



**SIEMENS**



**Advantage™ Services Capabilities**

Achieve optimal results for the life of your facility.

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# Siemens Building Technologies Advantage™ Services Capabilities



## Building Automation

Ensures automation systems and controls are performing at optimal levels, maintaining occupant comfort, and maximizing productivity and energy efficiency.



## Energy

Minimize both energy use and environmental impact while improving operations.



## Mechanical

Extends the life of mechanical equipment and maintains optimal performance for increased energy savings and occupant comfort.

### Manage System Operation & Compliance



- Maintenance Planning & Scheduling Support
- Compliance Audits
- Preventive Maintenance Services
  - Software
  - Controllers
  - Network
  - Digital and Pneumatic Controls
  - Third Party Services
- Data Backup & Restore Services
- Sensor Verification
- Calibration Services
- Emergency Response Services
- Repair & Replacement Services
- Spare Parts Inventory Management

- Performance Services - Advantage Navigator
- Metering & Submetering
- Supply Side Procurement Services
- Benchmarking (e.g., Energy Star)
- Energy & Water Master Planning

- Maintenance Planning & Scheduling Support
- Preventive Maintenance Services
  - Boilers
  - Chillers
  - Air Handlers
  - Cooling Towers
  - Fans
  - Package Units
  - VFDs
  - VAV Boxes
  - Computer Room Units
  - Motors & Pumps
  - Filtration

### Optimize Performance & Productivity



- System Performance Assessment & Strategy
- System Optimization Services
- Control Loop Tuning
- Integration Services
- Education Services
- Operator Coaching
- On-site System Operator / Staffing Support Services
- Remote Management Services

- Facility Improvement Measures
  - Building Automation
  - Mechanical
  - Electrical
  - Lighting
  - HVAC
  - Building Envelope
  - Water
- Chilled Water & VAV Optimization – Demand Flow
- Existing Building Commissioning
- Energy Audits

- System Performance Assessment & Strategy
- Eddy Current Testing
- Thermographic Studies
- Vibration Analysis
- System Optimization Services
- Non Chemical Water Treatment
- Education Services
- Operator Coaching
- On-site System Operator / Staffing Support Services

### Protect Lifecycle Investment



- Lifecycle Planning
- Firmware Updates
- Software Updates
- Server and Client Workstation Upgrades
- Technology Migration
- System Retrofit & Extension Services

- Fast Forward Energy Optimization
- Monitoring Based Commissioning
- Measurement & Verification
- Utility Bill Management

- Comprehensive Maintenance Services
  - Lifecycle Planning
  - Preventive Maintenance
  - Predictive Maintenance
  - Emergency Response Services
  - Repair & Replacement Services
- Limited Access Equipment Installation for Confined Space
- System Retrofit & Extension Services

# Expert Service with Proven Outcomes

Through our Proven Outcomes service model, we align our services with your business goals and key performance indicators. Our goal is to deliver tangible value to every customer through expert, outcome-based services.

Trust our service approach to meet your goals:

- Manage System Operation & Compliance
- Optimize Performance & Productivity
- Protect Lifecycle Investment



## Electrical

Ensures the reliability, uptime, performance, safety, and lifecycle management of the electrical systems infrastructure.

- Maintenance Planning & Scheduling Support
- Preventive Maintenance Services
  - Low Voltage Distribution
  - Medium Voltage Distribution
  - Power Monitoring Systems
- Performance Reporting
- Emergency Response Services
- Repair & Replacement Services
- Spare Parts Inventory Management

- System Performance Assessment & Strategy
- Arc Flash Hazard Analysis
- Low & Medium Voltage Cable Testing
- Power Quality Analysis
- Thermographic Studies
- System Optimization Services
- Education Services
- Operator Coaching
- On-site System Operator / Staffing Support Services

- Arc Flash Mitigation Solutions
- MV and LV Circuit Breaker Refurbishment
- Protective Relay Upgrades
- Power System Studies & Engineering
- Startup & Commissioning
  - Electrical Equipment
  - Warranty Services



## Fire Safety

Ensures critical systems are operating properly and are in compliance with local and national codes and industry-specific requirements.

- Fire Safety Assessment
- Test & Inspection
  - Extinguishing / Chemical
  - Fire Alarm System
  - Fire Dampers
  - Portable Fire Extinguishers
  - Sprinklers
  - Third Party Services
- UL / ULC Listed Monitoring Service
- Emergency Response Services
- Repair & Replacement Services
- Spare Parts Inventory Management

- System Performance Assessment & Strategy
- System Optimization Services
- Integration Services
- Education Services
- Operator Coaching
- Alarm Management Services
- On-site System Operator / Staffing Support Services

- Lifecycle Planning
- Software Upgrades
- Disposal of Fire Detectors
- Technology Migration



## Security

Ensures systems are fully functional and optimized to provide protection of people, assets, and property with minimal business interruption.

- Maintenance Planning & Scheduling Support
- Security Compliance & Policy Planning
- Security Assessment
- Test & Inspection
- Preventive Maintenance
  - Software
  - Controllers
  - Network
  - End Devices Including Cameras and Readers
- Data Backup & Restore Services
- Performance Reporting
- System Documentation Management & Update
- Emergency Response Services
- Repair & Replacement Services
- Spare Parts Inventory Management

- System Performance Assessment & Strategy
- System Optimization Services
- Integration Services
- Education Services
- Operator Coaching
- Access Control Management
- Alarm Management Services
- Hosting Services
- On-site System Operator / Staffing Support Services
- Video Monitoring & Management

- Lifecycle Planning
- Firmware Updates
- Software Upgrades
- Technology Migration



### U.S.-Based National Customer Service Center:

- 24/7 technical and emergency support and response services
- UL-listed, Central Station Alarm Association (CSAA) Five Diamond certified Central Monitoring Station (CMS)
- Fully-staffed, state-of-the-art facility
- Monitoring of fire, security, and building automation systems to provide appropriate response
- Call handling from highly trained, U.S.-based Siemens employees with local service dispatch



### Protect your building systems with the unmatched resources of Siemens:

- More than 2,000 service experts at 100+ offices across North America
- Local knowledge and expertise backed by global resources
- Dedicated, experienced, and highly trained service professionals that know your systems and building codes
- On-call service technicians available 24/7 for expedited service response

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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming, and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

**“We are the trusted technology partner for energy-efficient, safe, and secure buildings and infrastructure.”**

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