

The U.S. and China Invest Heavily in Industry 4.0 Technologies to be the World's Largest Manufacturer

The Industry 4.0 Market & Technologies. Focus on the U.S. – 2018-2023 report forecasts that the U.S. Industry 4.0 2016-2023 market will grow at a CAGR of 12.9%

WASHINGTON DC, DISTRICT OF COLUMBIA, UNITED STATES, February 12, 2018 /EINPresswire.com/ -- The United States, the world's second largest manufacturer, with a 2017 industrial output reaching a record level of \$2.2 trillion, will apply [Industry 4.0](#) technologies to replace China as the world's largest manufacturer. The "[Industry 4.0 Market & Technologies. Focus on the U.S. – 2018-2023](#)" report forecasts that the U.S. Industry 4.0 2016-2023 market will grow at a CAGR of 12.9%.

Restoring manufacturing jobs to the United States struggling Rust Belt communities and corporate tax cuts were two of President Donald Trump's biggest campaign promises. It is expected that Trump's administration will follow Obama's (2011) Industry 4.0 policy, the formation of the Advanced Manufacturing Partnership (AMP), a national effort bringing together industry and the Federal Government to invest in Industry 4.0 technologies.

Since 2002, large-scale transfers of production to other parts of the world have resulted in a sharp increase in the U.S. dependency on imports. The number of people employed in the industry fell by 33% between 2002 and 2015. However, there have been some



Global-Industry-4.0-Market-Size-2016-vs.-2023

	HSRC	Report 1	Report 2	Report 3
Money Back Guarantee*	Yes	No	No	No
Research Sources				
# of Focus Groups Conducted	31	No	No	No
# of Face-to-Face Interviews	75	NA	NA	NA
# of Responders to Meta Research*** Questionnaire	>4000	0	0	0
# of Papers & Reviews Analyzed	477	NA	NA	NA
The Report Includes				
# of Sub-Markets Presented & Analyzed	188	53	72	110
# of Technologies Analyzed	15	12	8	8
# of Industries Analyzed	12	20	10	10
# of Countries Analyzed	22	11	3	13
# of Segmented Regions Analyzed	5	6	4	4
# of Segmented Revenue Sources	4	3	0	0
# of Vendors Analyzed & Presented	49	8	17	36
# of Industry 4.0 Papers & Reports Analyzed & Links	477	0	0	0
List of References and Links	955	0	0	15
# of Pages	640	NA	<130	<220
# of Tables & Figures	270	NA	<60	<140

HSRC Industry 4.0 Report Vs. Competition

signs of a gradual recovery since 2010 with rises in both domestic and export demand.

The Federal Government and the private sector are investing in Industry 4.0 technologies to increase the American industrial base which has been taken over by China and low labor cost countries such as Mexico, Brazil and Asia-Pacific. During Trump administration's first year, American factories are adding jobs at the fastest pace since 2014. The U.S. media has been quick to seize on terms such as "re-shoring" and "insourcing boom" to describe what it already perceives as a fundamental change.



The global Industry 4.0 market race is led by U.S. tech giants, which have invested billions of dollars in Industry 4.0 core technologies, products R&D, M&A, commercialization & internal use. The transformation of the economy, being brought about by Industry 4.0, means that business processes such as supply, manufacturing, maintenance, delivery and customer service will all be connected via the Industrial IoT systems. These extremely flexible value networks will require new forms of collaboration between companies, both nationally and globally.

The "Industry 4.0 Market & Technologies. Focus on the U.S. – 2018-2023" report is the most comprehensive review of this emerging market available today. It provides a detailed and reasoned roadmap of this rapidly growing market. According to the report, the market will undergo a major transformation in 2018-2023 through the following drivers:

- The U.S.-China competition in the manufacturing sector is becoming fiercer and fiercer
- The United States, the world's second largest manufacturer, with a 2017 industrial output reaching a record level of approximately \$2.2 trillion, will apply Industry 4.0 technologies to replace China as the world's largest manufacturer.
- The U.S. Federal Government manufacturing industries invest in Industry 4.0 to increase the American industrial base taken over by China, Mexico, EU and emerging economies Federal funded Industry 4.0 projects, R&D, subsidies, tax incentives and the December 2017 tax reform act
- Unprecedented opportunities to optimize production processes
- Industry 4.0 offers American start-ups and SMEs the opportunity to develop and provide downstream services
- Industry 4.0 dynamic business and engineering processes enable last-minute changes to production and deliver the ability to respond flexibly to disruptions and failures on behalf of suppliers and customers
- Industry 4.0 provides the link to the consumer, and can forecast consumer demand

With a highly fragmented U.S. Industry 4.0 market the report addresses the "money trail" via the following 3 bottom-up market size vectors:

_ By Industries:

1. Aerospace I4.0
2. Defense I4.0
3. Agriculture I4.0
4. Food I4.0
5. Automotive I4.0

6. Chemical I4.0
7. Electronic Hardware I4.0
8. Electrical Hardware I4.0
9. Energy, Power I4.0
10. Oil & Gas I4.0
11. Machine Industry I4.0
12. Pharmaceutical I4.0
13. Biotechnology I4.0
14. Semiconductors I4.0
15. Other I4.0 Industries

_ By Industry 4.0 Technologies:

1. Additive Manufacturing- 3D Printing
2. Advanced Human Machine Interface
3. Artificial Intelligence
4. Industrial Robots
5. Big Data & Analytics
6. Cybersecurity & Cloud Computing
7. Horizontal and Vertical System Integration
8. Industrial IoT (IIoT)
9. Sensors
10. Simulation
11. Virtual Reality & Augmented Reality
12. Predictive Maintenance

_ By 4 Revenue Sources:

1. Product Sales
2. System Installation, Integration & Commissioning
3. Aftersale Maintenance, Upgrades & Spare Parts
4. Consulting, Planning & Training

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- The Industry 4.0 Market by Industry (Aerospace & Defense, Agriculture, Food, Automotive, Chemical, Electronic & Electrical Hardware, Energy, Power, Oil & Gas, Machine Industry, Pharmaceutical & Biotechnology, Semiconductor and Other Industries) – 2018-2023
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