$115B USD
global revenues from integration, storage, analysis, and presentation of IoT data 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 3D printing, augmented reality (AR), analytics, automation, digital twins, industrial connectivity, remote monitoring, 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 need to manage IT- and OT-centric systems convergence.

TOP QUESTIONS WE RECEIVE FROM INDUSTRY INNOVATORS

- 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

- 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

- 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