



TRANSFORMING THE EVERYDAY

Services for Life Science and Critical Environments

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SIEMENS

Smart infrastructure for life science

As the needs for testing, research, and space expand, we're harnessing our capabilities, expertise, and global network of partners to support Life Science and Critical Environments in a variety of ways:










- Supporting the rapid design and development of life science infrastructure
- Identifying sources of potential contamination and offering effective technologies and services to help mitigate those risks
- Developing a holistic approach for the Smart Spaces of the future

Intelligent, agile spaces for critical work

We make rooms and buildings as safe and comfortable as possible for the people who use them. By partnering with you, we design and implement service strategies to meet your business and research goals—services created to keep your Life Science and Critical Environments performing their best, as designed and intended to operate.

Our Life Sciences Services and Digital Services portfolios are all supported by Siemens' highly trained, specialized technicians who not only understand the technical aspects of their jobs, but they also understand how to work within your critical environment. We continually invest in our teams' ongoing education and training so we can work together and best support your critical work.

A comprehensive portfolio of services for **Life Science + Critical Environments**

 <p>Laboratory Ventilation Assessment Survey</p> <p>Receive expert advice to support your goals of regulatory compliance, reducing risk of employee exposure, uncovering productivity improvements.</p>	 <p>Fume Hood Testing</p> <p>Perform testing of fume hoods. Receive a written report with summary of hood performance and explanation of trends encountered.</p>	 <p>Room Pressurization and Environmental Testing</p> <p>Verify that air flows in the specified direction and document results for future reference and compliance efforts. For clean room environments, we can help reduce cross-contamination from adjacent areas. For Biosafety Labs, this service will include verification of door alarms and status, interlocks, and graphics.</p>	 <p>Energy Optimization Services</p> <p>Assess your current operations in alignment with facility goals and objectives to uncover energy efficiency and sustainability improvements. Ongoing energy management and optimization sustain improvements while taking a comprehensive approach to personnel safety, compliance, and comfort.</p>	 <p>GMP Assessment Survey</p> <p>Gain expert advice and clear recommendations for the design, testing, and operation of GMP environments.</p>	 <p>Change Control Services</p> <p>Establish a formal monitoring system to review proposed or actual changes that can affect a validated system or process. Perform periodic reviews of the system. Receive recommendations for corrective actions as appropriate.</p>	 <p>Validation Services</p> <p>Support your building management system (BMS) validation with an impact assessment, requirements development, validation documents, and standard operation procedures. You can use this service to develop and maintain validation guidelines for your BMS.</p>	 <p>Calibration Services</p> <p>Calibrate HVAC instrumentation to help ensure that critical measurements are within the tolerances you have specified. Ultimately this service helps reduce out-of-tolerance environmental conditions helping to ensure compliance with FDA and other regulatory standards.</p>	 <p>Remote Lab Reporting and Consulting</p> <p>Remotely retrieve data and generate safety and performance reports for fume hoods, lab rooms, and facility ventilation systems. We can help identify problem areas and suggest corrective actions where applicable.</p>
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Digital Services Portfolio

The world is becoming ever more digitized and connected, and billions of intelligent devices generate and exchange massive amounts of data, including your life science and critical environments. Siemens experts help you make sense of all that data while using it to transform your operations. By using data to focus activities on the highest priorities, we help you optimize workflow and enhance staff productivity. It is our unique combination of people, process, and technology, built on a foundation of more than a century of managing building performance, that enable us to deliver our comprehensive portfolio of digital services.

Remote Services	Monitoring Services	Analytic Services
Transform your space by leveraging digital tools and proactive remote services. Siemens specialists remotely monitor and, if possible, correct issues at your facility, resulting in faster resolution, fewer onsite visits, and improved productivity.	Translate your building's data into actionable information and real-time insights into performance and alarms. Together we can prioritize, plan for, and act on your system parameters and events.	Pair Siemens team of building experts with the Navigator cloud-based analytics platform, enabling predictive services, automated root cause analysis, and automated actions to help achieve your safety, security, efficiency, and compliance objectives.

For more information, visit usa.siemens.com/lifescience



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