Edge AI for Manufacturing

Optimize and transform operations with AI.

Business challenge

Staying ahead of the curve can be challenging for manufacturing organizations facing new hurdles to keep up with modern needs and manage uncertain economic times. With the help of data analytics and AI, manufacturers can close gaps and accelerate transformation.

How we help

Insight supports manufacturing organizations by meeting them where they are and developing a strategic path forward with the help of AI. Through reviews and thorough analyses, we develop a roadmap for future-ready IT/OT operations.

With the power of data analysis and AI, manufacturing clients can accelerate business goals and transformation. These cutting-edge approaches often significantly and positively impact visibility, costs and efficiency.

Common manufacturing business challenges include:

- Ensuring safe operations
- Operational efficiency
- Customer experience
- Competition and economic pressures
- Visibility and monitoring
- Crisis response time
- Quick decision-making
- Balancing IT and OT

Benefits

+ Reduce costs with improved maintenance while offloading staff intervention.

+ Improve customer experiences with less downtime and better interactions.

+ Enhance efficiency and automation with streamlined monitoring and management.

Our partner

intel

Related services

Managed Services

XaaS

Edge compute

The impact of AI for manufacturers

Agile response and decision-making

With AI at the edge, manufacturers can leverage the power of actionable insights from data and even set up automated decision-making processes.

Proactive monitoring

Enhanced monitoring can mean safer operations and quicker response during a crisis. Additionally, having access to better monitoring means disruptions are minimized and business processes can keep flowing.

Maintenance and processes

With the help of automation, repeatable processes can be handled automatically. Furthermore, maintenance monitoring and management can be streamlined and simplified.

Converging IT and OT

Rather than viewing these as two separate aspects of manufacturing business, organizations can strategically align them to empower growth. With the help of data, automation and AI, IT and OT can work in harmony and their combined value can be realized.

Client story: Industry-leading optimization captures competitive edge

This leading auto manufacturer needed a solution that could serve a couple of top priorities. With the help of Insight, this client implemented a first-of-its-kind automated tire management system — unlocking a competitive edge while reducing downtime of its fleets.

Outcomes:

Reduced tire-related downtime
by nearly 50%

Improved safety and support for
7,500+ vehicles

Unlocked
competitive differentiation
with automated solution and real-time analysis app

Established
AI Center of Excellence (CoE)
for long-term success

Driving innovation with digital transformation

At Insight, we help clients enable innovation with an approach that spans people, processes and technologies. We believe the best path to digital transformation is integrative, responsive and proactively aligned to industry demands. Our client-focused approach delivers best-fit solutions across a scope of services, including the modern workplace, modern applications, modern infrastructures, the intelligent edge, cybersecurity, and data and AI.

Learn more at insight.com.

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