

Horizon and DeepBlue launch partnership to develop smart fuel cell logistics vehicles in China



On September 4th, Shanghai Horizon Fuel Cell New Energy Technology Co., Ltd. (hereinafter referred to as “Horizon”) and DeepBlue Technology (Shanghai) Co.,Ltd. (hereinafter referred to as “DeepBlue”) signed a strategic cooperation agreement to develop smart fuel cell logistics vehicles, to be equipped with DeepBlue’s Artificial Intelligence (hereinafter referred to as “AI”) system and Horizon’s fuel cell technology. The two companies also announced plans to build a joint hydrogen laboratory focusing on the commercialization of smart hydrogen powered fuel cell vehicles.

Based on Horizon’s expertise in fuel cell systems and DeepBlue’s AI core technology, the two companies will jointly develop an AI fuel cell vehicle platform to optimize vehicle control system, power battery system, control strategy of fuel cell and auxiliary system, which can enhance the efficiency and reduce the operation costs of hydrogen fuel cell logistics vehicles. In addition, the AI technology can help to improve the efficiency and safety of the fuel cell system through automatic analysis of the operating status of the system, can perceive environmental and operating conditions and perform fault diagnosis in real time.

Currently, cost and safety are the main barriers for the deployment of fuel cell vehicles, and these AI technologies combined with DeepBlue’s safety-enhancing auto driving system can greatly reduce hydrogen energy consumption of the vehicle and improve its safety performance.

Jack Zhang, General Manager of Horizon China, said : “From the perspective of vehicle development, we

believe that the cooperation with DeepBlue can greatly improve the overall energy consumption during the mass deployments of fuel cell vehicles, as there is room for improvement in energy management applying these AI technologies. Horizon will fully support this project with our knowhow on high power fuel cell stacks and systems and work with DeepBlue to jointly promote the nascent combination of AI + Hydrogen Fuel Cell Industry.”

Chen Haibo, Founder of DeepBlue Technology and Founding Dean of DeepBlue Academy of Sciences, mentioned : “At this stage, the application scenarios of hydrogen energy and fuel cell industry is still being explored and expanded. Mastering core technologies can not only transform the industries of energy and transportation, but also have an important impact on the development of the national economy, and it also has significant influence on promoting scientific and technological progress as well as enhancing the comprehensive strength of China.”

Finally, the two companies signed a cooperation agreement on the joint development of “DeepBlue & Horizon Hydrogen Energy Laboratory”, focusing on the commercialization of the R&D results on the combined AI and hydrogen fuel cell vehicle optimization, aiming to extend the application of smart fuel cell cars to commercial and passenger vehicles, and promote the development of this emerging smart transportation market.

About DeepBlue Technology:

Founded in 2014, DeepBlue Technology is a fast-growing Artificial Intelligence leader. As a platform-based world-class AI Maker, DeepBlue’s technology has been widely deployed in the fields of smart cars, smart environments, and smart cities. Based on the concept of "Serving Humanity through AI", the company is committed to basic research and application development of fundamental AI technologies. Relying on core technologies such as computer vision, bio-intelligence and cognitive intelligence with independent intellectual property rights, it has won championships in many top computer science and artificial intelligence fields in the world, including PAKDD, IEEEISI, CVPR, SIGIR, KDD, and ICCV.

About Horizon Fuel Cell:

Founded in 2003 in Singapore, Horizon Fuel Cell is one of the world’s leading suppliers of high power fuel cell stacks and systems, with major operations in China (Shanghai, Zhangjiagang and Rugao), and partners around the world. Horizon Fuel Cell aims to be instrumental in ensuring hydrogen is the primary energy carrier for transport and power needs around the world. The current focus of the company is driving the adoption of fuel cell electric buses, trucks and port equipment by working with integration partners, electric vehicle builders, and hydrogen infrastructure developers.