Analytic Services from Siemens

Making your building smarter

With the advent of digital technologies and analytics, building owners and operators are changing how they approach everyday maintenance. Instead of letting equipment run to failure or adhering to schedule-based preventive maintenance, we are seeing a transition to data-driven and condition-based maintenance strategies. The results? Maximized energy management and sustainability, optimized operations, improved productivity, and greater visibility into system performance through its lifecycle.

More building owners are turning to **Analytic Services** from Siemens to bring together a comprehensive team of building experts, the latest analytical tools, and end-to-end service delivery. These cloud-based services are designed to make buildings smarter and to identify and solve potential problems before they affect the entire organization.

CloudFIMs	CloudOps – Automation	CloudOps – Mechanical
Identify Facility Improvement Measures (FIMs) and implement them remotely to maintain an efficient and continuously optimized environment. CloudFIMs uses performance data and trends from the building automation system to identify and correct schedule and programming issues.	Take a systematic approach to test, verify, optimize, and maintain system performance through data-driven analytics and onsite scheduled O&M. CloudOps – Automation lets building owners focus maintenance activities and prioritize problem resolution to achieve operational and cost efficiencies.	Supplement traditional, planned maintenance with analytics and rules-based information to address problems as they occur. CloudOps – Mechanical includes monthly monitoring for a focused approach to onsite maintenance, which is performed only as required and based on the equipment's condition.

We start with our **Proven Outcomes** model for service delivery, which provides a measurable, step-by-step process for establishing the Key Performance Indicators (KPIs) that are meaningful to business needs and goals. These KPIs provide the framework for defining and delivering analytic services, and ultimately to demonstrate their value through regular reporting and transparency through Navigator, our web-based analytics platform.

Analytic Services from Siemens provide enhanced energy efficiency, precise system control, and mechanical operations improvements

	CloudFIMs	CloudOps – Automation	CloudOps – Mechanical
	Focus on the most common building problems and take proactive, corrective action remotely using the latest in building analytics. Improve energy efficiency through data-driven tasking and an accountability-focused maintenance program.	Achieve precise system control for both the building automation system and its peripheral controlled devices. Benefit from more frequent analysis to optimize critical spaces and equipment while realizing operational efficiencies from our systematic approach.	Drive improvements to mechanical operational efficiency and reliability through more frequent system "touches." Take advantage of system monitoring with specific mechanical systems rules in a web-based analytics platform.

Customer Value		CloudFIMs	CloudOps – Automation	CloudOps – Mechanical
	Primary focus	Energy efficiency	Precise system control	Mechanical operational efficiency
	Key benefits	• Proactively identify energy and operational efficiency improvements • Reduce total cost of building ownership • Prioritize activities based on business goals and impact • Leverage Navigator to ensure issue resolution and visibility	• Gain visibility into system performance • Reduce business and facility interruptions • Minimize visits to equipment until data suggest there is a fault • Increase system uptime and extend equipment lifecycle • Create positive environmental impact	• Drive mechanical system efficiency with a more efficient, focused maintenance approach • Address problems as they occur • Increase system uptime and extend equipment lifecycle • Use expert rules to identify issues before they affect operations
	Common KPIs	• Maximize energy efficiency • Continuous optimization • Low cost of entry	• Precise temperature control • Precise humidity control • System reliability	• Mechanical system reliability • Reduced operating costs • Focused maintenance requirements

Service Delivery		CloudFIMs	CloudOps – Automation	CloudOps – Mechanical
	Analysis frequency	Monthly	Monthly	Monthly
	Reporting frequency	Quarterly	Quarterly	Quarterly
	Remote fault resolution	Monthly, included	Depends on Service Agreement	Depends on Service Agreement
	On-site	As needed, on-call	• Baseline, end-to-end verification • Remediation based on agreement	• Startups and shutdowns • Remediation based on agreement

	CloudFIMs	CloudOps – Automation	CloudOps – Mechanical
Equipment options available	• AHUs • Boiler plant • Chiller plant (KPI monitoring)	• AHUs • Boilers • Chillers • Terminal units	• AHUs • Boilers • Chillers

These services are designed to support you on your digital journey. Trained experts, advanced technology, and proven processes harness the power of data to enhance your building in the key areas of **energy, operations, and compliance management; safety**; and **security**. The digital journey will be different for every business and every building. Regardless of how your journey begins, our digital offerings can lead the way, and we combine our Proven Outcomes model for service delivery to **define, deliver**, and **demonstrate** the value of Siemens services.

Secure, flexible remote connection

- Flexible – Siemens can connect wirelessly, via VPN client, virtual network, or separate network connection.
- Secure - **ISO 27001 Certification** applies to VPN client and virtual networks to specify the requirements for establishing, implementing, maintaining, and continually improving an information security management system within the context of the organization.