

A photograph of a scientist wearing a white hairnet, a white N95-style face mask, and green lab scrubs. They are working inside a biosafety cabinet, which has a glass front and a metal frame. The scientist is using a pipette to transfer liquid into a multi-well plate. The background shows laboratory equipment and a window with a view of trees outside. The Siemens logo is in the top left corner.

**SIEMENS**

# Biocontainment Solutions

Achieve the highest levels of safety, efficiency, security and compliance for your scientific research.

[www.usa.siemens.com/lifescience](http://www.usa.siemens.com/lifescience)

Siemens combines advanced automation technology with local biosafety expertise. Our customized solutions provide critical control and monitoring of your facility for continuous, safe operating conditions while recording activity for verifications.

Meeting the unique safety and scientific objectives for biocontainment facilities requires quality assurance in all phases of facility design, installation, commissioning and ongoing operations. Siemens has successfully provided building automation, life safety, access control systems, and ongoing maintenance to help some of the largest BSL-3 and BSL-4 facilities in the country meet their safety, efficiency and compliance goals.

We can do the same for you. Our solutions focus on the design and development of control applications and products that will enhance laboratory safety and performance in your biocontainment facility. We evaluate and test our applications in a biocontainment mock-up lab while working with consulting engineers and facility owners to assess further enhancements.

**Answers for infrastructure.**



Whether working with select agents or manufacturing vaccines, we understand the challenges you face every day to assure that your facilities are safe and achieving high performance standards. That's why we do more than engineer the building automation systems that give you the precise control you need. Our solutions take a comprehensive approach to meeting your requirements. From initial design considerations through ongoing support, we provide the systems, the services and the resources that give you the certainty that your facility is as safe, efficient, cost-effective and compliant as it can possibly be.

Combining advanced automation technology with extensive industry expertise, we can help you:

- Meet applicable regulatory and accreditation requirements.
- Ensure the quality of environmental conditions.

- Improve staff productivity by integrating third-party systems and devices to develop a turn-key operation.
- Minimize operational costs through monitoring and control of environmental, equipment and utility conditions.
- Maintain a reliable and secure reporting system.
- Provide a secure environment to protect staff, product and research integrity.
- Provide safe and healthy work conditions to minimize risk and liability.
- Provide a state-of-the-art environment conducive to recruiting and retaining staff.

Our years of industry experience make Siemens the premier choice for facilities striving for the highest levels of research, diagnostics, or applied science. Let us take care of your operational needs, so you can take care of the science.

#### Highlights

- Solutions that help you meet current biosafety guidelines
- Solutions to meet both long- and short-term goals
- Solutions customized for meeting your program objectives
- Customized solutions to meet your monitoring and reporting needs

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This document contains a general description of available technical options. Any specific solution(s) will be based on a client's particular requirements and will be addressed in the contract for the project.

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