



Complete Visibility Into Industrial Operations

Zotera Radius Gateway™

Enclosure



Front Panel



Rear Panel



Analytics at the “Edge”

A secure Platform that integrates IT and OT into one single system, in a single place: the “Edge”

Intelligence at the edge of the network allows analytics to be hosted at the location of data generation

Operational intelligence informed by Advanced Machine Learning, Predictive Models, & analytics

Integrates advanced Smart Sensors, and legacy SCADA systems for actionable insights

Data thinning analytics strip away all but precisely what is required for decisions and transmits Alerts & Alarms in Real-time to the cloud

Aggregates remaining data to be pushed to the cloud for deeper, non-time critical analysis



Contact Zotera: bizdev@zotera.com

Website: www.zotera.com



Complete Visibility Into Industrial Operations

Zotera Radius Node™



A small form factor that extends the Wireless Sensor Network

- Intelligence to sense, measure, interpret, and connect to the Zotera Radius Gateway
 - Wi-Fi, Ethernet, and LoRaWAN
- Data received by the Radius Gateway is aggregated, analyzed, and alerts pushed to the cloud.
- A powerful, feature rich and versatile HMI including runtime environment.
- Supports visualization of real time monitoring, historical data, and alarm dashboards.



Contact Zotera: bizdev@zotera.com

Website: www.zotera.com



Complete Visibility Into Industrial Operations

Zotera Insight™

A Command & Control Platform for Connected Facilities, Assets, and Vertical Industry Operations

Edge Platform

- Edge Computing, Data Acquisition, and HMI
- IIoT Smart Sensor Data
- SCADA Data Integration



Designed for the unique and demanding requirements of industrial applications.

Secure IIoT infrastructure connects, assets, sensors, systems, and subsystems into single operational platforms.

Advanced Command, Control, Analysis, Management, and Response capabilities.

Machine learning, and predictive models to provide actionable insights and operational intelligence.

Cloud Platform

- Real-time Monitoring Alerts & Alarms
- Predictive, & Prescriptive Analytics



Predictive, and prescriptive analytics.

Easily deployed on any cloud



Contact Zotera: bizdev@zotera.com

Website: www.zotera.com



A Catalyst to Accelerate Adoption & Growth of IIoT in Many Vertical Industries

Zotera's solutions are capable of transforming dozens of industries through automation, real-time analysis of data, alert systems, and predictive monitoring of infrastructure, assets, and facilities. With the ability to integrate legacy systems such as SCADA, we have addressed a significant challenge to the adoption of IIoT.

Energy

- Smart Grid Monitoring
- Power Plant & Sub-station Monitoring
- Smart Meters
- Intelligent Energy Storage
- Power Line Monitoring
- Tower Monitoring

Water Management

- Pump Station Monitoring
- Water Flow / Movement (conveyance, pumping etc..)
- Water Quality
- Remote Site Security

Oil & Gas

- Refinery, Pipeline, & Drill Site Monitoring
 - Pressure, Humidity, Temperature, Flow rates, etc..
- Pump Station Monitoring
- Well Monitoring
- Head Monitoring
- Fueling Station Monitoring
- Tank Farm Monitoring
- Field Crew Monitoring

Transportation

- Rail: Track-to-Train & Train-to-Track Communications
- Rail Yard Monitor
- Passenger Information
- Smart Public Transportation
- Cold Chain Monitoring
- Fleet Optimization
- Tolling Solutions
- Real-time Adaptive Traffic Management
- Fleet Management
- Safety & Security

Smart City

- Street Lighting
- Mobility
 - Public Transit Monitoring
 - Traffic/Congestion management
- Public Safety
- Environment & Water
- Digital Signage

Public Safety & Security

- Airports, Seaports, Municipalities, Roads, Railways, Borders
 - Surveillance
 - Biometrics
 - Chemical Detection
 - Noise Management

Agriculture

- Soil and crop behavior
- Weather conditions and forecast
- Animal conduct
- Farm machine status
- Storage tank, and outbuilding status

Telecommunications (Tower Management)

- Environmental Monitoring
- Power Monitoring
- Fuel Monitoring
- Security Monitoring

Building Automation

- Energy Optimization
- Asset Management
- Facility Management
- Video Surveillance Access Control
- Intrusion Detection
- Advanced HVAC
- Lighting

Partners



Contact Zotera: bizdev@zotera.com

Website: www.zotera.com