

# Enabling Smart Factory Optimization



With Industry 5.0, powered by connected devices, cloud innovation, and human-machine collaboration, manufacturers can harness data to gain deeper insights into products, optimize processes, and engage customers in transformative new ways.

**Predictive Insights:**

Use operational data to boost machine productivity.

**Proactive Maintenance:**

Reduce downtime by predicting failures and enabling scheduled interventions.

**Intelligent Diagnostics:**

Leverage AI and human-machine collaboration to detect anomalies and resolve faults.

**Collaborative Debugging:**

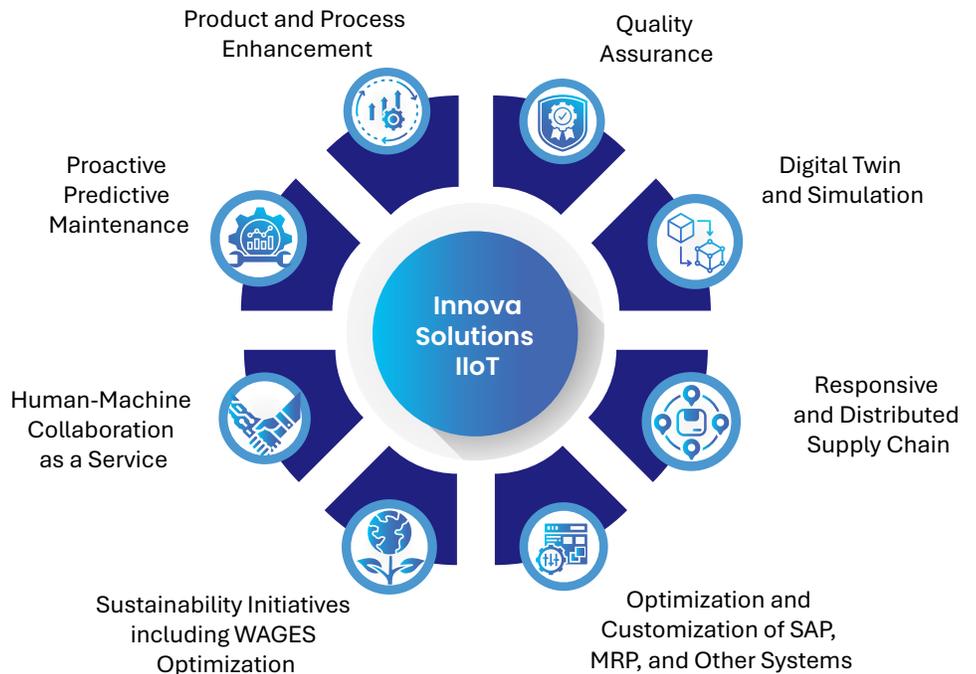
Save time during installation and troubleshooting.

**Connected Data:**

Access historical insights to drive efficiency across operations.

## Our Value Proposition

Manufacturers can now engage in real-time collaboration with humans and machines, prompting them to reevaluate and enhance their processes, product lines, and business strategies. This enables the provision of goods and services tailored to the specific needs of individual customers, while also promoting conduct that is both ethical and socially conscious across the entire supply chain. Furthermore, it ensures that advancements in technology provide advantages to all parties involved, from workers to the wider community.



# Key Features



## Edge Gateway Connectivity:

Connect PLCs securely to the cloud through edge gateways—unlocking scalable, real-time data access.



## Real-Time Metrics Dashboards:

Empower executives and plant supervisors with instant OEE/OPE insights for faster decisions.



## Multi-Plant Scalability:

Unify operations across multiple plant sites through a centralized cloud framework—ensuring consistency.



## Comprehensive Risk Assessment:

Identify gaps in your IoT infrastructure with risk reports & actionable remediation support.



## Multi-PLC Support:

Gain flexibility with compatibility across a wide range of leading PLCs.



## Advanced Visualization:

Transform complex data into intuitive dashboards for actionable performance monitoring.

# Key Benefits

**28%** manufacturers reported significant benefits of human-machine collaborations

## Factory Optimization Keeps Manufacturers Competitive

Connected phenomenon of human and machines help manufacturers continuously optimize their factory operations

**15%** of manufacturers consider predictive maintenance as a preferred benefit of connected machines

## Predictive Maintenance Helps Avoid Costly Downtime

Manufacturers offers a proactive maintenance approach that eliminates unscheduled downtime, decreasing maintenance expenditures and increasing production capacity

**25%** manufacturers regard security as a critical challenge

## Security Designed for IoT

AWS IoT secures and protects IoT devices from intrusion and data leaks by providing industrial companies with end-to-end device security and leveraging human centric design concepts to reduce risk in Industry 5.0 environments

# Why Choose Innova Solutions?

**IoT Expertise :** Deep expertise in Industrial IoT platforms, bridging data gaps and enabling seamless human-machine collaboration.

**Proven Track Record :** Successful delivery of IoT programs for leading enterprises, driving higher efficiency, resilience, and reduced operational costs.

**Trusted Partnerships :** Strong ecosystem of technology alliances and certifications, ensuring future-ready IIoT solutions tailored to client needs.

**Global Presence :** Extensive network of IoT experts delivering scalable, secure, and sustainable solutions worldwide.



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## About Innova Solutions

Innova Solutions is a global technology and talent partner specializing in transformative digital solutions. Since 1998, we've integrated next-gen tech with our accelerated engineering methodology to help the world's leading organizations solve complex challenges, drive rapid innovation, and achieve valuable outcomes. With curated talent communities specializing in cloud, data & analytics, digital product engineering, AI & automation, and cybersecurity, we partner with clients across industries to modernize faster and operate smarter.

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