



Sustainability & Resource Optimization

Partner-powered monitoring and analytics for energy, water, air quality, environmental performance, compliance, and critical infrastructure.

MEASURE • OPTIMIZE • REPORT • IMPROVE

From Resource Data to Operational Action

Monitor resources and environmental conditions

Horizon IoT works with organizations to identify, evaluate, integrate, deploy, and support sustainability solutions that improve resource efficiency, operational visibility, environmental performance, and regulatory compliance.

- Energy, water, air quality, HVAC, gas, temperature, humidity, and environmental monitoring
- Real-time alerts, analytics, dashboards, reporting, and operational visibility
- Partner technologies selected around facilities, infrastructure, compliance, and organizational requirements
- Integration with facility, utility, maintenance, cloud, and enterprise systems
- Flexible approaches supporting pilots, phased implementation, and future expansion



Key Platform Capabilities

1

Energy Monitoring & Optimization

Consumption visibility, peak-demand insights, equipment performance, and efficiency opportunities.

2

Water Monitoring & Conservation

Usage, flow, quality indicators, leakage awareness, and conservation analytics.

3

Air Quality & Environmental Monitoring

Indoor and outdoor environmental visibility, alerts, trends, and reporting.

4

HVAC & Facility Efficiency

Temperature, humidity, equipment performance, comfort, and operational optimization.

5

Gas, Temperature & Condition Monitoring

Gas use, refrigeration, cold-chain conditions, safety alerts, and asset protection.

6

Analytics, Compliance & Integration

Dashboards, reporting, operational records, alerts, and integration with existing systems.

Integrated Sustainability Technology Layers

User Experience

Dashboards, alerts, reports, mobile access, and operational workflows.

Applications & Analytics

Energy, water, HVAC, environmental, compliance, and resource-performance insights.

Data & Integration

APIs and connections with facility, utility, maintenance, cloud, and enterprise systems.

Connectivity & Cybersecurity

Cellular, Wi-Fi, secure remote access, encrypted transmission, and resilient networks.

Sensors & Infrastructure

Meters, air-quality devices, environmental sensors, gateways, controllers, and edge devices.

Sustainability Use Cases

Facilities & Campuses

Energy, water, HVAC, air quality, comfort, reporting, and facility-performance visibility.

Government & Smart Cities

Public infrastructure monitoring, environmental visibility, utilities, and sustainability initiatives.

Healthcare & Education

Indoor environmental quality, resource monitoring, operational resilience, and reporting.

Utilities & Critical Infrastructure

Consumption visibility, condition monitoring, alerts, maintenance coordination, and integration.

Cold Chain, Retail & Hospitality

Temperature, refrigeration, water, gas, energy, compliance, and quality monitoring.

Agriculture & Supply Chains

Water use, environmental conditions, traceability, resource planning, and operational insights.

Operational Outcomes

1

Visibility

A unified view of consumption, conditions, equipment, alerts, and operating trends.

3

Resilience

Earlier awareness of abnormal conditions, equipment issues, and operational risks.

5

Sustainability

Stronger awareness of energy, water, emissions-related activity, and environmental performance.

2

Efficiency

Insights supporting resource optimization, maintenance planning, and operational improvement.

4

Compliance

Dashboards, records, alerts, and reporting that can support organizational requirements.

6

Scalability

Modular partner technologies that can adapt to different facilities and evolving requirements.

Horizon IoT Delivery Approach



Partner-powered, Horizon IoT-led

Horizon IoT can deliver sustainability solutions through an ecosystem of OEMs, software providers, connectivity partners, cloud platforms, distributors, and specialized technology partners. Final architecture and capabilities depend on customer requirements and selected technologies.