

Microsoft AI Stack for Manufacturing

The New Imperative: Agentic AI and The Capacity Gap

82%

82% of leaders expect to use digital labor to expand workforce capacity in the next 12-18 months.¹

Manufacturers are shifting from if to how—accelerating Copilot, Studio, and Azure investments.

81%

81% expect AI agents in customer or intensive processes within 12-18 months; 24% already deploy AI organization-wide.²

Agentic AI is moving into production—requiring governance, identity, and data foundations now.

42%

70-85% of AI projects fail to meet expectations; 42% of companies abandon most AI initiatives by 2025.³

The biggest barrier is readiness—success depends on strategy, adoption, and strong foundations.

Microsoft Copilot+ PCs: The On-device Layer

Copilot+ PCs are up to 5x faster than legacy Windows PCs still used on plant floors.⁴

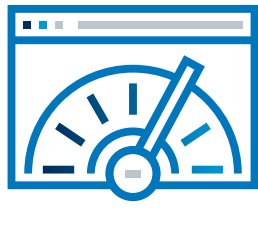
Enables engineers and operators to analyze and act in seconds—not minutes.

Each Copilot+ PC delivers 40+ TOPS of AI performance.⁴

AI runs on-device—supporting real-time decisions, smarter workflows, and secure local data processing.

Copilot+ PCs are up to 3.7x faster on AI workloads than previous-generation devices.⁵

Modern hardware ensures manufacturing teams are ready for the next wave of AI-driven operations.



The State of AI at Work

75% of workers use AI at work; 46% started in the last six months.⁶

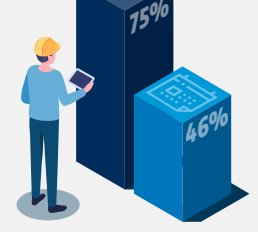
AI adoption is already happening—often outside IT—creating urgency for secure, governed deployment.

Employees spend 57% of their day communicating, but only 43% creating.⁷

AI assistants help reclaim time from low-value tasks and shift focus to higher-impact work.

79% of leaders say AI is critical to stay competitive—but 60% lack a plan.⁸

The gap is execution—organizations need a clear, business-aligned AI roadmap.



Microsoft 365 Copilot and Copilot Studio ROI

132-353% projected ROI over 3 years with Microsoft 365 Copilot.⁹

Shifts AI from productivity gains to measurable business impact.

70% of users report higher productivity; drafting tasks up to 29% faster.¹⁰

Speeds key workflows like reporting, communication, and content creation.

Copilot accelerates meeting catch-up by 4x and reduces onboarding time by up to 60%.¹¹

Frees capacity and helps teams get productive faster.



Microsoft Azure and Azure AI Foundry

\$13B Azure AI revenue in 2025, growing 175% year over year.¹²

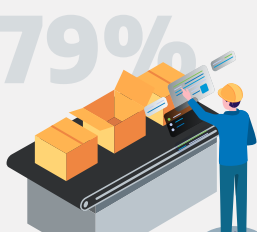
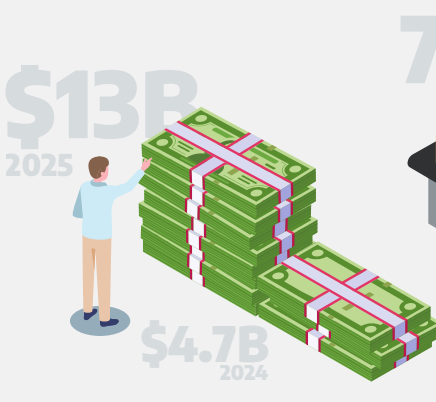
AI is moving to production scale—powering real-world manufacturing use cases.

79% of Azure customers use AI/ML; 72% have adopted generative AI.¹²

Organizations are actively deploying AI—not just experimenting.

Microsoft has invested \$108B+ in cloud infrastructure and 60+ AI data center regions.¹³

Global scale ensures performance, security, and resiliency for complex operations.



Microsoft Fabric and Data Governance (Purview)

28,000+ organizations use Microsoft Fabric; up to 379% ROI over 3 years.¹⁴

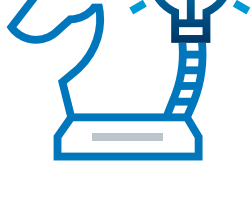
Unifies data and analytics into a single platform to drive measurable outcomes.

67% of Fortune 500s use Fabric; 84% run 3+ workloads.¹⁵

Scaling from pilots to enterprise-wide data platforms.

Up to 73% of enterprise data goes unused; up to 90% in industrial settings.¹⁶

Fabric and Purview help unlock and govern data for AI-driven insights.



Manufacturing-specific AI Impact

Predictive maintenance can cut downtime by up to 50% and reduce costs 10-40%.¹⁷

AI helps manufacturers prevent failures and keep operations running.

Unplanned downtime costs \$260K/hour—and up to \$2.3M/hour in automotive.¹⁸

Even small improvements deliver significant financial impact.

74% of manufacturers report a skilled labor shortage; 94% plan to use AI to close the gap.¹⁹

AI augments workers—boosting productivity in labor-constrained environments.



How Connection Can Help

Connection is your partner for modern AI infrastructure solutions and services.

From hardware and software to consulting and customized solutions, we're leading the way in infrastructure modernization in manufacturing.

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Microsoft 365

Copilot+PC

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