certification
• Lake water as source for heating and cooling

~ CHF 250 m total investment
The new Siemens Campus –
In the context of a growing residential area

Integrated
• Master plan considering the adjacent residential area
• Integration of the existing building (C) in the campus area

Open
• Attractive outside areas to encourage interaction with the environment
• Clear entrance situation to all buildings on the campus
• Generous atrium in the office building (A) for best natural light infiltration to the office space

Considerate
• Reduced height of the production building (B) in favor of adjacent residential area
• Delivery zone of the production (B) integrated in building
The new Siemens Campus – Attractive and smart office building

Space efficient
• Total Floor Area: Approx. 18,400 m²
• Underground parking with 250 pp

Flexible
• Flexible use from single-office to open office space (including technical infrastructure)
• Up to 3 rental units per floor possible for external rent
• Cavity-/double floor for easy retrofitting

User-centric
• Cafeteria, fitness room, showers and locker rooms
• Conferencing area with latest virtual collaboration technology
• 100% WLAN coverage for mobile and seamless working within building
• Advanced cooling and space conditioning capacities for best room comfort
The new Siemens Campus – Modern environment for Production, Research and Development

Compact
- Total Floor Area: Approx. 18,400 m²
- Production on ground floor and 1st floor
- Additional office space, labs and Siemens Education Center in 2nd floor

Intelligent
- Scalable storage and buffering solution for highly efficient goods supply of production area
- Nitrogen tanks and waste container hidden behind facade
- Media grid network for all technical media installed on the ceiling: flexible connection of equipment w/o interruption

Sustainable
- Air compressor units with waste heat recovery used for hot water generation
- LED lighting in all areas
- Photovoltaic showcase on the rooftop
The new Siemens Campus – Roughly 2 years of construction phase

65,000 m³ of excavation
90,000 m² of formwork
1,000 drilled piles each 30 m long
240,000 m³ aboveground volume
35,000 m³ of concrete
4,000 tons of concrete steel
4 cranes
More than 300 workers per day at its peak
530,000 h working hours on construction site
The new Siemens Campus – Entirely equipped with intelligent building control systems

**Comfortable and safe**
- Integrated building automation system including energy optimization
- Fire and CO detection, extinguishing
- Access and intrusion control, CCTV, mass notification

**Energy and asset efficient**
- Generation of heat and hot water with highly efficient heat pumps
- HVAC units equipped with cool and heat recovery systems
- Air conditioning with hybrid cooling and heating panels (preinstalled and connected)

**Space and user efficient**
- Room reservation system connected to Siport access control and Desigo CC
- Smart sensors for location based services e.g. Indoor Positioning
The new Siemens Campus – Sustainability is our commitment …

**CO₂-neutral Siemens Campus**
- No fossil heat generation
- Lake water as source for heating and cooling
- Integrated building automation system including energy optimization (based on Desigo CC)
- Use of eco-friendly building materials with a high recycling level
- Vegetated rooftops and rain water usage
- Sustainable waste management concept for the entire Siemens Campus
- Core refurbishment of the existing office building in 2021 according to LEED standard
The new Siemens Campus – Digitalization is our future …

Building Information Modeling (BIM)
• Implementation of BIM during planning phase
• Realization of one office floor as Virtual Reality (VR) for communication and Design-Finding
• BIM as single and unique “data source” for a needs-based and efficient operation phase of the building by the FM-provider
• Augmented Reality (AR) application as additional support during operation phase

Location based services
• “Comfy” workplace app for employees to control temperature, lighting, book available meeting rooms, and issue work requests
• Real-time analytics via “Enlighted” IoT sensors (e.g. occupancy insights)

Digital transformation of existing building “Indoor Scan”
Contact page

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