



## INTEGRATED SOLUTIONS FOR BUILDING MANAGEMENT IN CLEANROOMS

# Precise control for clean production environments

### Risk reduction for high-risk areas

Control, precision and security are crucial for clean production environments. Environmental conditions need to be compliant with the highest quality standards and regulations in order to protect both people and assets. The answer to these challenges: integrated building management solutions that precisely meet the specific requirements of a wide range of facilities. Because no two clean-rooms are the same.

### Comprehensive concepts for complex environments

Running a cleanroom efficiently is challenging. Contamination threatens people, product quality and the environment. Therefore, closely monitoring and precisely controlling each and every activity in a cleanroom is essential – in the pharmaceutical sector as well as other life science industries. A comprehensive, integrated building management solution provides you with all the information you need to control all the relevant parameters, from temperature and humidity to airborne particles and other environmental parameters – at the push of a button.

### Standardized components for individual solutions

Every cleanroom solution is perfectly tailored to the requirements of your facility – and always with the entire lifecycle in mind. Work with us and you'll draw on an extensive network of cleanroom experts that ensure that your project will be completed reliably and on time. Our expertise in building automation and cleanroom technology lays the groundwork for a customized concept that will match your needs, reduce operational costs through intelligent energy data evaluation and keep downtime to an absolute minimum. Our solutions are drawn from an extensive modular portfolio of building management systems for cleanrooms. We use it to develop an integrated solution tailored to your facility. The particular modules of the system you choose will depend entirely on what functionalities you need. We offer you exactly what you need to create a perfect cleanroom environment that guarantees that only authorized people have access to sensitive areas, and that they are guided to evacuate quickly and safely, keeping damage to assets and resources to a minimum. You'll have a partner that understands all the unique requirements of cleanrooms, from the latest guidelines and regulations down to the technical details. This helps you to turn your facility in a perfect place for achieving outstanding results – both technically and economically.



## Your benefits

### Precise environmental control

Avoid production loss and fulfill regulations by precisely measuring and controlling environmental parameters – including air-flow volume, particle concentration and pressure differentials – and by monitoring environmental emissions.



### Effective protection

Safeguard people and assets in high-velocity air zones with the earliest possible fire detection, intelligent extinguishing solutions and guided operation and evacuation in hazardous situations.



### All-round security

Ensure your facility's security by controlling it with our solutions for IT security and access control. These systems will only provide access to authorized personnel using centralized recording of user activities, and you'll get a clear overview of all people present at all times along with continuous video surveillance.



### Global support

Benefit from our in-depth solution expertise and an extensive global network of cleanroom experts that speak your language. They know all the local rules and regulations and ensure that you'll receive the support you need through-out the entire lifecycle of your facility.



### Assured compliance

Draw on our expertise to facilitate best manufacturing practices, with comprehensive statistical information and verification of all quality-related parameters of the building infrastructure.



### Transparent information

Use our standardized interfaces and intelligent data evaluation across all systems to decrease your risk of production loss, reduce the cost of training and avoid faulty manipulation that could endanger people and the environment.



### Published by Siemens Switzerland Ltd

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