



INTEGRATED SOLUTIONS FOR LABS THAT ENSURE THE PERFECT ENVIRONMENT.

A safe and secure place for research

Great minds at work

Despite all of the high-tech scientific equipment in modern research facilities, the most important asset in a laboratory is the people working there. As they concentrate their energy on coming up with the next breakthrough, great minds need a workspace that is comfortable and efficient – and that complies with all regulations in place. The Siemens portfolio of integrated laboratory solutions focuses on maintaining safety and security and comfort without compromising on economical or ecological aspects.

A comprehensive approach to laboratory management

Our extensive portfolio of building management systems for laboratories includes standardized solutions for all application scenarios. Through comprehensive integration of all components, we combine these systems into single solutions that meet the specific requirements of each customer and their facility. Thanks to our modular solution offering, changes to each room's layout or use can be made easily.

The key to achieving a safe, secure and comfortable environment while minimizing energy consumption is highly automated, demand-driven systems. Our laboratory solutions are unique in that they can address this very issue by intelligently

linking your entire facility's infrastructure from fume hoods to room controls and primary plants. Thanks to continuous exchange of information between all modules and easy data accessibility through a single interface, you can take full advantage of all potentials with regard to safety and security, economic viability and comfort. This way, you'll ensure optimal working conditions while meeting the most stringent requirements for the protection of people and the environment.

Sustainable lab solutions

A primary challenge in operating a laboratory is keeping energy consumption low. This becomes particularly evident considering that energy consumption in laboratories is typically three to eight times higher than in office buildings. Ventilation requirements for the employee safety and security and research integrity are the main consumers. In fact, two-thirds of the energy used in a laboratory is associated with meeting air change requirements and comfort control. The Green Lab Solution from Siemens comprises products, solutions and services designed to make laboratory spaces more energy-efficient and improve performance. And that allows great minds to do their best work and to stay safe.



Your benefits

Economic efficiency

Achieve maximum operational efficiency – and ultimately save time and money – with our thoroughly integrated control and monitoring of laboratory fume hoods and rooms.



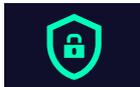
Transparent operation

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



Effective protection

Safeguard people and assets in research laboratories, including explosion risk zones, with earliest fire detection as well as guided operation and evacuation in hazardous situations.



Ongoing support

Benefit from our in-depth solution expertise and an extensive global network of experts to maintain day-to-day operations around the clock according to established standards.



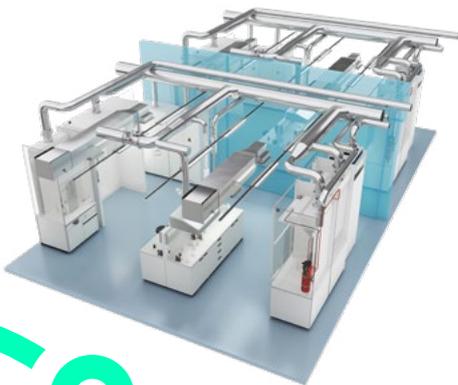
Employee comfort

Combine climate control with lighting and shading control in a single-source solution to create a comfortable work environment for employees.



Broad experience

Choose a market leader in building technology to draw on decades of experience in the life sciences and combine advanced automation technology with local expertise.



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