

Aqueduct

Smarter Buildings with AI: Sustainable ROI Simplified

Aqueduct Intelligent Building and Facility Operations

Milvian Aqueduct™ is an innovative cloud-based building and facility management system that turns sustainability initiatives into a strategic business advantage. Working alongside existing building management systems, Aqueduct adds a layer of intelligence, integrating AI, predictive analytics, and digital twin technology to help organizations access new insights into building operations, drive measurable savings from sustainability projects, and create more efficient, safer, and environmentally responsible workspaces.

Demonstrate the Impact of Sustainability Programs

Aqueduct helps teams demonstrate the value of sustainability programs by identifying inefficiencies, optimizing energy use, and reducing costs. It improves equipment reliability, extends system lifespans, and enhances workplace safety by addressing environmental factors. With clear insights and measurable results, Aqueduct simplifies reporting, supports stakeholder communication, and fosters collaboration to validate and scale impactful sustainability initiatives.

Key Features

Cloud-Native Architecture

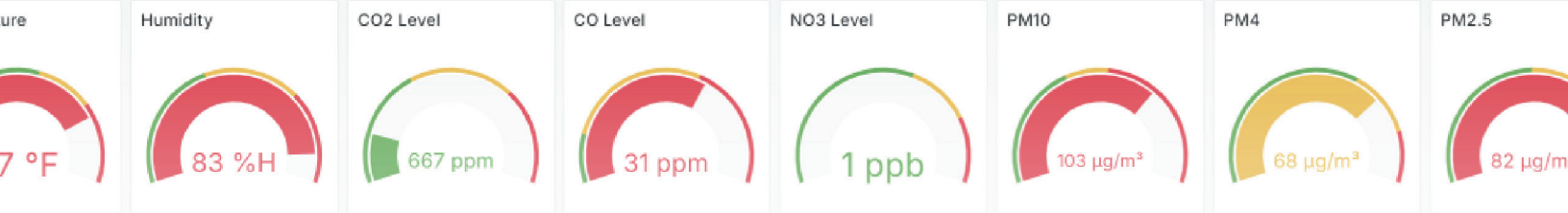
Deploy non-disruptively with enterprise-grade security and scalable rollouts across your portfolio.

Predictive Operations

Use AI for occupancy prediction, resource forecasting, and preventive maintenance with equipment and sensor health monitoring.

User-Centric Experience

Access role-based views, configurable alerts, intuitive navigation, and compliance reporting.



Simplify Sustainability: Monitor, Recommend, Improve

Organizations face mounting pressure to reduce their environmental impact while maintaining operational efficiency. Traditional building management systems are complex, and often fail to deliver clear ROI. Aqueduct changes this paradigm simplifying the journey:

Monitor: Complete Situational Awareness

Comprehensive view of your portfolio, from all buildings to specific zones and sensors

Live monitoring of water, air quality, gas, and electricity

Digital twins for visualizing system relationships between energy sources and consumers

Early detection of inefficiencies and anomalies

Recommend: Generative AI-Powered Building Operations

Natural language insights and recommendations

Proactive optimization suggestions

Automated anomaly detection

Cost-saving opportunity identification

Improve: Measurable ROI on Sustainability Improvements

Pilot project validation, and continued ROI tracking as the project scales

Clear tracking of cost savings and resource reduction compared to the improvements implemented

Track maintenance and sustainability goals

Who Benefits from Aqueduct?

Chief Sustainability Officers

Transform sustainability initiatives into measurable financial returns. With clear ROI metrics, Aqueduct supports data-backed environmental impact reductions and simplifies ESG reporting, turning sustainability efforts into a strategic advantage.





Facilities & Operations Leaders

Shift from reactive to predictive operations with AI-powered decision support. Gain complete operational visibility, reduce downtime, and lower maintenance costs, enabling smoother and more efficient building management.

Health & Safety Leaders

Ensure healthier, safer workplaces with air quality monitoring, proactive hazard prevention, and environmental health tracking. Aqueduct provides data-driven compliance tools that foster healthier workspaces and improve productivity.



Technology Leaders

Integrate seamlessly with zero disruption to existing systems. Aqueduct ensures enterprise-grade security for the cloud and IoT devices, offers automated monitoring, and reduces operational overhead, all while enhancing system efficiency.

Why Aqueduct?

Aqueduct Stands Apart

Aqueduct delivers proven ROI for sustainability initiatives through generative AI-powered intelligence. Its non-disruptive deployment model and scalability—from single facility to global portfolios—provide a clear path from pilot to enterprise-wide adoption.

Implementation

01

Pilot Phase

Establish baseline and validate ROI

02

Expansion

Scale to additional facilities with proven metrics

03

Enterprise

Full portfolio optimization and integration

The Bottom Line

Aqueduct transforms how organizations approach sustainability and building management. By providing clear visibility, actionable intelligence, and measurable returns, we help you turn sustainability initiatives into business advantages.

Why Milvian Group?

An AWS Select Partner, Milvian Group specializes in combining IoT sensor data with AI/ML to optimize manufacturing processes. With a deep understanding of the challenges manufacturers face in managing legacy systems and ensuring sustainability, we deliver solutions designed for today's complex industrial environments.

Jump-start your understanding of resource needs today with Aqueduct – the first step toward a fully optimized, data-driven future.