

North America Powered Exoskeletons Market 2022-2032 by Offering (Hardware, Software, Service), Function (Upper Body, Lower Body, Full Body), Mobility (Mobile, Stationary, Tethered), Actuator (Electric, Pneumatic, Hydraulic, Fuel Cell, Others), Structure (Rigid, Soft), Vertical (Healthcare, Military, Industrial, Civilian/Consumer), and Country: Trend Forecast and Growth Opportunity

<https://marketpublishers.com/r/NC7F53E2E605EN.html>

Date: June 2023

Pages: 160

Price: US\$ 2,465.00 (Single User License)

ID: NC7F53E2E605EN

Abstracts

North America powered exoskeletons market is projected to grow by 32.8% annually in the forecast period and reach \$5.89 billion by 2032, driven by the rapid development of exoskeleton technologies, an increase in the physically challenged population, the rising demand for rehabilitation therapy, and the adoption of exoskeletons in military and defense.

Highlighted with 37 tables and 94 figures, this 160-page report “North America Powered Exoskeletons Market 2022-2032 by Offering (Hardware, Software, Service), Function (Upper Body, Lower Body, Full Body), Mobility (Mobile, Stationary, Tethered), Actuator (Electric, Pneumatic, Hydraulic, Fuel Cell, Others), Structure (Rigid, Soft), Vertical (Healthcare, Military, Industrial, Civilian/Consumer), and Country: Trend Forecast and Growth Opportunity” is based on a comprehensive research of the entire North America powered exoskeletons 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 2020-2022 and provides forecast from 2023 till 2032 with 2022 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year, and the

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

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

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 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify North America powered exoskeletons market in every aspect of the classification from perspectives of Offering, Function, Mobility, Actuator, Structure, Vertical, and Country.

Based on Offering, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) for 2022-2032 included in each section.

Hardware

Sensors

Actuators

Power Sources

Controllers

Other Hardware

Software

Service

Based on Function, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Upper Body Exoskeletons

Lower Body Exoskeletons

Full Body Exoskeletons

By Mobility, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Mobile Exoskeletons

Stationary Exoskeletons

Tethered Exoskeletons

By Actuator, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Electric Actuator

Pneumatic Actuator

Hydraulic Actuator

Fuel Cell Actuator

Other Actuator Types

By Structure, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Rigid Exoskeletons

Soft Exoskeletons

By Vertical, the North America market is segmented into the following sub-markets with annual revenue (\$ mn) and volume (units) for 2022-2032 included in each section.

Healthcare Sector

Rehabilitation

Mobility Aid

Military Sector

Industrial Sector

Manufacture

Construction

Logistics

Other Industrial Applications

Civilian/Consumer Sector

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

U.S.

Canada

Mexico

For each key country, detailed analysis and data for annual revenue (\$ mn) and sales volume (units) are available for 2022-2032. The breakdown of national markets by Function, Mobility and Vertical over the forecast years are also included.

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

Selected Key Players:

AlterG Inc.

Atoun Inc.

Bionic Power Inc.
Bionik Laboratories Corp.
Cyberdyne Inc.
Daewoo Shipbuilding & Marine Engineering Co., Ltd.
Ekso Bionics Holdings Inc.
Honda Motor Co., Ltd.
Lockheed Martin Corp.
Myomo Inc.
Noonee
Panasonic Holdings Corp.
Parker Hannifin Corp.
Reha Technology AG
ReWalk Robotics Inc.
Rex Bionics Ltd.
Robotdalen
Sarcos Corporation
US Bionics Inc. (Suitx)

(Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

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
 - 2.1.3 Impact of Russia-Ukraine Conflict: War Slows Economic Recovery
- 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 OFFERING

- 3.1 Market Overview by Offering
- 3.2 Hardware
 - 3.2.1 Sensors
 - 3.2.2 Actuators
 - 3.2.3 Actuator Sources
 - 3.2.4 Controllers
 - 3.2.5 Other Hardware
- 3.3 Software
- 3.4 Services

4 SEGMENTATION OF NORTH AMERICA MARKET BY FUNCTION

- 4.1 Market Overview by Function
- 4.2 Upper Body Exoskeletons
- 4.3 Lower Body Exoskeletons
- 4.4 Full Body Exoskeletons

5 SEGMENTATION OF NORTH AMERICA MARKET BY MOBILITY

- 5.1 Market Overview by Mobility
- 5.2 Mobile Exoskeletons
- 5.3 Stationary Exoskeletons
- 5.4 Tethered Exoskeletons

6 SEGMENTATION OF NORTH AMERICA MARKET BY ACTUATOR

- 6.1 Market Overview by Actuator
- 6.2 Electric Actuator
- 6.3 Pneumatic Actuator
- 6.4 Hydraulic Actuator
- 6.5 Fuel Cell Actuator
- 6.6 Other Types

7 SEGMENTATION OF NORTH AMERICA MARKET BY STRUCTURE

- 7.1 Market Overview by Structure
- 7.2 Rigid Exoskeletons
- 7.3 Soft Exoskeletons

8 SEGMENTATION OF NORTH AMERICA MARKET BY VERTICAL

- 8.1 Market Overview by Vertical
- 8.2 Healthcare Sector
 - 8.2.1 Rehabilitation
 - 8.2.2 Mobility Aid
- 8.3 Military Sector
- 8.4 Industrial Sector
 - 8.4.1 Manufacture

- 8.4.2 Construction
- 8.4.3 Logistics
- 8.4.4 Other Industrial Applications
- 8.5 Civilian/Consumer Sector

9 NORTH AMERICA MARKET 2022-2032 BY COUNTRY

- 9.1 Overview of North America Market
- 9.2 U.S.
- 9.3 Canada
- 9.4 Mexico

10 COMPETITIVE LANDSCAPE

- 10.1 Overview of Key Vendors
 - 10.2 New Product Launch, Partnership, Investment, and M&A
 - 10.3 Company Profiles
 - AlterG Inc.
 - Atoun Inc.
 - Bionic Power Inc.
 - Bionik Laboratories Corp.
 - Cyberdyne Inc.
 - Daewoo Shipbuilding & Marine Engineering Co., Ltd.
 - Ekso Bionics Holdings Inc.
 - Honda Motor Co., Ltd.
 - Lockheed Martin Corp.
 - Myomo Inc.
 - Noonee
 - Panasonic Holdings Corp.
 - Parker Hannifin Corp.
 - Reha Technology AG
 - ReWalk Robotics Inc.
 - Rex Bionics Ltd.
 - Robotdalen
 - Sarcos Corporation
 - US Bionics Inc. (Suitx)
- RELATED REPORTS**

List Of Tables

LIST OF TABLES:

Table 1. Snapshot of North America Powered Exoskeletons Market in Balanced Perspective, 2022-2032

Table 2. World Economic Outlook, 2021-2031

Table 3. World Economic Outlook, 2021-2023

Table 4. Scenarios for Economic Impact of Ukraine Crisis

Table 5. World Health Spending by Region, \$ bn, 2013-2020

Table 6. Main Product Trends and Market Opportunities in North America Powered Exoskeletons Market

Table 7. North America Powered Exoskeletons Market by Offering, 2022-2032, \$ mn

Table 8. North America Powered Exoskeletons Market: Hardware by Type, 2022-2032, \$ mn

Table 9. North America Powered Exoskeletons Market by Function, 2022-2032, \$ mn

Table 10. North America Powered Exoskeletons Market by Function, 2022-2032, units

Table 11. North America Powered Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 12. North America Powered Exoskeletons Market by Mobility, 2022-2032, units

Table 13. North America Powered Exoskeletons Market by Actuator, 2022-2032, \$ mn

Table 14. North America Powered Exoskeletons Market by Actuator, 2022-2032, units

Table 15. North America Powered Exoskeletons Market by Structure, 2022-2032, \$ mn

Table 16. North America Powered Exoskeletons Market by Structure, 2022-2032, units

Table 17. North America Powered Exoskeletons Market by Vertical, 2022-2032, \$ mn

Table 18. North America Powered Exoskeletons Market by Vertical, 2022-2032, units

Table 19. North America Powered Exoskeletons Market: Healthcare Sector by Application, 2022-2032, \$ mn

Table 20. North America Powered Exoskeletons Market: Industrial Sector by Application, 2022-2032, \$ mn

Table 21. North America Powered Exoskeletons Market by Country, 2022-2032, \$ mn

Table 22. North America Powered Exoskeletons Market by Country, 2022-2032, units

Table 23. U.S. Powered Exoskeletons Market by Function, 2022-2032, \$ mn

Table 24. U.S. Powered Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 25. U.S. Powered Exoskeletons Market by Vertical, 2022-2032, \$ mn

Table 26. Canada Powered Exoskeletons Market by Function, 2022-2032, \$ mn

Table 27. Canada Powered Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 28. Canada Powered Exoskeletons Market by Vertical, 2022-2032, \$ mn

Table 29. Mexico Powered Exoskeletons Market by Function, 2022-2032, \$ mn

Table 30. Mexico Powered Exoskeletons Market by Mobility, 2022-2032, \$ mn

Table 31. Mexico Powered Exoskeletons Market by Vertical, 2022-2032, \$ mn

Table 32. Breakdown of World Market by Key Vendor, 2022, %

Table 33. Main Vendors and Product Offerings

Table 34. Recent Development and Activities

Table 35. AlterG Inc.: Company Snapshot

Table 36. AlterG Inc.: Business Segmentation

Table 37. AlterG Inc.: Product Portfolio

List Of Figures

LIST OF FIGURES:

Figure 1. Exemplary Pictures of Powered Exoskeletons

Figure 2. Research Method Flow Chart

Figure 3. Bottom-up Approach and Top-down Approach for Market Estimation

Figure 4. North America Market Forecast in Optimistic, Conservative and Balanced Perspectives, 2022-2032

Figure 5. Industry Value Chain Analysis

Figure 6. North America Powered Exoskeletons Market by Revenue, 2022-2032, \$ mn

Figure 7. North America Powered Exoskeletons Market by Shipment, 2022-2032, units

Figure 8. North America ASP of Powered Exoskeletons, 2022-2032, thousand USD/unit

Figure 9. Impact of COVID-19 on Business

Figure 10. Primary Drivers and Impact Factors of North America Powered Exoskeletons Market

Figure 11. World Smart Factory Market, 2019-2026, \$ mn

Figure 12. Worldwide Geriatric Population (60 years and above) by Regions, 2015 & 2030, million

Figure 13. World Population 65 and Over, % of Total Population, 1950-2060

Figure 14. Primary Restraints and Impact Factors of North America Powered Exoskeletons Market

Figure 15. Investment Opportunity Analysis

Figure 16. Porter's Five Forces Analysis of North America Powered Exoskeletons Market

Figure 17. Breakdown of North America Powered Exoskeletons Market by Offering, 2022-2032, % of Revenue

Figure 18. North America Addressable Market Cap in 2023-2032 by Offering, Value (\$ mn) and Share (%)

Figure 19. North America Powered Exoskeletons Market by Offering: Hardware, 2022-2032, \$ mn

Figure 20. North America Powered Exoskeletons Market by Hardware: Sensors, 2022-2032, \$ mn

Figure 21. North America Powered Exoskeletons Market by Hardware: Actuators, 2022-2032, \$ mn

Figure 22. North America Powered Exoskeletons Market by Hardware: Actuator Sources, 2022-2032, \$ mn

Figure 23. North America Powered Exoskeletons Market by Hardware: Controllers, 2022-2032, \$ mn

Figure 24. North America Powered Exoskeletons Market by Hardware: Other Hardware, 2022-2032, \$ mn

Figure 25. North America Powered Exoskeletons Market by Offering: Software, 2022-2032, \$ mn

Figure 26. North America Powered Exoskeletons Market by Offering: Services, 2022-2032, \$ mn

Figure 27. Breakdown of North America Powered Exoskeletons Market by Function, 2022-2032, % of Sales Revenue

Figure 28. North America Addressable Market Cap in 2023-2032 by Function, Value (\$ mn) and Share (%)

Figure 29. Breakdown of North America Powered Exoskeletons Market by Function, 2022-2032, % of Shipment

Figure 30. North America Addressable Market Cap in 2023-2032 by Function, Shipment (units) and Share (%)

Figure 31. North America Powered Exoskeletons Market by Function: Upper Body Exoskeletons, 2022-2032, \$ mn

Figure 32. North America Powered Exoskeletons Market by Function: Upper Body Exoskeletons, 2022-2032, units

Figure 33. North America Powered Exoskeletons Market by Function: Lower Body Exoskeletons, 2022-2032, \$ mn

Figure 34. North America Powered Exoskeletons Market by Function: Lower Body Exoskeletons, 2022-2032, units

Figure 35. North America Powered Exoskeletons Market by Function: Full Body Exoskeletons, 2022-2032, \$ mn

Figure 36. North America Powered Exoskeletons Market by Function: Full Body Exoskeletons, 2022-2032, units

Figure 37. Breakdown of North America Powered Exoskeletons Market by Mobility, 2022-2032, % of Sales Revenue

Figure 38. North America Addressable Market Cap in 2023-2032 by Mobility, Value (\$ mn) and Share (%)

Figure 39. Breakdown of North America Powered Exoskeletons Market by Mobility, 2022-2032, % of Shipment

Figure 40. North America Addressable Market Cap in 2023-2032 by Mobility, Shipment (units) and Share (%)

Figure 41. North America Powered Exoskeletons Market by Mobility: Mobile Exoskeletons, 2022-2032, \$ mn

Figure 42. North America Powered Exoskeletons Market by Mobility: Mobile Exoskeletons, 2022-2032, units

Figure 43. North America Powered Exoskeletons Market by Mobility: Stationary

Exoskeletons, 2022-2032, \$ mn

Figure 44. North America Powered Exoskeletons Market by Mobility: Stationary

Exoskeletons, 2022-2032, units

Figure 45. North America Powered Exoskeletons Market by Mobility: Tethered

Exoskeletons, 2022-2032, \$ mn

Figure 46. North America Powered Exoskeletons Market by Mobility: Tethered

Exoskeletons, 2022-2032, units

Figure 47. Breakdown of North America Powered Exoskeletons Market by Actuator, 2022-2032, % of Revenue

Figure 48. North America Addressable Market Cap in 2023-2032 by Actuator, Value (\$ mn) and Share (%)

Figure 49. Breakdown of North America Powered Exoskeletons Market by Actuator, 2022-2032, % of Shipment

Figure 50. North America Addressable Market Cap in 2023-2032 by Actuator, Shipment (units) and Share (%)

Figure 51. North America Powered Exoskeletons Market by Actuator: Electric Actuator, 2022-2032, \$ mn

Figure 52. North America Powered Exoskeletons Market by Actuator: Electric Actuator, 2022-2032, units

Figure 53. North America Powered Exoskeletons Market by Actuator: Pneumatic Actuator, 2022-2032, \$ mn

Figure 54. North America Powered Exoskeletons Market by Actuator: Pneumatic Actuator, 2022-2032, units

Figure 55. North America Powered Exoskeletons Market by Actuator: Hydraulic Actuator, 2022-2032, \$ mn

Figure 56. North America Powered Exoskeletons Market by Actuator: Hydraulic Actuator, 2022-2032, units

Figure 57. North America Powered Exoskeletons Market by Actuator: Fuel Cell Actuator , 2022-2032, \$ mn

Figure 58. North America Powered Exoskeletons Market by Actuator: Fuel Cell Actuator , 2022-2032, units

Figure 59. North America Powered Exoskeletons Market by Actuator: Other Types, 2022-2032, \$ mn

Figure 60. North America Powered Exoskeletons Market by Actuator: Other Types, 2022-2032, units

Figure 61. Breakdown of North America Powered Exoskeletons Market by Structure, 2022-2032, % of Revenue

Figure 62. North America Addressable Market Cap in 2023-2032 by Structure, Value (\$ mn) and Share (%)

Figure 63. Breakdown of North America Powered Exoskeletons Market by Structure, 2022-2032, % of Shipment

Figure 64. North America Addressable Market Cap in 2023-2032 by Structure, Shipment (units) and Share (%)

Figure 65. North America Powered Exoskeletons Market by Structure: Rigid Exoskeletons, 2022-2032, \$ mn

Figure 66. North America Powered Exoskeletons Market by Structure: Rigid Exoskeletons, 2022-2032, units

Figure 67. North America Powered Exoskeletons Market by Structure: Soft Exoskeletons, 2022-2032, \$ mn

Figure 68. North America Powered Exoskeletons Market by Structure: Soft Exoskeletons, 2022-2032, units

Figure 69. Breakdown of North America Powered Exoskeletons Market by Vertical, 2022-2032, % of Sales Revenue

Figure 70. North America Addressable Market Cap in 2023-2032 by Vertical, Value (\$ mn) and Share (%)

Figure 71. Breakdown of North America Powered Exoskeletons Market by Vertical, 2022-2032, % of Shipment

Figure 72. North America Addressable Market Cap in 2023-2032 by Vertical, Shipment (units) and Share (%)

Figure 73. North America Powered Exoskeletons Market by Vertical: Healthcare Sector, 2022-2032, \$ mn

Figure 74. North America Powered Exoskeletons Market by Vertical: Healthcare Sector, 2022-2032, units

Figure 75. North America Powered Exoskeletons Market by Healthcare Sector: Rehabilitation, 2022-2032, \$ mn

Figure 76. North America Powered Exoskeletons Market by Healthcare Sector: Mobility Aid, 2022-2032, \$ mn

Figure 77. North America Powered Exoskeletons Market by Vertical: Military Sector, 2022-2032, \$ mn

Figure 78. North America Powered Exoskeletons Market by Vertical: Military Sector, 2022-2032, units

Figure 79. North America Powered Exoskeletons Market by Vertical: Industrial Sector, 2022-2032, \$ mn

Figure 80. North America Powered Exoskeletons Market by Vertical: Industrial Sector, 2022-2032, units

Figure 81. North America Powered Exoskeletons Market by Industrial Sector: Manufacture, 2022-2032, \$ mn

Figure 82. North America Powered Exoskeletons Market by Industrial Sector:

Construction, 2022-2032, \$ mn

Figure 83. North America Powered Exoskeletons Market by Industrial Sector: Logistics, 2022-2032, \$ mn

Figure 84. North America Powered Exoskeletons Market by Industrial Sector: Other Industrial Applications, 2022-2032, \$ mn

Figure 85. North America Powered Exoskeletons Market by Vertical: Civilian/Consumer Sector, 2022-2032, \$ mn

Figure 86. North America Powered Exoskeletons Market by Vertical: Military Sector, 2022-2032, units

Figure 87. Breakdown of North America Powered Exoskeletons Market by Country, 2022 and 2032, % of Revenue

Figure 88. Contribution to North America 2023-2032 Cumulative Market by Country, Value (\$ mn) and Share (%)

Figure 89. Breakdown of North America Powered Exoskeletons Market by Country, 2022 and 2032, % of Shipment

Figure 90. Contribution to North America 2023-2032 Cumulative Market by Country, Shipment (units) and Share (%)

Figure 91. U.S. Powered Exoskeletons Market, 2022-2032, \$ mn

Figure 92. Canada Powered Exoskeletons Market, 2022-2032, \$ mn

Figure 93. Powered Exoskeletons Market in Mexico, 2022-2032, \$ mn

Figure 94. Growth Stage of North America Powered Exoskeletons Industry over the Forecast Period

I would like to order

Product name: North America Powered Exoskeletons Market 2022-2032 by Offering (Hardware, Software, Service), Function (Upper Body, Lower Body, Full Body), Mobility (Mobile, Stationary, Tethered), Actuator (Electric, Pneumatic, Hydraulic, Fuel Cell, Others), Structure (Rigid, Soft), Vertical (Healthcare, Military, Industrial, Civilian/Consumer), and Country: Trend Forecast and Growth Opportunity

Product link: <https://marketpublishers.com/r/NC7F53E2E605EN.html>

Price: US\$ 2,465.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NC7F53E2E605EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970