

**WinterGreen Research, INC.**

**Power Wheelchairs and Personal Mobility: Market Shares, Strategies, and  
Forecasts, Worldwide, 2019 to 2025**

**Mountains of Opportunity**



Picture by Susan Eustis

**WinterGreen Research, Inc.**

**Lexington, Massachusetts**

[www.wintergreenresearch.com](http://www.wintergreenresearch.com)

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REPORT # SH28246999

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**CHECK OUT THESE KEY TOPICS**

**Power Wheelchairs and Personal Mobility Support More Exercise and Better Health for Disabled and Physically Challenged People**

**As Power Wheelchair Markets Morph into Personal Automated Driving Devices for Everyone, the Power Wheelchairs Show the Way**

Power Wheelchair  
Self Diving Personal Vehicles  
Indoor Maneuverability  
Outdoor Mobility  
Performance  
Center-Wheel Drive  
Personal Mobility  
Dynamic Suspension  
Torque Power Wheelchair

Rehab Seat  
Rehab Power Wheelchair  
Rear-Wheel Drive  
Front-Wheel Drive  
Folding Power Wheelchair  
Low End Standard Power  
Wheelchair  
High End Standard Power  
Wheelchair

Low End Custom Power  
Wheelchair  
High End Custom Power  
Wheelchair  
Clinical Criteria  
Marketing Globally

**Power Wheelchairs and Personal Mobility Growth Strategy:**

**Power Wheelchairs and Personal Mobility: Market Shares, Strategies, and Forecasts, Worldwide, 2019-2025**

LEXINGTON, Massachusetts (June 25, 2019) – WinterGreen Research announces that it has published a new study **Power Wheelchairs and Personal Mobility: Market Shares, Strategy, and Forecasts, Worldwide, 2019 to 2025**. The 2019 study has 632 pages, 359 tables and figures. Worldwide Power Wheelchairs and Personal Mobility markets are poised to achieve significant growth because the devices provide mobility and significant health benefits for handicapped users.

As the autonomous personal vehicle, the robotic personal vehicle, self-driving personal vehicle, or driverless personal vehicles evolve, they are first implemented in stages with various levels of autonomous features. As vehicles capable of sensing travel lanes and obstacles in the environment further evolve they will first be implemented as off road ways to travel slowly. The personal vehicles will begin moving with a minimal amount of human input.

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The power wheelchair mobile platform is modular, integrating various components. Modular systems are developed in the context of consideration of probable specifications for the interaction of system components. Power wheelchairs are used to make people who have difficulty walking independently mobile.

The power wheelchair systems are characterized by front wheel drive, center wheel drive, and rear wheel drive, accommodating demand for different driving handling characteristics under different conditions. Vendors provide power wheelchairs that are used in indoor and outdoor environments. Designs take into consideration users with mild, moderate, and severe mobility restrictions. Users come from both the disabled and older age groups.

The core of a mobile platform is an integration system that supports adapting to numerous requirements. Modules implement payload, safety, and automatic docking. A power wheelchair platform is a combination of existing technology and autonomous robotic software. Mid IR sensor systems provide new monitoring capability. Movement sensor systems depend on microprocessor technology and specialized operating systems. Real time software is providing increased functionality for power wheelchairs.

According to Susan Eustis, lead author of the study, “Reimbursement drives power wheelchair markets currently. As more money is available for personal vehicles, these markets will start to emerge, based on the platforms provided by power wheelchairs.”

Power wheelchair markets at \$1.97 billion in 2018 are anticipated to reach \$3.48 billion in 2025. Market growth comes in large part from demand for mobility from people who might otherwise be bedridden. The aging of the population is creating a growing pool of people that need power wheelchairs. This demographic is expected to expand to people who will purchase personal vehicles that have some autonomous navigation features and controls.

The technical expertise of the sales force, the effectiveness of the distribution system, the strength of the dealers, and the availability of prompt and reliable service for products are issues that need to be addressed to achieve competitive advantage.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, and Research and Markets. WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

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WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

Key Words: Self Diving Personal Vehicles, Indoor Maneuverability, Outdoor Mobility Power Wheelchair, Indoor Maneuverability, Outdoor Mobility Performance, Center-Wheel Drive, Dynamic Suspension, Torque Power Wheelchair, Rehab Seat, Rehab Power Wheelchair, Rear-Wheel Drive, Front-Wheel Drive, Folding Power Wheelchair, Low End Standard Power Wheelchair, High End Standard Power Wheelchair, Low End Custom Power Wheelchair, High End Custom Power Wheelchair, Clinical Criteria, Marketing Globally, <http://wintergreenresearch.com/reports/power%20wheelchair.html>

## Companies Profiled

### Market Leaders

<b>Invacare</b>	<b>Pride</b>
<b>Permobil</b>	<b>Meyra</b>
<b>Sunrise / Handicare</b>	<b>Drive</b>

### Market Participants

<b>21ST Century Scientific</b>	<b>Dane Technologies / Levo AG</b>	<b>Graham-Field / Everest &amp; Jennings</b>
<b>ADI</b>	<b>Drive Medical</b>	<b>GeckoSystems International</b>
<b>Aquila Corporation</b>	<b>Eagle</b>	<b>Golden Technologies</b>
<b>Aspen Seating, Llc / Ride Designs</b>	<b>EASE Seating System</b>	<b>HeartWay</b>
<b>C.T.M. Homecare Product, Inc.</b>	<b>Graham Field</b>	

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Hoveround	Medort Group / Meyra	TiLite
Innovation In Motion	Levo	Whill
Karma Wheelchairs	Nissin / Colours	Whirlwind Wheelchair International
Karman	Permobil / Roho	
Linux	Otto Bock	
Medline	Revolution Mobility	
Merits	Shoprider	

## Power Wheelchairs and Personal Mobility: Market Shares, Strategies, and Forecasts, Worldwide, 2019 to 2025

### Report Methodology

This is the 821st report in a series of primary market research reports that provide forecasts in communications, telecommunications, the Internet, computer, software, telephone equipment, health equipment, and energy. Automated process and significant growth potential are a priority in topic selection. The project leaders take direct responsibility for writing and preparing each report. They have significant experience preparing industry studies. They are supported by a team, each person with specific research tasks and proprietary automated process database analytics. Forecasts are based on primary research and proprietary data bases.

The primary research is conducted by talking to customers, distributors and companies. The survey data is not enough to make accurate assessment of market size, so WinterGreen Research looks at the value of shipments and the average price to achieve market assessments. Our track record in achieving accuracy is

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unsurpassed in the industry. We are known for being able to develop accurate market shares and projections. This is our specialty.

The analyst process is concentrated on getting good market numbers. This process involves looking at the markets from several different perspectives, including vendor shipments. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by vendor in the study and addenda prepared after the study was published if that is appropriate.

Forecasts reflect analysis of the market trends in the segment and related segments. Unit and dollar shipments are analyzed through consideration of dollar volume of each market participant in the segment. Installed base analysis and unit analysis is based on interviews and an information search. Market share analysis includes conversations with key customers of products, industry segment leaders, marketing directors, distributors, leading market participants, opinion leaders, and companies seeking to develop measurable market share.

Over 200 in depth interviews are conducted for each report with a broad range of key participants and industry leaders in the market segment. We establish accurate market forecasts based on economic and market conditions as a base. Use input/output ratios, flow charts, and other economic methods to quantify data. Use in-house analysts who meet stringent quality standards.

Interviewing key industry participants, experts and end-users is a central part of the study. Our research includes access to large proprietary databases. Literature search includes analysis of trade publications, government reports, and corporate literature.

Findings and conclusions of this report are based on information gathered from industry sources, including manufacturers, distributors, partners, opinion leaders, and users. Interview data was combined with information gathered through an extensive review of internet and printed sources such as trade publications, trade associations, company literature, and online databases. The projections contained in this report are checked from top down and bottom up analysis to be sure there is congruence from that perspective.

The base year for analysis and projection is 2018. With 2018 data and data from several years prior to that as a baseline, market projections are developed for 2019 through 2025.

These projections are based on a combination of a consensus among the opinion leader contacts interviewed combined with understanding of the key market drivers and their impact from a historical and analytical perspective.

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The analytical methodologies used to generate the market estimates are based on penetration analyses, similar market analyses, and delta calculations to supplement independent and dependent variable analysis. All analyses are displaying selected descriptions of products and services.

This research includes referencde to an ROI model that is part of a series that provides IT systems financial planners access to information that supports analysis of all the numbers that impact management of a product launch or large and complex data center. The methodology used in the models relates to having a sophisticated analytical technique for understanding the impact of workload on processor consumption and cost.

WinterGreen Research has looked at the metrics and independent research to develop assumptions that reflect the actual anticipated usage and cost of systems. Comparative analyses reflect the input of these values into models.

The variables and assumptions provided in the market research study and the ROI models are based on extensive experience in providing research to large enterprise organizations and data centers. The ROI models are useful for comparing products from different manufacturers, for example servers from different manufacturers, Systems z models from IBM, and labor costs by category around the world.

This information has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the software, energy, healthcare, telecommunications, and hardware businesses.

### YOU MUST HAVE THIS STUDY

#### **Power Wheelchairs and Personal Mobility: Market Shares, Strategy, and Forecasts, 2019 to 2022**

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### Power Wheelchairs and Personal Mobility: Executive Summary

The study is designed to give a comprehensive overview of the Power Wheelchairs and Personal Mobility equipment market segment. Research represents a selection from the mountains of data available of the most relevant and cogent market materials, with selections made by the most senior analysts. Commentary on every aspect of the market from independent analysts creates an independent perspective in the evaluation of the market. In this manner the study presents a comprehensive overview of what is going on in this market, assisting managers with designing market strategies likely to succeed.

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## **ABOUT THE COMPANY**

**WinterGreen Research**, research strategy relates to identifying market trends through reading and interviewing opinion leaders. By using analysis of published materials, interview material, private research, detailed research, social network materials, blogs, and electronic analytics, the market size, shares, and trends are identified. Analysis of the published materials and interviews permits WinterGreen Research senior analysts to learn a lot more about markets. Discovering, tracking, and thinking about market trends is a high priority at WinterGreen Research. As with all research, the value proposition for competitive analysis comes from intellectual input.

**WinterGreen Research**, founded in 1985, provides strategic market assessments in telecommunications, communications equipment, health care, Software, Internet, Energy Generation, Energy Storage, Renewable energy, and advanced computer technology. Industry reports focus on opportunities that expand existing markets or develop major new markets. The reports access new product and service positioning strategies, new and evolving technologies, and technological impact on products, services, and markets. Innovation that drives markets is explored. Market shares are provided. Leading market participants are profiled, and their marketing strategies, acquisitions, and strategic alliances are discussed. The principals of WinterGreen Research have been involved in analysis and forecasting of international business opportunities in telecommunications and advanced computer technology markets for over 30 years.

The studies provide primary analytical insight about the market participants. By publishing material relevant to the positioning of each company, readers can look at the basis for analysis. By providing descriptions of each major participant in the market, the reader is not dependent on analyst assumptions, the information backing the assumptions is provided, permitting readers to examine the basis for the conclusions.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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## ABOUT THE PRINCIPAL AUTHORS

**Susan Eustis**, President, co-founder of WinterGreen Research is a senior analyst. She has done research in communications and computer markets and applications. She holds several patents in microcomputing and parallel processing. She has the original patents in electronic voting machines. She has new patent applications in format varying, mulitprocessing, and electronic voting. She is the author of recent studies of the Solar Renewable Energy, Wind Energy, Thin Film Batteries, Business Process Management marketing strategies, Internet equipment, biometrics, a study of Internet Equipment, Worldwide Telecommunications Equipment, Top Ten Telecommunications, Digital Loop Carrier, Web Hosting, Web Services, and Application Integration markets. Ms. Eustis is a graduate of Barnard College. Worldwide Who's Who named her Top Female CEO of 2012, 2013, 2014, 2015,2016, 2017, 2018, 2019. She has been twice featured on the cover of the Women of Distinction magazine. She was cited in a recent Time Magazine cover article and major media Washington Post, London Times, New York Times, LA Times, and WSJ articles on Youth Sports market growth. She has been quoted as a reliable industry source in Barron's and by Bloomberg relating to blockchain. She is head of the GBA blockchain group on elections systems.

**About the WinterGreen Research Team:** The WinterGreen Research Team is comprised of senior analysts that prepare the market research and analysis that is offered to the client and developed using an iterative process to achieve a final study. Typical projects include providing market/viability research. The team can look at how drones can be applied to critical infrastructures safety, including: type of market existing, Barriers, Forecast demand and competitors, SWOT and competitive advantages, Price Analysis, product design recommendations (marketing orientation).

Research is typically for many different regions or localities, for example EU countries including Spain, UK, Nordic, Germany, and France. Typical projects profile the United States and areas of Asia. It is common to three representative countries from South America, Brazil, Argentina, Chile, and Mexico. Representative countries from Asia APAC typically include Japan, China, India, and Australia.

Critical infrastructure safety, including: type of market existing, barriers to entry and to faithful execution of product provision, forecast of demand, market share, SWOT, competitive advantage of major competitors, identification of new technologies and new companies, price performance analysis, product design recommendations, and marketing considerations are typical topics covered.

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