

Market Analysis on Maritime Patrol Naval Vessels(OPV), Forged Alloy Aluminum Wheel and NEV eAxle forecasted till 2030

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The Maritime Patrol Naval Vessels(OPV) market is expected to grow at a CAGR of 9.80% during the forecast period of 2023 to 2030. The market is predominantly driven by increasing maritime security concerns and the need for naval fleet modernization. The market is segmented into Type, Application, and Region. North America dominates the market, followed by Europe and the Asia-Pacific region. The major players in the market are BAE Systems plc, Damen Shipyards Group, Fincantieri S.p.A., Austal, and Navantia S.A among others. The market is projected to reach a value of USD 25.30 billion by 2030.

The Maritime Patrol Naval Vessels (OPV) market is highly competitive, with several key players operating in the industry. These companies, including BAE Systems, Damen Shipyards Group, and Navantia, play a crucial role in driving the growth of the OPV market through their innovative offerings and strategic initiatives.

In terms of sales revenue, some of the above-listed companies have reported significant growth in recent years. For example, according to its 2020 financial results, BAE Systems generated sales revenue of \$22.3 billion, while Fincantieri reported revenue of €6.3 billion in the same year. Similarly, Austal reported a revenue of AUD 2.3 billion in the 2020 financial year.

Types of Maritime Patrol Naval Vessels (OPV):

- **Offshore Patrol Vessels (OPVs):** These vessels are designed for extended patrols in offshore waters, providing surveillance and monitoring capabilities. OPVs are versatile and can be equipped with various mission systems, such as radar, sonar, and communication equipment, enhancing their operational efficiency and effectiveness.
- **Coastal Patrol Vessels (CPVs):** CPVs are smaller vessels primarily used for coastal patrol and defense operations. They are well-suited for operating in shallow waters and nearshore environments, enabling close monitoring of coastal areas and supporting maritime security

efforts.

- Inshore Patrol Vessels (IPVs): IPVs are specifically designed for patrolling and surveillance in rivers, estuaries, and other shallow-water environments. These vessels are highly maneuverable and equipped with specialized sensors and equipment to conduct close-range operations in confined spaces.

These types of Maritime Patrol Naval Vessels (OPV) help boost the demand in the market by catering to the diverse operational requirements of naval forces. Each type offers specific capabilities and features tailored to different mission profiles, allowing naval forces to effectively conduct maritime security, surveillance, and patrolling activities in various environments. The availability of different types of OPVs enables navies to choose vessels that best suit their operational needs, thereby driving the demand for Maritime Patrol Naval Vessels (OPV).

The applications of Maritime Patrol Naval Vessels (OPV) vary across different market segments. In the defense sector, OPVs are used for maritime surveillance, border security, and protection of national waters. They play a crucial role in detecting and deterring illegal activities such as smuggling, piracy, and unauthorized fishing. OPVs are equipped with advanced radar and sensor systems, allowing for effective monitoring and identification of vessels in a designated area. In the maritime law enforcement sector, OPVs support operations related to maritime safety, search and rescue, and enforcement of maritime regulations. They provide a visible presence at sea, ensuring compliance with laws and regulations. The fastest-growing application segment in terms of revenue is often defense, given the increasing focus on maritime security and the need to protect national interests and territorial waters.

The growth of the Maritime Patrol Naval Vessels (OPV) market is expected to vary across regions. North America (NA) and Europe are anticipated to dominate the market due to their established naval capabilities and investments in defense modernization programs. The United States (USA) is expected to have a significant market share, driven by its robust naval presence and focus on maritime security. In the Asia-Pacific (APAC) region, China is projected to be a key player in the market, owing to its growing naval capabilities and territorial interests. The market share percentage valuation is expected to vary, with North America and Europe accounting for a significant portion, followed by China and other APAC countries.

Click here for more information: <https://www.reportprime.com/maritime-patrol-naval-vesselsopv-r106>

The global forged alloy aluminum wheel market is expected to grow at a CAGR of 5.60% over the forecast period (2023-2030). Factors such as increasing demand for lightweight and fuel-efficient vehicles, as well as rising government regulations for reducing carbon emissions, are driving market growth. The market is segmented by vehicle type, application, and region. In 2020, the passenger cars segment dominated the market, accounting for over 65% of the global share. The Asia-Pacific region holds the largest market share due to the presence of major automotive

players and increasing purchasing power of consumers in this region.

Competitive Landscape:

The Forged Alloy Aluminum Wheel Market is highly competitive, with several key players vying for market share. Arconic, Superior Industries, CITIC Dicastal, Gemsy Wheels, Hongxin Wheel, Borbet, Accuride, BBS JAPAN, Ronal Wheels, Wanfeng Auto, RAYS Wheels, Zhejiang Jinfei Kaida, and Lizhong Group are some of the significant players in the market.

Arconic is among the top companies in the market and a leading supplier of high-strength forged aluminum wheels. Superior Industries is a manufacturer of aluminum wheels for passenger cars, light trucks, and SUVs. CITIC Dicastal is a leading producer of wheels for cars and trucks and has operations in Europe, North America, and Asia.

Some of the sales revenue figures for the above-listed companies are as follows:

- Arconic reported a revenue of \$7.3 billion in 2020.
- Superior Industries reported a revenue of \$1.20 billion in 2020.
- CITIC Dicastal reported a revenue of \$4.7 billion in 2019.

Types of Forged Alloy Aluminum Wheels:

Forged Alloy Aluminum Wheels can be categorized into several types, including one-piece wheels, multi-piece wheels, and specialty wheels. One-piece wheels are forged from a single block of aluminum alloy, providing strength and durability. Multi-piece wheels consist of two or three components that are bolted together, allowing customization options and flexibility. Specialty wheels are designed for specific applications, such as racing or off-road vehicles. These different types of Forged Alloy Aluminum Wheels cater to diverse customer preferences and enhance the overall demand for these wheels in the market.

Applications of Forged Alloy Aluminum Wheels:

Forged Alloy Aluminum Wheels are extensively used in various automotive applications, including passenger cars, sports cars, SUVs, and commercial vehicles. These wheels offer numerous benefits, including improved performance, enhanced fuel efficiency, and better aesthetics. In passenger cars, Forged Alloy Aluminum Wheels provide a lightweight solution for better handling and increased fuel economy. In commercial vehicles, these wheels offer load-carrying capacity, durability, and reduced unsprung weight. The fastest-growing application segment in terms of revenue is expected to be SUVs, driven by the growing demand for sport utility vehicles worldwide.

Growth of Forged Alloy Aluminum Wheel Market in Regions:

In terms of regional growth, the Forged Alloy Aluminum Wheel market is expected to be dominated by regions such as North America, APAC (Asia-Pacific), and Europe. These regions have a significant automotive industry presence and a high demand for premium and performance vehicles. North America, specifically the United States, is anticipated to hold a significant market share due to the presence of major automotive manufacturers and the preference for lightweight and high-performance wheels. The market share percent valuation in different regions is projected as follows:

- North America: 35%
- Europe: 28%

These regions are expected to drive the growth of the Forged Alloy Aluminum Wheel market, fueled by increased vehicle production, consumer preferences for lightweight components, and stringent regulations promoting fuel efficiency.

Click here for more information: <https://www.reportprime.com/forged-alloy-aluminum-wheel-r107>

The global NEV eAxe market is expected to witness significant growth in the forecast period. The NEV eAxe market research report provides a detailed analysis of market conditions, including drivers, restraints, trends, and opportunities. The report also provides insights into market segmentation based on type, application, and region. The market size for NEV eAxe is expected to grow at a CAGR of 30.50% during the forecast period, reaching USD 9.00 billion by 2030. Factors such as rising demand for electric vehicles, government initiatives supporting NEV production, and technological advancements in the automobile sector are expected to drive market growth in the coming years.

Competitive Landscape:

The NEV (New Energy Vehicle) eAxe market is growing rapidly and is highly competitive. The major players operating in this market include GKN Automotive Limited, Nidec Corporation, Vitesco Technologies, BorgWarner, Inovance, Meritor, JJE, Aisin, ZF Friedrichshafen, and Robert Bosch GmbH.

These companies use NEV eAxe technology in various ways to drive growth in the market. GKN Automotive has developed a modular eAxe system that is adaptable to various vehicle types, including hybrid and fully electric vehicles. Nidec Corporation focuses on producing highly efficient, compact eAxe systems for electric and hybrid vehicles.

These companies have reported strong sales figures in recent years. For example, Robert Bosch GmbH reported sales revenue of €77.7 billion in 2020. Nidec Corporation reported sales revenue

of ¥1.7 trillion in the same year. Vitesco Technologies reported sales revenue of €7.8 billion in 2020.

The NEV eAxles can be classified into two types: Single Motor Drive and Dual Motor Drive. Single Motor Drive eAxles consist of a single electric motor connected to the drive shaft, providing power to one axle. Dual Motor Drive eAxles, on the other hand, have two electric motors—one for each axle—delivering power to all wheels. These types of eAxles help boost the demand for NEV eAxles by offering improved performance, enhanced traction, and higher energy efficiency, catering to the varying requirements of electric vehicle manufacturers.

Applications of NEV eAxles:

NEV eAxles find applications in various electric vehicle segments, including passenger cars, commercial vehicles, and off-highway vehicles. In passenger cars, NEV eAxles contribute to improved acceleration, regenerative braking, and overall driving dynamics. In commercial vehicles, eAxles enable efficient power distribution, increased load-carrying capacity, and enhanced fuel efficiency. The fastest-growing application segment in terms of revenue is expected to be commercial vehicles, driven by the increasing adoption of electric buses, delivery vans, and trucks for sustainable transportation solutions.

Growth of NEV eAxle Market in Regions:

In terms of regional growth, the NEV eAxle market is expected to be dominated by regions such as APAC (Asia-Pacific), Europe, and North America. These regions have witnessed significant investments in electric vehicle infrastructure, supportive government initiatives, and favorable regulations promoting the adoption of electric vehicles. China is expected to dominate the market due to its large-scale electric vehicle production and government efforts to reduce carbon emissions. The market share percentage valuation of NEV eAxles is projected to be as follows:

- APAC: 95%
- Europe: 25%
- North America: 20%
- China: 50%

These regions are anticipated to drive the growth of the NEV eAxle market, supported by robust demand for electric vehicles, technological advancements, and favorable market conditions.

Click here for more information: <https://www.reportprime.com/nev-eaxle-r108>

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