

CONNECTED MANUFACTURING AND THE CLOUD

What to look for in a cloud-based manufacturing solution



Connected manufacturers lead the industry because they use digital technologies and total system connectivity to turn real-time data into action.



The promise of connected manufacturing can only be achieved with a robust, proven cloud platform providing the **security**, **agility**, **scalability** and **extensibility** manufacturers demand.

SECURITY

With a cloud system, security and service continuity are table stakes.

Supported by features like:

- Data encryption
- Multi-factor authentication
- Identity access management
- Full backup, redundancy, and disaster recovery

What to look for from the cloud service provider:

- Financial stability and business growth
- At least 99.9% guaranteed uptime
- Disaster recovery plan
- Redundant data centers

AGILITY

Adapt your business while growing, adding new technologies, and taking on industry challenges.

Supported by features like:

- Flexible, application-friendly platform
- Multiple manufacturing modes
- Configurable user experience
- Multiple languages, currencies and date formats

What to look for from the cloud service provider:

- Configurable settings
- A secure document control system with workflow
- Supports IIoT, incorporates new data sources and sensor signals
- Robust integration platform

SCALABILITY

Even the largest global enterprise conducting millions of transactions can use a cloud system with no degradation in performance.

Supported by features like:

- Unlimited data storage
- Capacity to expand or contract with your business
- Support for multiple locations
- Addition of users, devices, wearables and machines without degrading performance

What to look for from the cloud service provider:

- Ability to handle big data analytics
- Real-time machine telemetry on the shop floor
- Rapid facility turn-up and multi-facility data consolidation
- Mobile-ready infrastructure that supports rapid innovation

EXTENSIBILITY

Leverage other technologies and ecosystems to strengthen your business's capabilities

Supported by features like:

- Application programming interfaces (APIs)
- Integration Platform-as-a-Service (iPaaS)
- Electronic data interchange (EDI)
- Open database connectivity (ODBC)

What to look for from the cloud service provider:

- Ability to customize screens, reports, data queries and dashboard analytics with no programming knowledge
- Robust partner ecosystem for your specialized business needs
- Simple connectivity to external solutions, technologies, and EDI trading partners

Download the Definitive Guide to Connected Manufacturing for insightful navigation on your journey.

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