

Industry 4.0 Market Will Reach \$214B by 2023

The Industry 4.0 market is dominated by global technology giants including Alphabet-Google, HP, Samsung, IBM, NEC, Microsoft, and more.

WASHINGTON DC, DISTRICT OF COLUMBIA, UNITED STATES, January 29, 2018 /EINPresswire.com/ -- According to the new 4-volume report by HSRC; Global [Industry 4.0 Market & Technologies 2018-2023](#), the Industry 4.0 market is projected to reach \$214B by 2023, outweighing the projected 2023 cybersecurity market by 33%. The Industry 4.0 market is dominated by global technology giants including Alphabet-Google, HP, Samsung, IBM, NEC, Microsoft, and more.

The new report is based on extensive research activities including:

- _ 31 Industry 4.0 round table focus groups with 87 leading industry executives from 17 countries
- _ 79 face-to-face interviews with industry 4.0 executives
- _ Meta-research based on >4000 industry respondents in 27 countries and over 2000 companies
- _ Review of 477 reports and papers
- _ 49 Industry 4.0 vendors research
- _ Cross-check of 188 submarkets via 5 bottom-up research vectors

With 640 pages, this 4-volume report covers 10 industries, 10 technologies, 4 revenue sources, 5 regional markets and 22 national markets, offering for each of the 188 submarkets 2016-2017 market size and 2018-2023 forecasts and detailed analyses.



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



Industry 4.0 Tech Giants

Following three decades of decline in the manufacturing sector of Western and other economies, governments and private companies are adopting technologies of the 4th industrial revolution to resuscitate manufacturing and create R&D and management jobs in their home countries. The 4th Industrial revolution is set to swiftly alter the competitiveness of nearly all industrial sectors across the

world, as well as change long-held dynamics in commerce and global economic balance of power.

In the U.S., despite the country's long-time dependency on imports, since 2010 there have been signs of gradual change, with rises in both domestic and export demand. One of President Donald Trump's principal campaign promises was restoring manufacturing jobs in the United States' struggling Rust Belt communities. It is expected that the Trump administration will follow the Obama government's 2011 Industry 4.0 policy, bringing together the industry and federal government to invest in Industry 4.0 technologies. Such efforts to reinvent the U.S. manufacturing industry by creating smart factories will have a substantial impact on U.S. economic growth.

The industrial sector is also important to the EU economy, which comprises 2 million manufacturing companies and is responsible for over 80% of EU exports. In response to a four-decade deterioration of the industrial sector, the EU set a target that manufacturing should represent 20% of total value added in the EU by 2020. As part of its new Digital Single Market Strategy, the European Commission wants to help all industrial sectors exploit new technologies and manage the transition to a smart, Industry 4.0 industrial system.

On the one hand, these changes may add to the traditional business pressure on manufacturers, but on the other hand, they offer unprecedented opportunities to optimize production and manufacturing processes.

According to the report, the Industry 4.0 revolution will be driven by an ensemble of emerging technologies, such as Industrial Internet of Things (Industrial IoT), Big Data analytics, advanced industrial robots, Artificial Intelligence (AI) and predictive maintenance. In the next decades, businesses will establish global networks that incorporate their machinery, warehousing systems, and production facilities in the shape of cyber-physical systems that can be managed in real time. These extremely flexible value networks will require new forms of collaboration between companies, both nationally and globally.

The Industry 4.0 "market race" is led by global tech giants that have already invested billions in Industry 4.0 products, R&D, commercialization, and M&A.

HSRC "Meta-Research" through industry experts and executives revealed that:

- 63% of the respondents stated that their business future depends on the Industry 4.0 transformation
- 88% of the respondents agreed that delaying the Industry 4.0 transformation of their enterprises may risk their business future
- 12% of the respondents have already implemented some Industry 4.0 conversion and reported clear improvements in their value chain performance
- Respondents forecast that internal Industry 4.0 manufacturing efficiencies and improved value chain management will lead to a cost reduction of 4.1% per annum, as well as a revenue increase of 3.0% per annum over 2018-2023, driven by customized products, predictive maintenance, and additional services.
- 55% of the respondents assume a two-year full Return on Investment (ROI) and enormous long-term gains

	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

According to the report, the manufacturing industry, once considered inherently brick-and-mortar, will experience a major growth due to the following drivers:

- Fierce global competition in the manufacturing sector
- Unprecedented opportunities to optimize production processes
- Investment in Industry 4.0 by economies featuring high labor costs, in order to increase their industrial base and jobs taken by low labor cost countries
- Investment in Industry 4.0 by governments with low labor costs to maintain their industrial base, which could be jeopardized by high labor cost countries with Industry 4.0 investments
- Government-funded Industry 4.0 projects, R&D, subsidies, and tax incentives
- The opportunity Industry 4.0 offers start-ups and SMEs to develop and provide downstream services
- The flexibility that Industry 4.0 dynamic business and engineering processes allows in terms of response to production disruptions or failures on behalf of suppliers/customers
- The fact that Industry 4.0 provides a link to the consumer and can help forecast consumer demand
- The new business opportunities that Industry 4.0 opens-up to both suppliers and adaptors

Related HSRC reports available on our Website:

- Industry 4.0 Technologies Market (Industrial Robotics, 3D Printing, AI, Big Data, Cybersecurity, Cloud Computing, H&V System Integration, Industrial IoT, Sensors, Simulation, VR, AR) – 2018-2023
- 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
- Industry 4.0 Market & Technologies. Focus on U.S. – 2018-2023
- Industry 4.0 Market & Technologies. Focus on Europe – 2018-2023
- Industry 4.0 Market & Technologies. Focus on Asia-Pacific – 2018 -2023

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