

Zaphire

Cloud Based Building Management System



Introduction

Zaphire is a Norwegian company based in Drammen. Since 2018, we have developed solutions for building automation and energy management with a focus on user-friendliness, safety and security.

Developed entirely in the cloud

As one of the first top-level building automation systems developed entirely in the cloud, Zaphire sets a new standard for availability, security and ease of use. With interactive system images, graphs and real-time data, you get clear insight into performance and energy use. Advanced alarm and event management ensures fast response and full traceability in operations and maintenance.

Zaphire is built on open standards and a secure cloud architecture based on zero-trust principles and encrypted communication. The result is a modern, flexible and future-proof platform for efficient building operations.

Below you can see some of the system's main features listed by category:

Control and automation

Direct control of technical systems	✓
Time scheduling and calendar-based operation	✓
Rule-based automation	✓
Manual and automatic override	✓
Central control across buildings	✓

Alarms and Events

Real-time alarms	✓
Alarm prioritization	✓
Notifications via email, SMS, and push	✓
Alarm history	✓
Event logging	✓

Security

Zero-trust architecture	✓
Encrypted communication (TLS 1.2 / 1.3)	✓
Two-factor authentication (2FA)	✓
Secure data storage and backup	✓

Visualization and insight

Interactive system diagrams	✓
Real-time values	✓
Graphs and trend curves	✓
Historical data	✓
Navigation between buildings, zones and component	✓

Energy and Performance

Real-time energy monitoring	✓
Historical energy consumption	✓
Power and performance analysis	✓
Data foundation for energy efficiency	✓
Export of energy data	✓

Integrations

BACnet	✓
OPC UA	✓
Modbus	✓
MQTT	✓
REST API	✓
Webhooks and third-party systems	✓

Quick Installation

Since Zaphire is built in the cloud, you can get started in just 20 minutes!

Future-Proof

Forget vendor lock-in. Our open system ensures you can integrate both new and existing technologies without limitations.

Security First

Zaphire is developed from the ground up with built-in cloud technology. This ensures high uptime, scalability, and maximum protection against digital threats.