



\$9.89 Bn

### Manufacturing Market Size

Estimated global AI in market size in manufacturing by 2027



65%

### Improved operations

Improvement in service levels by implementing AI-enabled supply-chain management



24.2%

### CAGR

Estimated CAGR for AI in manufacturing for the forecast period 2019-2027



## CHALLENGES

***Lack of accurate mechanism to identify defects in the products***

***Need to estimate potential downtimes in machines***

***Need for standardized and consolidated datastore for analysis***

***Demand for immediate query resolution***

***Lack of accurate and real time asset monitoring mechanism***

**Visual Inspection**

Leveraging computer vision technologies to help the manufacturers speed up the quality control processes by automatically detecting product defects.

**Business Impacts**

Single source of truth for a Customer 360 view

Customer Profiling & Segmentation

**Predictive Maintenance**

AI enabled machine health analysis and estimation of subsequent downtimes

**Business Impacts**

Data ingestion can be auto-scaled to upto 5 million rows/second

Near real time inference (15 seconds) of time series telemetry data

**Intelligent Manufacturing Data Engine**

Build private, secure and efficient gateway to migrate historical data to GCP to analysis and visualisation

**Business Impacts**

Consolidated Data

UI to help visualize, analyze, set alerts, and control variables

**Supplier Chatbot**

Intelligent Chatbot to optimise the query resolution process for the suppliers

**Business Impacts**

Reduced time & efforts

24/7 year wide assistance

Transformative Automation

**Digital Twin**

AI-based digital twin to automate the decision-making process fetching real time data from physical assets

**Business Impacts**

Real time health monitoring of assets

Transparency between multiple business operations

Quantiphi is an award-winning AI-first digital engineering company driven by the desire to solve transformational problems at the heart of business. Quantiphi solves the toughest and complex business problems by combining deep industry experience, disciplined cloud and data engineering practices, and cutting-edge artificial intelligence research to achieve quantifiable business impact at unprecedented speed. Visit [www.quantiphi.com](http://www.quantiphi.com)

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