SIEMENS

Siemens launches digitalized aspirating smoke detectors suited for large protection areas

- **Two new aspirating smoke detectors, FDA261 and FDA262, extend the existing fire detection portfolio**
- **Particularly suited for critical infrastructure and very large protection areas**
- **Highly intuitive commissioning app and improved detection performance**
- **Modular design to prolong lifetime and reduce environmental footprint**

Siemens has introduced two new aspirating smoke detectors (ASD), FDA261 and FDA262, catering to particularly challenging fire safety installations that extend over wide areas, such as large data centers, e-commerce warehouses, or industrial manufacturing sites. A single device can cover up to 6,700 m^2, currently the largest coverage area available on the market. Even for Class A installations with the highest sensitivity requirements, up to 2,000 m^2 of detection coverage is feasible with a single ASD+ detector.

The new ASD Connect app ensures fast and easy digital commissioning. It makes the commissioning process highly automated and intuitive. As a result, the commissioning effort decreases significantly.

ASD safeguards megatrends

"ASD plays a crucial role in protecting the infrastructure needed to enable global megatrends, such as the energy transition or digitalization. One example is fire protection for the rapidly growing number of lithium-ion battery energy storage systems," said Peter Nebiker, Head of Fire Safety at Siemens Smart Infrastructure.

The new ASD+ fully integrates in fire safety systems from Siemens, communicating directly and intelligently as addressable device using the Siemens FDnet/C-NET,

without additional hardware cost or wiring for I/O cards. This reduces the time and effort needed for installation while enabling data transmission to the panel and remote locations, such as the cloud.

High performance in any environment

ASD+ offers better detection performance and maximum immunity to false alarms. Along with high standards for detection sensitivity, the detection optics hardware has been optimized for harsh and dirty environments. The dual-wavelength signal processing algorithm has been improved to reliably differentiate between smoke particles and dust, thus avoiding the risk of false alarms. ASD+ products have adjustable alarm thresholds (0,003 to 20%/m), providing complete flexibility to meet the needs of any application. Additional information such as pre-alarm, dust detection or contamination-level reporting adds value for customers and can be accessed via the Siemens cloud portal.

Reflecting Siemens' dedication to sustainability throughout the product lifecycle, the new products follow a modular design, allowing the detection chamber and aspirator to be easily replaced without reconfiguration.

This press release and a press picture are available at
https://sie.ag/3YJqdVZ
For further information on Siemens Smart Infrastructure, please see
www.siemens.com/smart-infrastructure
For further information on aspirating smoke detectors, please see
www.siemens.com/ASD

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Siemens Smart Infrastructure (SI) is shaping the market for intelligent, adaptive infrastructure for today and the future. It addresses the pressing challenges of urbanization and climate change by connecting energy systems, buildings and industries. SI provides customers with a comprehensive end-to-end portfolio from a single source – with products, systems, solutions and services from the point of power generation all the way to consumption. With an increasingly digitalized ecosystem, it helps customers thrive and communities progress while contributing toward protecting the planet. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2022, the business had around 72,700 employees worldwide.

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power.

In fiscal 2022, which ended on September 30, 2022, the Siemens Group generated revenue of €72.0 billion and net income of €4.4 billion. As of September 30, 2022, the company had around 311,000 employees worldwide. Further information is available on the Internet at www.siemens.com.