CONNECTED IN EVERY WAY. SMART IN EVERY SENSE.

Gladius Connected Buildings
The IoT platform for smart connected buildings from Mindtree. Get the best of OT, IT and IoT worlds.
Enter smart connected buildings

Move from a reactive to a dynamic building management system

Smart connected buildings go beyond automation of air-conditioning and lighting systems in isolation. Capable of connecting geographically dispersed buildings, they work on multiple aspects including management of multiple building systems, access control, and video surveillance; while integrating IT systems. As a result, you can achieve energy efficiency, better asset life, cost optimization, increased occupant comfort and centralized management.

While the current building systems are capable of operating in a lights on mode, they are inflexible and one cannot add new solutions. With the use of next-generation solutions that leverage mobility, cloud and the Internet of Things (IoT); today’s facility management have an option to move from a reactive mode to a more dynamic approach that is predictive and responsive. Here are six signs that you need smart connected buildings.

Gladius Connected Buildings platform

An IoT solution that acts as the smart layer to existing systems

We, at Mindtree, have developed an IoT platform called Gladius Connected Buildings (GCB), which simplifies management of geographically dispersed buildings. It combines the two ecosystems of the world of facilities also called operations technology (OT) and information technology (IT) to create a centralized, automated and intelligent platform.

The GCB platform is ‘Always On, Always Learning’ can adapt to changing building management goals as it supports industry protocols to communicate with multiple devices and systems.
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Gladius Connected Buildings has the capability to bring together multiple systems within the IT and OT realms. As a result, you can manage multiple equipment, third-party systems (e.g. access control and people counter), and IT systems (e.g. ERP, ticket management, etc.) from one solution – aka GCB. The platform is centralized, empowering the senior management team to get real-time data from a central location.

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The digital transformation prism of the Gladius Connected Buildings

Seamless integration of the OT and IT worlds
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Gladius Connected Buildings: Watches, Acts, Adapts to help you meet your building management goals

**Enhancing energy efficiency**
- **Watch** Continuously sensing environment, and monitoring occupancy & asset consumption
- **Act** Set intelligent rules and Control assets with Dynamic set points based on ambient conditions and occupancy level
- **Adapt** Analyze using past and current trends to make data based decisions and take corrective actions if needed

**Enhancing user comfort and operational efficiency**
- **Watch** Inputs from CCTV/People counter/RFID
- **Act** Integrate with individual systems, apply video and IoT analytics ▶ Alerts mobile app as a result of IT integration
- **Adapt** Alert ground staff about parking violations, garbage disposal and provides intruder alerts

**Enhancing occupant comfort and safety**
- **Watch** Inputs from CCTV/People counter/IT systems
- **Act** Intelligent HVAC controls ▶ Integrate with individual systems, apply video and IoT analytics
- **Adapt** Depending on the number of visitors you can set the AC levels either at a mall or a conference room

**Enhancing operational efficiency through process automation**
- **Watch** If assets are working in operating, failure or fault modes
- **Act** Automatic tickets will be generated on mobile app /email
- **Adapt** Evaluate asset breakdown periods/ assets through analytics upgrade or phase out equipment and reduce downtime and maintenance cost

Superior end user experience | Informed decision making | Optimize asset utility | Energy efficiency
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To achieve any of these building management goals, contact us at Smartconnected.Buildings@mindtree.com

For more details and demonstration of our product, visit us at mindtree.com/products/connected-buildings

About Mindtree
Mindtree is a global information technology solutions company with revenues of over USD 846 million. Our team of 19,400 experts engineer meaningful technology solutions to help businesses and societies flourish. We enable our customers achieve competitive advantage through flexible and global delivery models, agile methodologies and expert frameworks.

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