

## **Asia Pacific Safety Drives And Motors - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

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### **Report description:**

The Asia Pacific Safety Drives And Motors Market size is estimated at USD 2.71 billion in 2025, and is expected to reach USD 4.25 billion by 2030, at a CAGR of 6.40% during the forecast period (2025-2030).

#### Key Highlights

- The semiconductor chip shortage had several impacts on the safety drives market. The need for semiconductor chips could result in delayed production of safety drive and motor components, leading to increased costs for safety drive manufacturers, as they may need to pay higher prices for the limited supply of chips available.
- Moreover, in April 2023, Maruti Suzuki India said that the uncertainties in the electronic-component supplies might affect production in FY25. The shortage of electronic components had some impact on the company's production in FY 2023. Such instances will continue to hamper the growth of the market.
- The demand for safety equipment, the need for cost-effective techniques, and industry safety standards propel the region's global safety drives and motors market. Drives and motors are critical components of any industrial sector's machinery. Since several hazardous zones exist in the core industrial sectors, the need for safety drives and motors has become pivotal. The IEC and EN standards are used to certify motors and meet ATEX directives and other international standards.
- The safety drives help reduce machine time and increase productivity while protecting personnel and equipment from damage. As a result, these safety devices have features that allow for system speed and torque control, optimal process control, and significant energy savings.
- Industry machines and plants are becoming more flexible and productive, which has resulted in the development of safety-integrated devices. These integrated safety functions allow for the cost-effective implementation of new safety concepts. Moreover, the increasing vehicle sales rate, especially in the Chinese and Japanese regions, and stabilizing economy boost the region's sales and demand for safety drives and motors. For instance, According to the China Association of Automobile

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Manufacturers (CAAM), in 2024, about 3.87 million commercial vehicles, up from 3.80 million vehicles in 2023 in the country. As the automobile manufacturing sector is highly automated, the country's demand for safety drives remains high.

- Furthermore, India is a large country with a large population base. This safety drives and motors the demand for energy in the country. For instance, according to government data, India's energy consumption logged a year-on-year growth of about 13% to 126.16 billion units in January 2023. Such trends are driving investment in the country's power generation sector, which will positively impact the demand for safety drives and motors in the country during the forecast period.
- Overall, the integration of safety drives and motors often involves significant upfront investment. This high initial cost can deter smaller businesses or those with limited budgets from adopting these technologies, potentially slowing market growth .

## Asia Pacific Safety Drives And Motors Market Trends

### Oil & Gas Segment is Expected to Hold a Major Market Share

- Safety drives in oil & gas industries generally use electric motors to provide reliable and consistent power for drilling rig systems and equipment. The energy these motors generate supports the extraction, processing, storage, and transportation of products such as crude oil, petroleum, and natural gas.
- An electrical safety motor's speed in the oil & gas industries is controlled by an AC drive, which improves process control. Lessen energy use and efficiently produce energy. Additionally, the oil & gas sector is among the significant consumer of DC drives as they offer excellent controlling capabilities. Controlling flow by adjusting speed avoids energy wasted in the throttling valves. With several large machines in the oil & gas sector, the electricity savings may amount to thousands of dollars annually.
- Furthermore, pipelines transport petroleum products from the extraction point to refineries and from refineries to demand areas. As safety drives control the flow of petroleum products, the demand is expected to grow due to increased activities in the oil and gas industries in the region.
- With the emphasis on automating manufacturing processes in the oil & gas industry, enhancing the application of safety drives. Recently, Sensia, a Rockwell Automation and Schlumberger combined venture, is the exclusive automation player in oil & gas production, processing, and transportation. The cloud-native system provides a scalable, bundled platform for implementing digital initiatives for oil & gas companies.
- Further, ANYbotics opens commercial orders for ANYmal X to provide industry-wide access to scalable robotic inspection solutions in Oil & Gas and Chemicals. Installing ANYmalX is causing companies to increase robotic inspection automation. The rising demand for industrial automation products in the oil & gas industry also fuels the sector's adoption of safety drives and motors.

### China is Expected to Hold a Major Market Share

- During the past few decades, China has witnessed remarkable growth, especially in the industrial and manufacturing segment, and is widely regarded as the global manufacturing hub. The presence of many industries wherein a wide variety of manufacturing/process equipment is used drives the demand for safety drives in the country. Furthermore, recent initiatives aimed at transforming the local industry through a higher adoption of automation and other advanced technologies will drive the demand for safety drives in the country.
- The AC drive industry is expected to enter a rapid development stage due to the current economic development and the expansion of the manufacturing and infrastructure sector. The market demand will continue to expand, creating opportunities for the Chinese domestic ac drives manufacturers who can leverage this opportunity to benefit from their accumulation in the local market, technology, brand influence, and other aspects of the industry to expand their safety drives business, besides the

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domestic market, the vendors may also focus on increasing their market share in the global countries.

- According to the National Bureau of Statistics of China, the industrial manufacturing sector is the major contributor to China's GDP, with the sector's contribution accounting for 34.2% of the country's GDP in 2024. As most of the Chinese industry is highly mechanized, the demand for safety drives is expected to remain high as they are widely used in electrical devices such as motors or generators.
- In recent years, the Chinese manufacturing and industrial sector has been on the path of transformation, with Made in China 2025, Industry 4.0, and Internet Plus becoming the key economic triggers of the country's long-term economic strategy. This trend is also creating a favorable scenario for the growth of the studied market as it will drive the adoption of automated solutions, and robotics will increase. For instance, according to the International Federation of Robotics (IFR), the industrial robotics market in China achieved strong growth, with the installation rising by 44% to a record number of 243,300 installations in 2021 to 500,000 in 2023. With such trends expected to prevail during the forecast period, the demand for safety drives is also expected to grow.
- Moreover, other major end-user industries of safety drives, such as mining, oil & gas, water & wastewater, and energy generation, are also witnessing robust growth driven by higher investment in infrastructure and growing consumer demand. For instance, several new water & wastewater projects have been undertaken in the country in recent years. With the adoption of automation and robotics increasing across these sectors, the demand for safety drives and motors is also set to increase during the forecast period.

### Asia Pacific Safety Drives And Motors Industry Overview

The Asia Pacific Safety Drives and Motors Market is moderately competitive, with several major players such as ABB Ltd., Siemens, Rockwell Automation, Ltd., and others. In terms of market share, the market is currently dominated by a few major players. With a significant market share, these major players focus on expanding their customer base in foreign countries. These companies utilize strategic collaborative initiatives to increase their market share and profitability. The competition, rapid technological advancements, and frequent changes in consumer preferences are expected to threaten the market's growth of the companies during the forecast period.

- July 2022 - Rockwell Automation, Inc. announced the launch of the PowerFlex AC safety drive portfolio in Asia Pacific to support a broader range of motor control applications. This drive will provide more flexibility, performance, and intelligence in their next-generation drive through TotalFORCE technology. The PowerFlex755TS drive offers an extended corrosive gas protection (XT) option to improve uptime in corrosive gas environments and extend drive life.
- April 2022 - Kollmorgen announced introducing the new TBM2G series of frameless servo safety motors introducing features that simplify the design of collaborative aerospace & defense, surgical, and other robots while delivering optimal performance in a lighter, more compact package. These next-generation safety motors enable robots with higher-load carrying capacity, lower thermal rise, lower joint weight, improved energy efficiency, and faster and smoother movements.

#### Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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