

# Industrial IoT, Data Analytics, and Artificial Intelligence in Connected Manufacturing 2017 - 2022

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## Abstracts

The combination of certain key technologies are anticipated to substantially advance the Industry 4.0 revolution towards increasingly smarter manufacturing. Those technologies are Industrial IoT (IIoT), Data Analytics, and Artificial Intelligence. In terms of core functionality for Connected Manufacturing, IIoT provides the basis for communications, control, and automated data capture.

Data Analytics provides the means to process vast amounts of machine-generated and often unstructured data. Accordingly, Big Data technologies and predictive analytics enable streamlining of industrial processes. AI technology provides the means to further automate decision making and to engage machine learning for ongoing efficiency and effectiveness improvements.

This research evaluates the technologies, companies, and solutions involved in next generation manufacturing. The report assesses the impact of IIoT, Data Analytics, and AI on manufacturing efficiency and effectiveness. The report also analyzes how these technologies will lead to optimizing manufacturing for product and service improvements, new revenue streams, and new market opportunities for product lifecycle management and customer relationship management. The report includes forecasts for each technology area as well as the global and regional outlook for manufacturing from 2017 to 2022.

Select Report Findings:

North America will be the second largest market at \$15.9 billion by 2022

Connected manufacturing Consulting services will be a \$4 billion business by

2022

Europe will be the top revenue region with \$19.6 billion by 2022 with Germany leading the region

Manufacturing data analytics platforms represent the fastest growth product segment by 2022 with a CAGR of 55.4%

Target Audience:

IoT companies

Robotics companies

Manufacturing industry

Infrastructure providers

Cloud services companies

Network service providers

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