Robotic & Drones

Cloud-Collaborative AMR Platform with VLM

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Winning Reason

The product vision aligns perfectly with the evolving convergence of Edge AI and cloud computing. By empowering systems to 'understand' environmental semantics through advanced computer vision, our technology provides critical decision-support across a diverse range of sectors. This approach addresses the growing demand for specialized AI applications within vertical domains, transforming raw visual data into actionable intelligence for a smarter future.

Product Feature

The solution enhances operational efficiency and service quality across commercial sectors. With high-precision autonomous navigation and reliable obstacle avoidance, it reduces labor dependency and scheduling costs, helping address workforce shortages. Its modular design and localized supply chain integration lower deployment and maintenance barriers, improving scalability and adoption.By integrating a Vision-Language Model (VLM), the system enables semantic understanding and natural language interaction, supporting task dispatching, route adjustments, and real-time responses. Visual-semantic recognition improves decision-making in complex environments, reducing human intervention. Through edge AI and VLM-driven multimodal data analysis, businesses can optimize routing and operation.