

# CorGrid Smart Building

QuickDeploy SaaS Application



## Automation with Intelligence are Redefining Smart Building

Our CorGrid Smart Building SaaS application brings advanced sensing, automated control, and AI-driven analytics to the entire facility.

Using cameras with embedded AI and a wide range of environmental and infrastructure sensors, the system monitors building conditions in real time, detecting anomalies, optimizing performance, and adjusting parameters automatically to maintain reliability and efficiency.

**CorGrid Smart Buildings:** IoT solutions to optimize operations through real-time data.

- Advanced HVAC and lighting systems reduce energy consumption.
- Occupancy monitoring improves space utilization and environmental conditions.
- Sensors and connected devices enhance energy management.
- Environmental monitoring ensures healthy air quality.
- Water management, structural health monitoring, and asset tracking increase efficiency.

Ensuring safety, efficiency, and operational excellence through intelligent monitoring and building automation.



Automated Visual Monitoring with AI



24/7 Building Monitoring



Incident and Anomaly Detection



Automatic System Intervention



[www.corgrid.io/smart-building/](http://www.corgrid.io/smart-building/)

**CORVALENT**™



# Eliminating Inefficiency, Waste and Operational Blind Spots

In today's commercial and industrial spaces, adding more technology is not enough, you must manage your buildings smarter.

Inefficient systems, manual inspections, outdated controls, and inconsistent monitoring lead to wasted energy, occupant discomfort, increased maintenance costs, and operational disruptions.

CorGrid Smart Building transforms this reality, turning traditional facilities into intelligent, self-regulating environments that deliver performance, efficiency, and comfort in every cycle.

EQUIPMENT / SENSOR	MONITORING	OBJECTIVE	RESULT
Occupancy Sensors	Human presence detection, People count, Area utilization	Automate HVAC & lighting based on occupancy	Lower energy consumption; Improved comfort
Air Quality Sensors (CO <sub>2</sub> , VOC, PM2.5)	Indoor air quality levels	Maintain healthy indoor environments	Higher productivity; compliance with IAQ standards
Smart Thermostats / Temperature Sensors	Room temperature; HVAC cycles	Optimize climate control	10–30% energy savings; Consistent comfort
Humidity Sensors	Indoor humidity balance	Avoid mold, condensation, and equipment degradation	Reduced maintenance costs; Improved health
Water Leak Sensors	Early leak detection in floors, ceilings, mechanical rooms	Prevent water damage and equipment failure	Lower repair expenses; Minimized downtime
Access Control & Door Sensors	Door open/close status; Unauthorized access	Strengthen security and automate building workflows	Improved security; Reduced manual checks; Improve HVAC efficiency
Lighting Sensors (Lux / Motion)	Natural light levels; activity	Automate lighting levels and reduce waste	Energy efficiency improvements; Longer bulb life

\*For complete list of sensors, contact us at [salesteam@corvalent.com](mailto:salesteam@corvalent.com)