

\$16B USD

 global revenues from IIoT
device and app platforms
by 2026

\$75B USD

 3D printed products and parts in
USA by 2026

54%

 of Condition-based Monitoring
Systems will feed into Digital
Twins by 2026

ABI Research's Smart Manufacturing market intelligence provides deep, authoritative insight on the technologies, services, and solutions providers impacting the Industrial IoT value chain. Our extensive research, includes data, trend, and forecast reports, examines the impact of key enabling technologies such as additive manufacturing, augmented reality (AR), analytics, automation, digital twins, industrial connectivity, remote monitoring, IIoT platforms, connected sensors and robotics on design, manufacturing, maintenance, operations, and service workflows. We uncover the critical information technology end-users, implementers, investors, suppliers, governments, and economic development groups and other stakeholders need to manage IT/OT integration.

TOP QUESTIONS WE RECEIVE FROM INDUSTRY INNOVATORS

- How have you seen manufacturing technology evolve over the past year or so?
- What do companies need to do to implement and scale these technologies?
- What inhibits them from scaling, even with successful PoCs?
- What technologies do you expect will change day-to-day operations in a manufacturing plant the most? How?
- What industries are best and worst positioned to adapt to the evolving global manufacturing sector?
- Where do you see the most innovation right now?
- What are the biggest challenges in commercializing innovations in the UK manufacturing sector?
- How do you extend policy and management across all device types / distributed things more than just handsets and tablets?
- How do you integrate a security approach?
- How do you provision apps in the thing domain and integrate with digital assets?
- What are the technologies in each domain that are underpinning this convergence?
- What is the converged governance model?
- What process are likely to be harmonized first and why? How?
- What are the common KPI that need to be applied?
- How will data management be harmonized?
- What does Edge Analytics mean for manufacturing?
- Which data contains valuable insight? Which data is disposable? Perishable? Who owns it?

COVERAGE AREAS

- Connected industrial sensors
- Optimized edge vs. cloud computing
- Industrial equipment
- Industrial IoT infrastructure
- Industrial gateways, routers, and appliances
- IT/OT convergence and integration
- IIoT / Smart Manufacturing
- application enablement
- Collaborative Robotics
- Industry 4.0
- Industrial wireless technologies, sensor networks, and platform services
- Enterprise 3D printing and distributed manufacturing
- Digital twins
- Artificial intelligence (AI) in Smart Manufacturing
- Industrial Internet platforms and services
- M2M services in manufacturing and the role of IoT platforms
- Industrial Automation
- LPWAN in Industrial IoT
- 5G in IIoT
- Enterprise mobility and IoT platform convergence
- Industrial Augmented Reality (AR) and Wearable tech
- Data management
- Smart Manufacturing startups, hot tech innovators
- Technology lifecycle management
- Smart Manufacturing business models and best practices

KEYWORDS

- IIoT platforms
- Additive manufacturing
- Edge
- Cloud
- IoT
- Industrial IoT
- Industry 4.0
- IT
- OT
- Enterprise 3D printing
- Artificial intelligence
- Machine Learning (ML) / Artificial Intelligence
- M2M
- Connectivity
- Routers
- Gateways
- Fog/edge computing
- Industrial network technologies
- Industrial control systems
- Industrial Internet
- Robotics
- Message Queueing Telemetry Transport (MQTT)
- Monitoring and management
- Data analytics
- Industrial IoT (IIoT)
- Digital twins
- Industry/Industrie 4.0
- Smart Manufacturing
- Wireless sensor networks
- PLC, RTU, DCS, and SCADA systems
- Design thinking
- Automation