

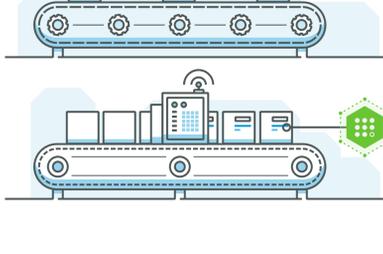
IIoT Impact on the Manufacturing Industry

In a world of automated machines and systems, digital transformation and Industry 4.0 are key to optimizing manufacturing processes. Integrating the Industrial Internet of Things (IIoT) helps businesses connect critical assets, extract data, and improve factory operations.



The Current State of IIoT Adoption in the Manufacturing Industry

Based on present use, IIoT is already making a difference in many manufacturing environments:



77% currently have an IIoT solution in place

44% have used IIoT for 12 months or more

33% established their IIoT solution in the past 12 months

98% of adopters indicated their solutions are very or somewhat important for their company

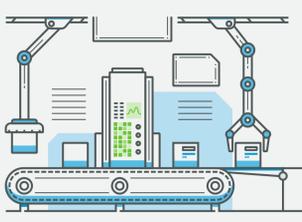
20% plan to implement an IIoT solution this year

Solution implementation is based on business needs

76% Cloud-based
Preferred method, likely due to ease of use and lower costs

24% On-premise

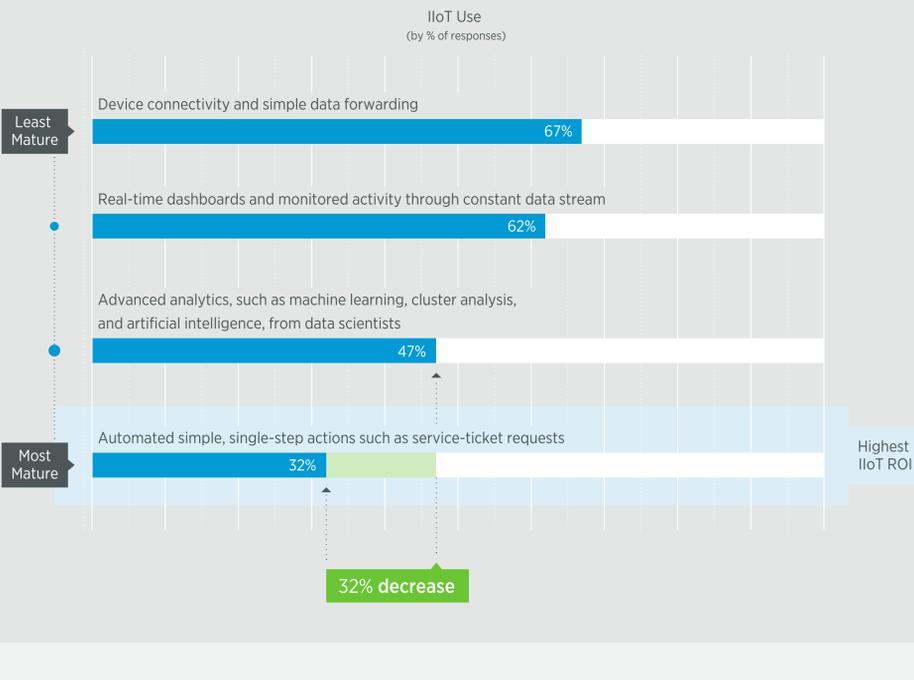
Evolution of the Manufacturing Business Model: Increasingly Prevalent Connections



The Bsquare Maturity Model identifies a framework for IIoT advancement and ROI realization in industrial environments.

Here's how the manufacturing industry sits:

IIoT Maturity Model



IIoT ROI shines once businesses apply machine learning to identify data correlations in real-time. Based on this industry snapshot, manufacturing companies have significant opportunity to advance their IIoT capabilities—with impactful results.

Considered Industry Impact at a Global Level



Enhancing Operations Performance with IIoT

For manufacturing and industrial environments, maintaining and optimizing equipment and operational parameters are essential for an efficient supply chain.



Current adopters cite these top business challenges targeted by IIoT solutions:



95% Logistics (including factory floor)



82% Machine health



34% Operating costs

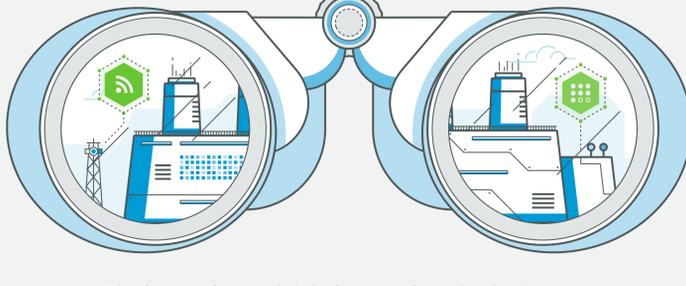
84% consider their IIoT solutions to be extremely/very effective

Organizational Performance Improvement:



- 44% Significant
- 44% A Fair Amount
- 10% A Little
- 1% Don't know/Not applicable

Look to a Future of Digital Transformation



The future of IIoT is bright for manufacturing businesses.

In the next 12 months...

With no investment decreases, the ROI of IIoT is clear.



78% Investment will increase



20% Investment will not change



0% Investment will decrease

Business challenges next on the docket include:



29% Orchestrating complex actions across multiple systems (such as equipment to inventory)



11% Orchestrating single-step actions (such as service ticket requests)



8% Using a data stream to populate real-time dashboards

Bsquare software solutions and IIoT systems have been deployed by various enterprises to optimize business performance through more effective asset monitoring—and more.

Download the Bsquare 2017 Annual IIoT Maturity Survey, and learn more at Bsquare.com.

All data is from the Bsquare 2017 Annual IIoT Maturity Survey, spanning Manufacturing, Transportation, and Oil and Gas industries. The online survey was conducted in the US between August 15, 2017, and September 1, 2017, and reached 310 respondents with functional operations responsibilities and roles of manager level or higher at companies with annual revenues of more than \$250 million for Transportation/Manufacturing and in excess of \$400 million for Oil and Gas.