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

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Ingenuity for life

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

The new Siemens Campus –
In the context of a growing residential area

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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

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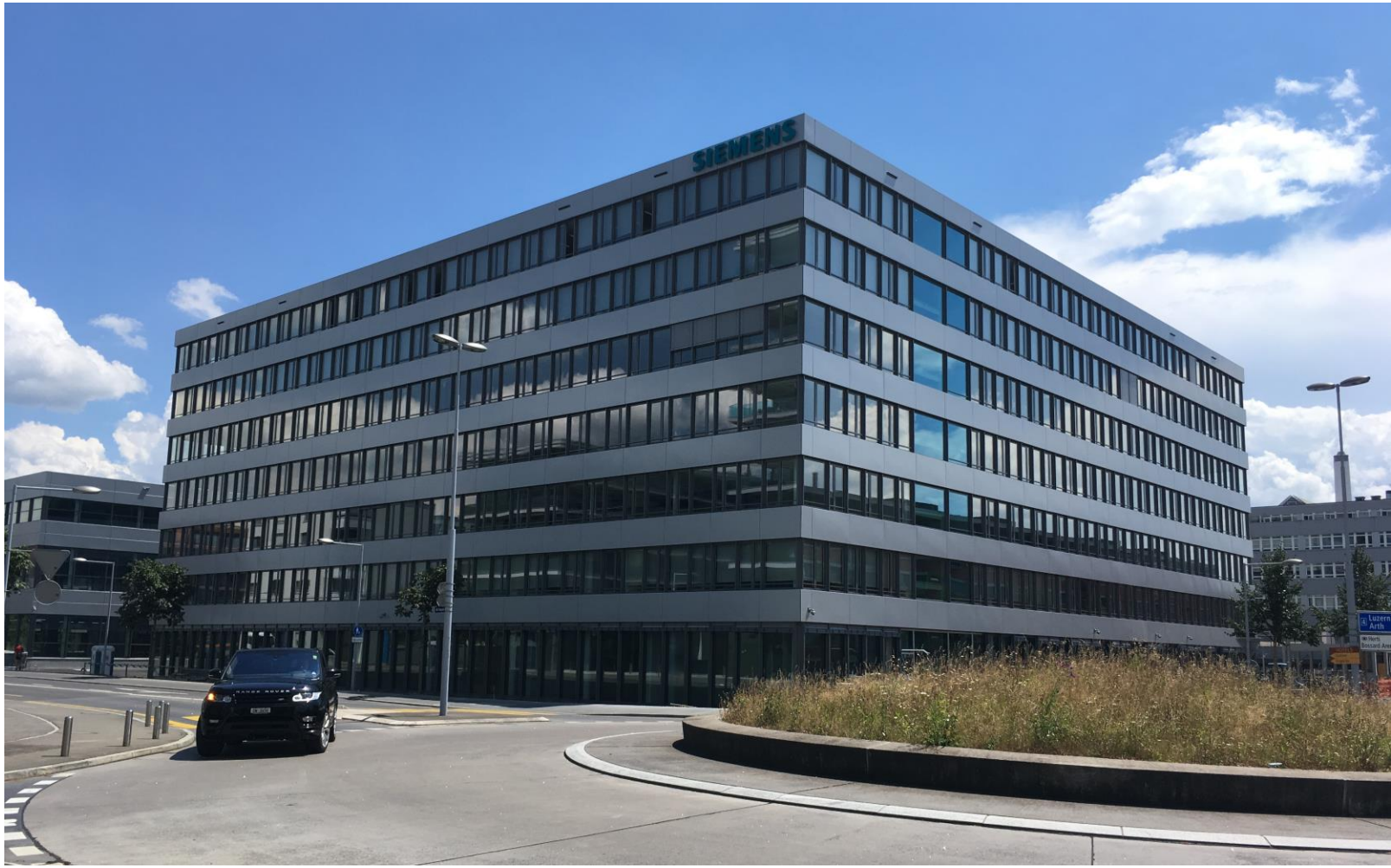
Space efficient
- Total Floor Area: Approx. 18,400 m^2
- Underground parking with 250 pp

Flexible
- Flexible use from singe-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

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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

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- 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

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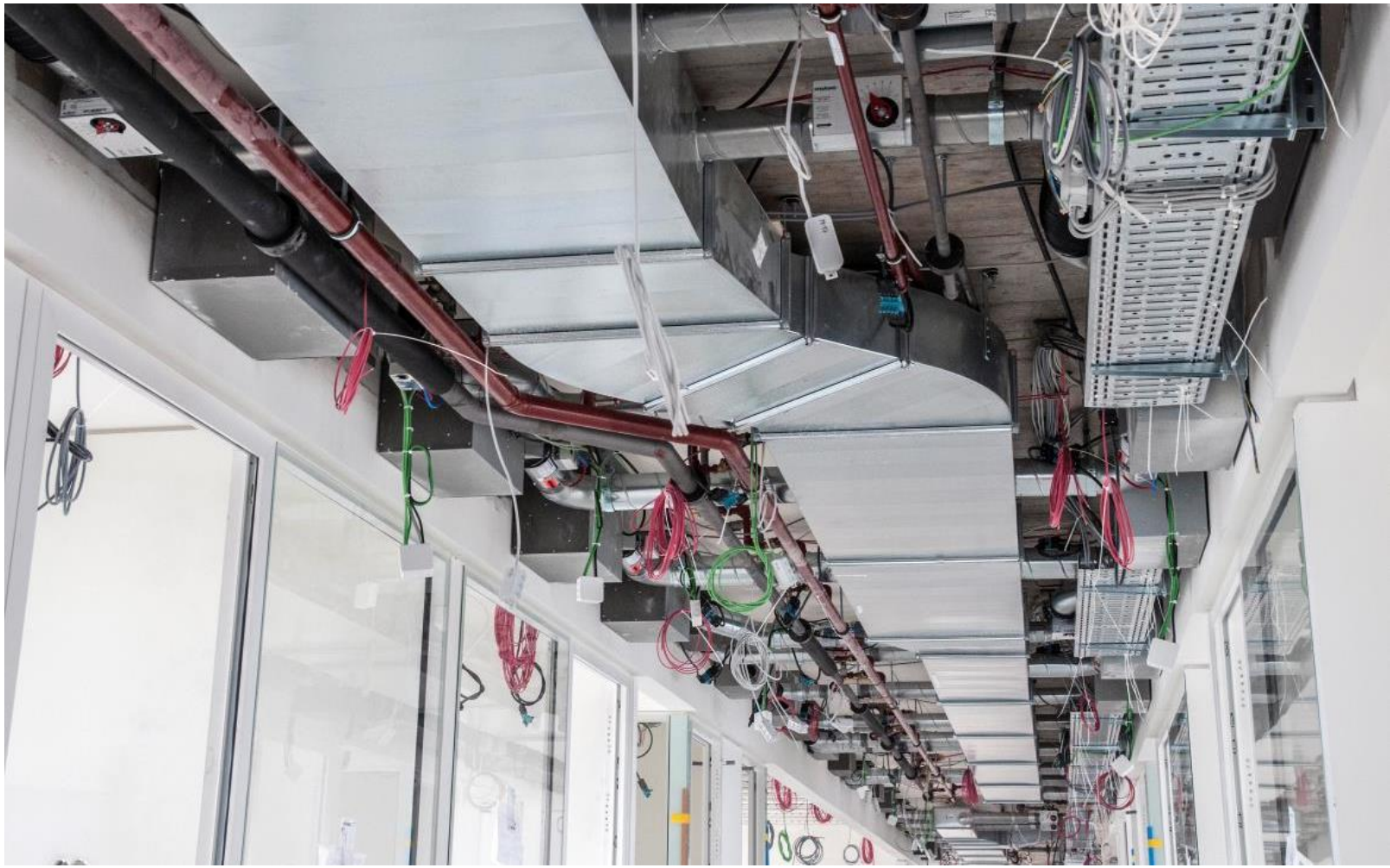
Comfortable and safe
- Integrated building automation system including energy optimization
- Fire and CO detection, extinguishing
- Access and intrusion control, CCTV, mass notification

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 …

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- CO_2-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 …

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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

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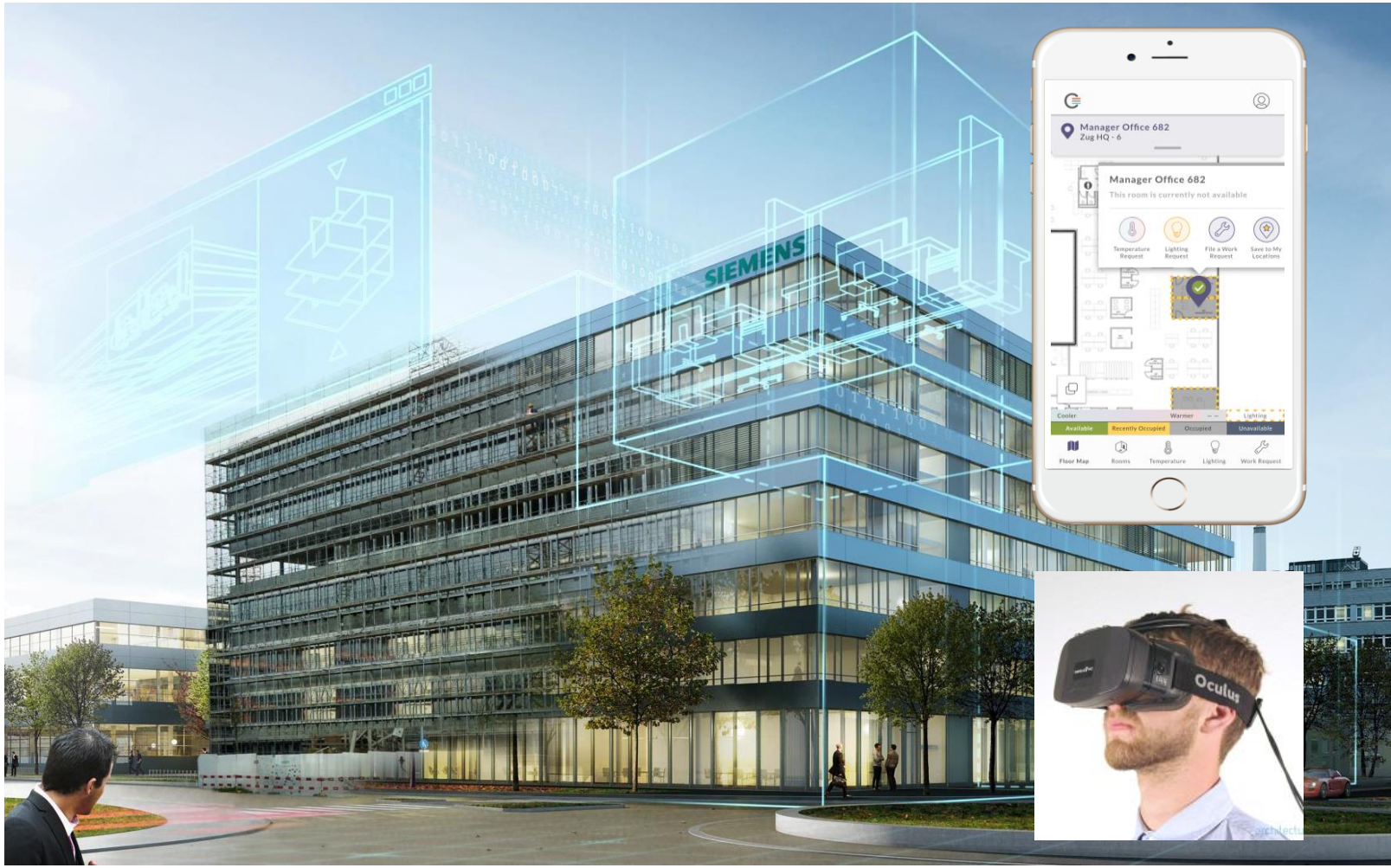
Location based services
- “Comfy” workplace app for employees to control temperature, lighting, book available meeting rooms, and issue work requests
- Real-time analytics via “Enlighted” IoT sensors (e.g. occupancy insights)

Digital transformation of existing building
“Indoor Scan”



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