



INDUSTRIAL AUTOMATION / IoT

THE UNIQUE CHALLENGES

Industrial Automation is a broad category. It can refer to anything from manufacturing to oil and gas production to municipal services to a craft micro-brewery. All these businesses and services have been irrevocably affected by the growth of IoT and the availability of improved sources of data, monitoring and control.

They also have common challenges. Some often have far-flung locations without on-site staff, and streams of varied data that must be collected. While safety is always a top priority at industrial sites, improving workflow to better control operating expenses and boost efficiency and energy savings is also critical. Maintenance is a constant concern, with an emphasis on data-driven predictive analysis. And although real-time data is key for event mediation, historical data is as valuable to enable improvements.

HOW RADIX IoT AND MANGO OS ADDRESS THESE ISSUES

- **Operational Integration:** Monitor all your critical systems remotely, no matter where they are located, regardless of subsystem or software, from one unified central location. Mango easily integrates into existing sensing systems, and its single source of monitoring and analytics platform delivers data that is collected, analyzed, organized and available. This single source of truth simplifies management, improves production, and empowers reporting and prompt, data-driven business decisions.
- **Predictive Maintenance:** Get ahead of maintenance with proactive (instead of reactive) response to critical failures and reduce downtime. Track and schedule maintenance in advance to decrease costs and boost on-site safety and energy efficiency.
- **Real-Time and Historic Data:** Arm your managers with real-time data for event monitoring and mitigation, alert and alarming functions to ensure the right people are kept informed of critical information. Use vital historic data for trending and tracking operational expenditure to implement improvements.
- **Your Data, Your Way:** Every industry is different, with its specialized requirements. Mango offers clear data accessibility, and a customizable user interface. Get the data you need when you need it, presented in a way that's most helpful to you.
- **Scalability:** Scaling from one location to hundreds of geographically distributed sites, Mango scalability is limitless when it comes to monitoring multiple sites and systems.

TYPICAL ARCHITECTURE

