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North America Industry 4.0 Market 2020-2030 by Component (Hardware, Software, Service), Technology (Robotics, IIoT, AI & ML, Blockchain, ER, 3D Printing, HMI), Application, Industry Vertical, Enterprise Size, and Country: Trend Forecast and Growth Opportunity

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Abstracts

North America Industry 4.0 market is expected to grow by 15.8% annually in the forecast period and reach $80.5 billion by 2030 driven by the improved operational efficiency and productivity, rising R&D investment, and significant technological advancements in Internet of Things (IoT), 3D printing industry, Artificial Intelligence (AI), big data, 5G network, extended reality including AR & VR, and machine learning.

Highlighted with 26 tables and 76 figures, this 137-page report “North America Industry 4.0 Market 2020-2030 by Component (Hardware, Software, Service), Technology (Robotics, IIoT, AI & ML, Blockchain, ER, 3D Printing, HMI), Application, Industry Vertical, Enterprise Size, and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America Industry 4.0 market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2017-2019 and provides estimate for 2020 and forecast from 2021 till 2030 with 2019 as the base year (Year 2020 is not appropriate for research base due to the outbreak of COVID-19).

In-depth qualitative analyses include identification and investigation of the following aspects:

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- Market Structure
- Growth Drivers
- Restraints and Challenges
- Emerging Product Trends & Market Opportunities
- Porter’s Fiver Forces

The trend and outlook of North America market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19. The balanced (most likely) projection is used to quantify North America Industry 4.0 market in every aspect of the classification from perspectives of Component, Technology, Application, Industry Vertical, Enterprise Size, and Country.

Based on Component, the North America market is segmented into the following sub-markets with annual revenue ($ bn) for 2019-2030 included in each section.

- Hardware
- Software & Solutions
    - Industrial Automation Solutions
    - Smart Factory Solutions
    - Industrial IoT Solutions
- Services
    - Implementation & Integration
    - Support & Maintenance
    - Consulting & Training

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Based on Technology, the North America market is segmented into the following sub-markets with annual revenue ($ bn) for 2019-2030 included in each section.

- Industrial Robotics
  - Articulated Robots
  - Cartesian/Gantry/Rectangular Arm Robots
  - SCARA Robots
  - Cylindrical Robots
  - Delta/Parallel Robots
  - Collaborative Robots
  - Other Robotics
- Industrial Internet of Things (IIoT)
  - Data Management Solutions for Analytics
  - Distribution Management System
  - Manufacturing Execution System (MES)
  - Asset and Resource Optimization
  - Product Lifecycle Management
  - Remote Monitoring
  - Retail Management System
  - Predictive Maintenance
  - Other Applications

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AI & ML

Blockchain

Extended Reality (ER)

Digital Twin

3D Printing

Advanced Human–Machine Interface (HMI)

Industrial Sensors

Other Technology Types

Based on Application, the North America market is segmented into the following sub-markets with annual revenue ($ bn) for 2019-2030 included in each section.

Mapping & Modeling

Quality Control & Inspection

Reverse Engineering

Other Applications

Based on Industry Vertical, the North America market is segmented into the following sub-markets with annual revenue ($ bn) for 2019-2030 included in each section.

Manufacturing

Automotive

Oil and Gas

Energy and Utilities

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Electronics and Foundry

Food and Beverage

Aerospace and Defense

Other Industry Verticals

Based on Enterprise Size, the North America market is segmented into the following sub-markets with annual revenue ($ bn) for 2019-2030 included in each section.

Small & Medium Enterprises

Large Enterprises

Geographically, the following national/local markets are fully investigated:

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue ($ bn) are available for 2019-2030. The breakdown of key national markets by Technology, Industry Vertical, and Enterprise Size over the forecast years are also included.

The report also covers current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Key Players (this may not be a complete list and extra companies can be added upon request):

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Denso Corporation

Emerson Electric Company

Fanuc Corporation

General Electric Company

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Johnson Controls International PLC

Microsoft Corporation

Mitsubishi Electric Corp

Qualcomm Technologies, Inc.

Robert Bosch GmbH

Rockwell Automation Inc.

Schneider Electric

Siemens AG

Swisslog Holding AG (Kuka AG)

(Please note: The report will be updated before delivery so that the latest historical year

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is the base year and the forecast covers at least 5 years over the base year.)

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Contents

1 INTRODUCTION

1.1 Industry Definition and Research Scope
  1.1.1 Industry Definition
  1.1.2 Research Scope
1.2 Research Methodology
  1.2.1 Overview of Market Research Methodology
  1.2.2 Market Assumption
  1.2.3 Secondary Data
  1.2.4 Primary Data
  1.2.5 Data Filtration and Model Design
  1.2.6 Market Size/Share Estimation
  1.2.7 Research Limitations
1.3 Executive Summary

2 MARKET OVERVIEW AND DYNAMICS

2.1 Market Size and Forecast
  2.1.1 Impact of COVID-19 on World Economy
  2.1.2 Impact of COVID-19 on the Market
2.2 Major Growth Drivers
2.3 Market Restraints and Challenges
2.4 Emerging Opportunities and Market Trends
2.5 Porter’s Fiver Forces Analysis

3 SEGMENTATION OF NORTH AMERICA MARKET BY COMPONENT

3.1 Market Overview by Component
3.2 Hardware
3.3 Software & Solutions
  3.3.1 Industrial Automation Solutions
  3.3.2 Smart Factory Solutions
  3.3.3 Industrial IoT Solutions
3.4 Services
  3.4.1 Implementation & Integration
  3.4.2 Support & Maintenance
  3.4.3 Consulting & Training

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4 SEGMENTATION OF NORTH AMERICA MARKET BY TECHNOLOGY

4.1 Market Overview by Technology
4.2 Industrial Robotics
  4.2.1 Articulated Robots
  4.2.2 Cartesian/Gantry/Rectangular Arm Robots
  4.2.3 SCARA Robots
  4.2.4 Cylindrical Robots
  4.2.5 Delta/Parallel Robots
  4.2.6 Collaborative Robots
  4.2.7 Other Robotics
4.3 Industrial Internet of Things (IIoT)
  4.3.1 Data Management Solutions for Analytics
  4.3.2 Distribution Management System
  4.3.3 Manufacturing Execution System (MES)
  4.3.4 Asset and Resource Optimization
  4.3.5 Product Lifecycle Management
  4.3.6 Remote Monitoring
  4.3.7 Retail Management System
  4.3.8 Predictive Maintenance
  4.3.9 Other Applications
4.4 AI & ML
4.5 Blockchain
4.6 Extended Reality (ER)
4.7 Digital Twin
4.8 3D Printing
4.9 Advanced Human–Machine Interface (HMI)
4.10 Industrial Sensors
4.11 Other Technology Types

5 SEGMENTATION OF NORTH AMERICA MARKET BY APPLICATION

5.1 Market Overview by Application
5.2 Mapping & Modeling
5.3 Quality Control & Inspection
5.4 Reverse Engineering
5.5 Other Applications

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6 SEGMENTATION OF NORTH AMERICA MARKET BY INDUSTRY VERTICAL

6.1 Market Overview by Industry Vertical
6.2 Manufacturing
6.3 Automotive
6.4 Oil and Gas
6.5 Energy and Utilities
6.6 Electronics and Foundry
6.7 Food and Beverage
6.8 Aerospace and Defense
6.9 Other Industry Verticals

7 SEGMENTATION OF NORTH AMERICA MARKET BY ENTERPRISE SIZE

7.1 Market Overview by Enterprise Size
7.2 Small & Medium Enterprises
7.3 Large Enterprises

8 NORTH AMERICA MARKET 2019-2030 BY COUNTRY

8.1 Overview of North America Market
8.2 U.S.
8.3 Canada
8.4 Mexico

9 COMPETITIVE LANDSCAPE

9.1 Overview of Key Vendors
9.2 New Product Launch, Partnership, Investment, and M&A
9.3 Company Profiles
ABB Ltd.
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List Of Tables

LIST OF TABLES:

Table 1. Snapshot of North America Industry 4.0 Market in Balanced Perspective, 2019-2030
Table 2. Growth Rate of World GDP, 2020-2022
Table 3. Main Product Trends and Market Opportunities in North America Industry 4.0 Market
Table 4. North America Industry 4.0 Market by Component, 2019-2030, $ bn
Table 5. North America Industry 4.0 Market: Software & Solutions by Type, 2019-2030, $ bn
Table 6. North America Industry 4.0 Market: Services by Type, 2019-2030, $ bn
Table 7. North America Industry 4.0 Market by Technology, 2019-2030, $ bn
Table 8. North America Industry 4.0 Market: Industrial Robotics by Robot Type, 2019-2030, $ bn
Table 9. North America Industry 4.0 Market: Industrial Internet of Things (IIoT) by Application, 2019-2030, $ bn
Table 10. North America Industry 4.0 Market by Application, 2019-2030, $ bn
Table 11. North America Industry 4.0 Market by Industry Vertical, 2019-2030, $ bn
Table 12. North America Industry 4.0 Market by Enterprise Size, 2019-2030, $ bn
Table 13. North America Industry 4.0 Market by Country, 2019-2030, $ bn
Table 14. U.S. Industry 4.0 Market by Technology, 2019-2030, $ bn
Table 15. U.S. Industry 4.0 Market by Industry Vertical, 2019-2030, $ bn
Table 16. U.S. Industry 4.0 Market by Enterprise Size, 2019-2030, $ bn
Table 17. Canada Industry 4.0 Market by Technology, 2019-2030, $ bn
Table 18. Canada Industry 4.0 Market by Industry Vertical, 2019-2030, $ bn
Table 19. Canada Industry 4.0 Market by Enterprise Size, 2019-2030, $ bn
Table 20. Mexico Industry 4.0 Market by Technology, 2019-2030, $ bn
Table 21. Mexico Industry 4.0 Market by Industry Vertical, 2019-2030, $ bn
Table 22. Mexico Industry 4.0 Market by Enterprise Size, 2019-2030, $ bn
Table 23. ABB Ltd.: Company Snapshot
Table 24. ABB Ltd.: Business Segmentation
Table 25. ABB Ltd.: Product Portfolio
Table 26. ABB Ltd.: Revenue, 2018-2020, $ bn

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List Of Figures

LIST OF FIGURES:

Figure 1. Research Method Flow Chart
Figure 2. Bottom-up Approach and Top-down Approach for Market Estimation
Figure 3. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2019-2030
Figure 4. North America Industry 4.0 Market, 2019-2030, $ bn
Figure 5. Impact of COVID-19 on Business
Figure 6. Primary Drivers and Impact Factors of North America Industry 4.0 Market
Figure 7. World 5G Technology Market, 2019-2030, $ bn
Figure 8. World Smart Factory Market, 2019-2026, $ mn
Figure 9. Primary Restraints and Impact Factors of North America Industry 4.0 Market
Figure 10. Investment Opportunity Analysis
Figure 11. Porter’s Fiver Forces Analysis of North America Industry 4.0 Market
Figure 12. Breakdown of North America Industry 4.0 Market by Component, 2019-2030, % of Revenue
Figure 13. North America Addressable Market Cap in 2021-2030 by Component, Value ($ bn) and Share (%)
Figure 14. North America Industry 4.0 Market by Component: Hardware, 2019-2030, $ bn
Figure 15. North America Industry 4.0 Market by Component: Software & Solutions, 2019-2030, $ bn
Figure 16. North America Industry 4.0 Market by Software & Solutions: Industrial Automation Solutions, 2019-2030, $ bn
Figure 17. North America Industry 4.0 Market by Software & Solutions: Smart Factory Solutions, 2019-2030, $ bn
Figure 18. North America Industry 4.0 Market by Software & Solutions: Industrial IoT Solutions, 2019-2030, $ bn
Figure 19. North America Industry 4.0 Market by Component: Services, 2019-2030, $ bn
Figure 20. North America Industry 4.0 Market by Services: Implementation & Integration, 2019-2030, $ bn
Figure 21. North America Industry 4.0 Market by Services: Support & Maintenance, 2019-2030, $ bn
Figure 22. North America Industry 4.0 Market by Services: Consulting & Training, 2019-2030, $ bn
Figure 23. Breakdown of North America Industry 4.0 Market by Technology, 2019-2030,

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% of Sales Revenue
Figure 24. North America Addressable Market Cap in 2021-2030 by Technology, Value ($ bn) and Share (%)
Figure 25. North America Industry 4.0 Market by Technology: Industrial Robotics, 2019-2030, $ bn
Figure 26. North America Industry 4.0 Market by Industrial Robotics: Articulated Robots, 2019-2030, $ bn
Figure 27. North America Industry 4.0 Market by Industrial Robotics: Cartesian/Gantry/Rectangular Arm Robots, 2019-2030, $ bn
Figure 28. North America Industry 4.0 Market by Industrial Robotics: SCARA Robots, 2019-2030, $ bn
Figure 29. North America Industry 4.0 Market by Industrial Robotics: Cylindrical Robots, 2019-2030, $ bn
Figure 30. North America Industry 4.0 Market by Industrial Robotics: Delta/Parallel Robots, 2019-2030, $ bn
Figure 31. North America Industry 4.0 Market by Industrial Robotics: Collaborative Robots, 2019-2030, $ bn
Figure 32. North America Industry 4.0 Market by Industrial Robotics: Other Robotics, 2019-2030, $ bn
Figure 33. North America Industry 4.0 Market by Technology: Industrial Internet of Things (IIoT), 2019-2030, $ bn
Figure 34. North America Industry 4.0 Market by IIoT: Data Management Solutions for Analytics, 2019-2030, $ bn
Figure 35. North America Industry 4.0 Market by IIoT: Distribution Management System, 2019-2030, $ bn
Figure 36. North America Industry 4.0 Market by IIoT: Manufacturing Execution System (MES), 2019-2030, $ bn
Figure 37. North America Industry 4.0 Market by IIoT: Asset and Resource Optimization, 2019-2030, $ bn
Figure 38. North America Industry 4.0 Market by IIoT: Product Lifecycle Management, 2019-2030, $ bn
Figure 39. North America Industry 4.0 Market by IIoT: Remote Monitoring, 2019-2030, $ bn
Figure 40. North America Industry 4.0 Market by IIoT: Retail Management System, 2019-2030, $ bn
Figure 41. North America Industry 4.0 Market by IIoT: Predictive Maintenance, 2019-2030, $ bn
Figure 42. North America Industry 4.0 Market by IIoT: Other Applications, 2019-2030, $ bn

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Figure 43. North America Industry 4.0 Market by Technology: AI & ML, 2019-2030, $ bn
Figure 44. North America Industry 4.0 Market by Technology: Blockchain, 2019-2030, $ bn
Figure 45. North America Industry 4.0 Market by Technology: Extended Reality (ER), 2019-2030, $ bn
Figure 46. North America Industry 4.0 Market by Technology: Digital Twin, 2019-2030, $ bn
Figure 47. North America Industry 4.0 Market by Technology: 3D Printing, 2019-2030, $ bn
Figure 48. North America Industry 4.0 Market by Technology: Advanced Human–Machine Interface (HMI), 2019-2030, $ bn
Figure 49. North America Industry 4.0 Market by Technology: Industrial Sensors, 2019-2030, $ bn
Figure 50. North America Industry 4.0 Market by Technology: Other Technology Types, 2019-2030, $ bn
Figure 51. Breakdown of North America Industry 4.0 Market by Application, 2019-2030, % of Sales Revenue
Figure 52. North America Addressable Market Cap in 2021-2030 by Application, Value ($ bn) and Share (%)
Figure 53. North America Industry 4.0 Market by Application: Mapping & Modeling, 2019-2030, $ bn
Figure 54. North America Industry 4.0 Market by Application: Quality Control & Inspection, 2019-2030, $ bn
Figure 55. North America Industry 4.0 Market by Application: Reverse Engineering, 2019-2030, $ bn
Figure 56. North America Industry 4.0 Market by Application: Other Applications, 2019-2030, $ bn
Figure 57. Breakdown of North America Industry 4.0 Market by Industry Vertical, 2019-2030, % of Revenue
Figure 58. North America Addressable Market Cap in 2021-2030 by Industry Vertical, Value ($ bn) and Share (%)
Figure 59. North America Industry 4.0 Market by Industry Vertical: Manufacturing, 2019-2030, $ bn
Figure 60. North America Industry 4.0 Market by Industry Vertical: Automotive, 2019-2030, $ bn
Figure 61. North America Industry 4.0 Market by Industry Vertical: Oil and Gas, 2019-2030, $ bn
Figure 62. North America Industry 4.0 Market by Industry Vertical: Energy and Utilities, 2019-2030, $ bn

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Figure 63. North America Industry 4.0 Market by Industry Vertical: Electronics and Foundry, 2019-2030, $ bn
Figure 64. North America Industry 4.0 Market by Industry Vertical: Food and Beverage, 2019-2030, $ bn
Figure 65. North America Industry 4.0 Market by Industry Vertical: Aerospace and Defense, 2019-2030, $ bn
Figure 66. North America Industry 4.0 Market by Industry Vertical: Other Industry Verticals, 2019-2030, $ bn
Figure 67. Breakdown of North America Industry 4.0 Market by Enterprise Size, 2019-2030, % of Revenue
Figure 68. North America Addressable Market Cap in 2021-2030 by Enterprise Size, Value ($ bn) and Share (%)
Figure 69. North America Industry 4.0 Market by Enterprise Size: Small & Medium Enterprises, 2019-2030, $ bn
Figure 70. North America Industry 4.0 Market by Enterprise Size: Large Enterprises, 2019-2030, $ bn
Figure 71. Breakdown of North America Industry 4.0 Market by Country, 2019 and 2030, % of Revenue
Figure 72. Contribution to North America 2021-2030 Cumulative Market by Country, Value ($ bn) and Share (%)
Figure 73. U.S. Industry 4.0 Market, 2019-2030, $ bn
Figure 74. Canada Industry 4.0 Market, 2019-2030, $ bn
Figure 75. Industry 4.0 Market in Mexico, 2019-2030, $ bn
Figure 76. Growth Stage of North America Industry 4.0 Industry over the Forecast Period

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