

Iran electric vehicle infrastructure

Human life without transportation is inconceivable. Like communication, transportation is a crucial, inseparable feature of our lives. Every day, billions of people around the world hop on underground trains, air planes and automobiles to commute to their offices, travel to tourist resorts, or take their children to school.

Yet, this increasing mobility has its own demerits. Figures show that the transportation sector worldwide accounts for nearly 20 percent of global energy consumption and 30 percent of CO2 emissions. As the battle against environmental degradation and global warming becomes more serious, the transportation industry should also switch towards Earth-friendlier modes.

Despite their increasing popularity worldwide, EVs are still a novel concept in the Iranian market. In addition to the common global challenges of the EV market, i.e. the need to develop diverse technologies in power equipment, electric motors, control system, and batteries, development of the required infrastructure for recharging these automobiles is a key concern. To realize this goal, MAPNA Group has initiated a mission which includes production of EV conversion kits and construction of electric vehicle charging stations (EVCSs).

MAPNA Group is a group of over 70 companies operating in various sectors, including power and water, oil and gas, transportation, and more. The scope of activities within MAPNA Group encompasses the development and transfer of cutting-edge global technologies, the design and production of key equipment based on advanced technologies, as well as the management and execution of large projects. Additionally, the group engages in investment and offers a wide range of engineering, operation and maintenance services to numerous clients in both domestic and international markets.

MAPNA Group will collaborate in development of a roadmap for manufacturing electric vehicles by Iran Khodro (IKCO), Iran's largest automobile manufacturing company.

The news was announced by Farshad Moghimi, CEO of Iran Khodro, during his visit to MECO, MAPNA Group's subsidiary specializing in manufacturing and engineering electric and control systems.

Touring MECO EV infrastructure development shops which included fast and slow charging stations, wall charging stations, and in-wheel motors, Moghimi expressed interest in establishing solid working relations with MAPNA Group.

"The government has passed supportive policies for development of EV platforms," he said. "We are ready for serious engagement in this business in collaboration with MAPNA Group and other companies."

Pointing to MAPNA Group's investment in the electric vehicle industry, Moghimi expressed hope that this

collaboration would speed up manufacturing of electric vehicles inside Iran.

Speaking during the visit was also MAPNA Group President Abbas Aliabadi who stressed the need for meticulous development of EV infrastructures, and consideration of both hardware and software in the EV industry.

Aliabadi pointed to MAPNA Group's dedication to indigenization of the EV technology, expressing hope that the gap with advanced international companies would filled in the short run.

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Web: <https://hollanddutchtours.nl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

