SIEMENS

Press

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Siemens tech ensures sustainability and safety of The Circle complex at Zurich Airport

- **Building technology installed in all rooms of "The Circle" complex**
- **End-to-end solution for energy supply of all buildings**
- **Certified LEED Platinum by the US Green Building Council**

The Circle at Zurich Airport is a new 30,000 m^2 building complex that features shops, restaurants, services, hotels and a conference center under one roof. Siemens installed over 30,000 components for the building and energy technology of the large complex, making an active contribution to its sustainable design. The company's technology ensures the daily 25,000 visitors to The Circle experience a safe and energy-efficient environment.

The Circle, which opened in November 2020, was awarded not only the Swiss Minergie certificate but also received LEED Platinum certification, the highest sustainability label of the US Green Building Council - Leadership in Energy and Environmental Design (LEED).

"Our products are present in every single room and make The Circle a comfortable, energy-efficient, and safe place for visitors, tenants and operators alike. We are proud that, together with our customer Flughafen Zurich AG, we are able to help shape this very special building complex," says Henning Sandfort, CEO of Building Products at Siemens Smart Infrastructure.

Fully automated building

Siemens supplied the heating, ventilation and air conditioning (HVAC) components to ensure an optimized and healthy room climate throughout the complex, which consists of six individual buildings. The company also installed field devices that are

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smart, fully automated and optimized for energy efficiency, supporting the building automation system. With their modular design, the systems are easy to expand or modify in the future, giving building operators and tenants alike great flexibility and security. The KNX communications standard is used for room automation by products from various disciplines such HVAC, shading and lighting, making building operations fully automatic.

Siemens also designed, engineered and installed an end-to-end solution for the reliable supply of electricity. Power to the complex is supplied through approximately 1,000 meters of busbars from the main low-voltage supply systems. Integrated measuring devices make the power flows transparent, enabling operators to identify areas of potential savings. A total of 600 air circuit breakers and molded case circuit breakers are used in the main low-voltage distribution system and in the busbar tap-off units. The circuit breakers feature selective tripping, which contributes to a reliable energy supply and infrastructure. Because of their modular design, the installed components can easily be modified to meet new requirements. In the future, data can be transmitted directly over the busbar trunking system.

Voice alarm systems ensure safety and security in the public areas, including retail spaces, parking garages and evacuation routes as well as the Hyatt hotels and the University Hospital Zurich Health Center.

The Circle at a glance

- Complex of six connected buildings, designed as a city district
- Amenities: shops, restaurants, hotels, coworking spaces, health services, fitness center, daycare center
- Offers 6,500 jobs
- 25,000 visitors a day expected

This press release as well as press photos can be found at
https://press.siemens.com/global/en/pressrelease/siemens-tech-ensures-sustainability-and-safety-circle-complex-zurich-airport

For more information on Siemens Smart Infrastructure, see
www.siemens.com/smart-infrastructure

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Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. Active around the world, the company focuses on intelligent infrastructure for buildings and distributed energy systems and on automation and digitalization in the process and manufacturing industries. Siemens brings together the digital and physical worlds to benefit customers and society. Through Mobility, a leading supplier of intelligent mobility solutions for rail and road transport, Siemens is helping to shape the world market for passenger and freight services. Via its majority stake in the publicly listed company Siemens Healthineers, Siemens is also a world-leading supplier of medical technology and digital health services. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power that has been listed on the stock exchange since September 28, 2020.
In fiscal 2020, which ended on September 30, 2020, the Siemens Group generated revenue of €57.1 billion and net income of €4.2 billion. As of September 30, 2020, the company had around 293,000 employees worldwide. Further information is available on the Internet at www.siemens.com.