INTEGRATED SOLUTIONS FOR CRITICAL STORAGE AREAS THAT MEET REGULATORY GUIDELINES.

When consistency is of essence

Protecting valuable assets

In life sciences, protecting valuable products and raw materials is as important as it is challenging: important because consistent environmental conditions must be ensured until final delivery for treatment or production; and challenging because compliance with stringent regulatory and technological requirements is hard to maintain. With our critical storage solutions, you can easily control and monitor all relevant parameters within a single system.

A comprehensive approach to critical storage management

Refrigerators, freezers and incubators at scientific, healthcare and production facilities need to be monitored. That's because they hold essential assets like blood, drugs, materials, vaccines, cells and tissue that are used to treat patients, manufacture drugs or carry out research. One important aspect is climate control. For example, a slight change in temperature might render whole batches of products useless. A case in point is glucose: if it isn't stored at the right temperature, it cannot be used and must be destroyed.

However, depending on a storage facility's layout, maintaining optimum homogenous air conditions can be complicated. The same goes for fire detection, particularly in large open storage spaces where smoke sensors are slow and ineffective. Our solution uses highly specialized flame detectors and is therefore much faster and more reliable. And security is important too for protecting the high-value raw ingredients from cross-contamination as well as preventing theft of finished products. To provide safe and secure conditions – while ensuring a comfortable work environment for your employees – we combine all management functions including monitoring, alarming and reporting within comprehensive, fully integrated systems.

Dependably cool

To help meet strict temperature and humidity regulations in your storage areas, we only install high-value NIST or ISO-traceable calibrated sensors. They take recordings frequently at defined time intervals and the measurements are entered automatically into historical data logs, which also contain information on calibration, maintenance and any corrective actions taken. Aside from achieving maximum operational efficiency, our solutions also support you in meeting regulatory and accreditation requirements with the least amount of time and resources. With solutions from Siemens for your critical storage areas, you can rest assured that your valuable assets are protected around the clock.

Your benefits

Optimum environmental conditions

Measure and control environmental parameters with precision – including air flow volumes and pressure differentials, as well as continuous temperature and humidity monitoring.

Transparent operation

Reduce complexity and facilitate decision-making based on clear criteria – with standardized interfaces and intelligent data evaluation across all systems for maximum transparency.

Maximum safety and security

Safeguard highvalue assets in critical storage facilities with earliest fire detection and suppression, as well as guided operation and evacuation in hazardous situations.

Thorough security

Provide access to authorized personnel and reduce crosscontamination risks through centralized recording of user activities, clear overviews of all people present and continuous video surveillance.

Assured compliance

Benefit from our comprehensive experience in validation for critical storage rooms to monitor environmental conditions and store this data in compliance with regulations.

Global support

Benefit from our in-depth solution expertise and an extensive global network of experts who ensure short time to market and appropriate support throughout the complete life cycle of your facility.

Published by
Siemens Switzerland Ltd

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