



**With a total investment of 4.3 billion yuan, the tire group announced the establishment of a factory in Russia**

On December 26, 2025, Hai'an Rubber Group Co., Ltd. issued an announcement stating that it had signed an "Investment Intention Agreement" to jointly establish a giant all-steel radial tire factory for construction machinery with Russian partners in Russia. The total investment for the project is not exceeding 53.99 billion rubles (approximately 4.319 billion yuan), marking a significant step taken by Chinese tire companies in the overseas high-end market segment.

According to the announcement, Hai'an Group, in collaboration with its wholly-owned subsidiary Hai'an Russia Co., Ltd., will jointly invest with Flagship, a Russian company, to increase the capital of "Pioneer Joint Stock Company" located in the Omsk Oblast, Russia. Regarding the capital contribution, the Russian side will contribute approximately 650 million yuan in cash, while Hai'an Group will adopt a combination model of "technology + cash", contributing approximately 469 million yuan in cash and approximately 208 million yuan in non-monetary forms such as technology usage rights and trademark usage rights. Upon completion of the capital increase, Hai'an Group (including its subsidiaries) will hold 51% of the shares of the target company, achieving a controlling stake, while the Russian side will hold 49% of the shares. The project will be implemented primarily by Pioneer Joint Stock Company.

The all-steel giant tires to be invested and built this time are mainly used as supporting equipment for heavy-duty mining dump trucks, which are key consumables in the mining industry. As the world's largest mineral resource country,

Russia ranks among the top three in terms of iron ore, coal, and aluminum reserves, and has approximately 163 active large-scale open-pit mines, with a robust market demand. The first phase of the project is designed to have an annual production capacity of 10,500 units, with a construction period estimated to be three years from 2026 to 2028. The total investment of 4.319 billion yuan will be financed by bank loans of approximately 3.2 billion yuan and capital increases from both shareholders totaling approximately 1.119 billion yuan.

Hai'an Group stated that this investment is a crucial step in the company's globalization strategy. It not only allows for closer proximity to end-user mining customers and circumvents trade barriers, but also leverages the opportunity presented by Russia's "re-industrialization" to expand into the Central Asian market. As a leading enterprise in China's all-steel giant tire sector, if this "going global" initiative is successfully implemented, it will significantly enhance its competitiveness and influence in the international high-end mining tire market. However, the project still faces both opportunities and challenges during its advancement.

**Haitian Zhisheng Metal and Hongchuang Light Alloy have reached a strategic cooperation on magnesium alloy equipment**

On December 23, 2025, Haitian Zhisheng Metal and Zhejiang Hongchuang Light Alloy Auto Parts Co., Ltd. (hereinafter referred to as "Hongchuang Light Alloy") officially signed a strategic cooperation agreement on magnesium alloy injection molding machines. Senior representatives from both parties, including Guo Hui, General Manager of Hongchuang Light Alloy, and Hong Jianwen, Deputy General Manager

of Haitian Zhisheng Metal, attended the signing ceremony. This cooperation marks a crucial step for both companies in technological collaboration and industrial upgrading in the field of lightweight materials, injecting new momentum into high-end manufacturing sectors such as new energy vehicles, robotics, and the low-altitude economy.

Hongchuang Light Alloy specializes in the research, development, and production of new lightweight materials, with aluminum alloy, magnesium alloy, and titanium alloy as its core. Focusing on the fields of new energy vehicles, robotics, and low-altitude economy, it provides system integration component solutions. Adhering to the philosophy of "innovation-driven, quality-oriented, perseverance for long-term success, and mutual benefit and win-win", the company has developed full-chain service capabilities from material research and development to mass production. Currently, Hongchuang Light Alloy has participated in the development of new high-performance magnesium alloy components for well-known domestic host machine factories, leading robotics companies, and EVTOL companies.

After multiple rounds of technical exchanges, both parties conducted in-depth discussions on equipment performance, environmental standards, service response, and other requirements, ultimately reaching a strategic cooperation consensus. According to the agreement, Hongchuang Light Alloy will purchase in bulk four models of magnesium alloy injection molding islands from Haitian Zhisheng Metal, namely HMG500, HMG850, HMG1650, and HMG3600, covering manufacturing needs ranging from small and medium-sized precision parts to large structural components. After the equipment delivery, Hongchuang Light Alloy will form a multi-technology route of "magnesium injection + extrusion + forging", further enriching its product structure and enhancing its market competitiveness.

Haitian Zhisheng Metal will take this collaboration as a new starting point to jointly explore innovative applications of lightweight materials in the high-end manufacturing field with Hongchuang Light Alloy. Leveraging lightweight as a fulcrum, both parties will tap into trillion-dollar markets such as new energy vehicles and robotics, injecting new momentum into the rise of China's high-end manufacturing industry.

## **Topstar, in collaboration with Guochuang Center, has been awarded the openGauss Benchmark Application of the Year, driving the "evolution" of embodied intelligence with a domestic database**

Recently, the openGauss Summit 2025, the annual flagship event hosted by the openGauss community, was successfully held in Beijing. The conference gathered top scholars, technical experts, industry users, and ecosystem partners in the database field to jointly explore the technological frontiers, ecosystem collaboration, and industry practices of open source databases.

In recognition of outstanding industry practices, the conference, in collaboration with the National Research Center for Industrial Information Security Development, awarded the "2025 openGauss Benchmark Application Practice Case" award. Among them, the "IntarkDB Embedded Database Industrial Robot Application Practice" project (hereinafter referred to as the "Project"), developed by Tuosida in collaboration with the United Nations Innovation Center and based on the openGauss database, stood out in core dimensions such as application scale, demonstration value, and technological innovation after being evaluated by experts from the Electronics Research Institute of the Ministry of Industry and Information Technology. It was awarded this prize, becoming the only embodied intelligent robot enterprise to win in this selection.

This project represents an important exploration by Topstar in the evolution of intelligent industrial robots, providing a reusable technical reference for the construction of an industrial data foundation. The project adapts to the management needs of industrial robots for multimodal data, achieving efficient collaboration; it supports high-frequency data collection and high-compression, optimizing storage resources; deploys a vector knowledge base on the edge to enhance AI inference efficiency and data interaction capabilities; and features a lightweight architecture design, facilitating rapid integration and reducing system operation and maintenance costs.

In the future, Tuosida will continue to collaborate with Guochuang Center to build a data platform for embodied intelligence based on openGauss and IntarkDB, enabling industrial robots to evolve from traditional programming

devices into intelligent agents capable of perception, decision-making, and execution. Simultaneously, Tuosida is also working with industry-leading partners to create an open ecosystem. Leveraging nearly 20 years of customer scenario accumulation, they aim to build a commercial closed loop of "scenario + robot + data + AI". While promoting the company's own business expansion, they also facilitate the formation of an ecosystem that can evolve collaboratively and iterate sustainably, driving the large-scale implementation of embodied intelligence in real production environments. This lays a solid technical and ecological foundation for flexible and adaptive production.

### **Kumho Tire plans to develop next-generation digital tires**

On January 5, 2026, Kumho Tire announced that it had established a partnership with Ansible Motion, a UK-based driving simulator specialist, to jointly develop the next-generation digital tire.

Through this collaboration, the two companies plan to leverage cutting-edge digital simulation technology to advance the development of tire performance verification systems. This move is expected to significantly enhance their competitiveness in the field of electric vehicle and high-performance automotive tire development.

Ansible Motion is a globally leading driving simulator company, possessing technology capable of accurately simulating real-world driving environments. The solutions

provided by the company can verify various driving characteristics in a virtual environment, such as vehicle dynamics, driving safety, and ride comfort.

Kumho Tire anticipates that by incorporating Ansible Motion's latest driving simulator into its research and development process, it will be able to reduce the time and cost associated with actual vehicle testing and prototype production, and achieve more precise and efficient performance verification in the early stages of research and development. This move aims to swiftly respond to the rapidly changing travel environment and further enhance digital research and development capabilities.

Kim Young-jin, Executive Vice President of the R&D Department at Kumho Tire, stated, "We will actively utilize advanced simulation technology to launch high-performance, high-value-added products optimized for future travel environments, continuously enhancing our competitiveness in the global market."

This collaboration is also expected to strengthen cooperation with automobile manufacturers. Ansible Motion's simulator has been supplied to multiple automobile companies, including Hyundai Motor Group, BMW Group, Ford, General Motors, and Honda, and is also being used by Continental Group and Nexen Tire. This has established a framework for collaboration based on the same simulator platform, through data sharing and mutual verification.

(R-03)