

Electric vehicle infrastructure people s republic of china

On 02 November 2020, the New Energy Vehicle Industry Development Plan (2021-2035) was published by the State Council Office of the People's Republic of China.

The New Energy Vehicle Industry Development Plan (2021-2035) is a strategic top-level policy guiding the development of a comprehensive and fully integrated New Energy Vehicle (NEV) and Intelligent Connected Vehicle (ICV) eco-system in China over the course of the next 15 years and is part of the comprehensive roadmap to develop China into a global automotive powerhouse.

The plan follows the Energy Conservation and New Energy Vehicle Industry Development Plan (2012-2020)[1], which was issued by the State Council in 2012.

The New Energy Vehicle Industry Development Plan (2021-2035) in eight chapters lays out the future trends and key fields for the NEV and ICV industry and market development in China, aiming to systematically:

The policy is based on the assumption that the NEV industry eco-system is evolving from a "chain relationship" between parts, vehicle development and production, marketing and service enterprises, to a "eco-network system" between the automobile industry, and the energy, transportation, information and communication sectors among others.

China will give full play to the decisive role of the market in the allocation of resources, strengthen the main role of enterprises in the selection of technology routes, production and service system construction; better play the role of the government in strategic planning and guidance, standards and regulations, quality and safety supervision, market order maintenance, green consumer guidance, etc., to create a favorable environment for industrial development.

China will deepen the implementation of the innovation-driven development strategy, establish an enterprise-oriented, market-oriented and industry-university-research-application collaborative technological innovation system, improve the institutional environment that stimulates and protects innovation, encourage the parallel development of various technological routes, support various types of subjects to work together to overcome key core technologies, increase the strength of business model innovation, and form a new type of industrial innovation eco-system.

China will improve the coordination mechanism of horizontal coordination and vertical integration, promote the deep integration of NEVs with the energy, transportation, information and communication sectors, and coordinate technical R& D, standard formulation, promotion and application, and infrastructure construction, so as to turn the massive market advantages into industrial advantages.

China will practice the concept of cooperation based on openness, inclusion and mutual benefit and win-win cooperation, expand the opening up to the outside world at a high level, and promote reform, development and innovation with openness; China will adhere to the combination of "bringing in" and "going out", strengthen international cooperation, actively participate in international competition, cultivate new advantages in the automotive industry, so as to realize deep integration into the global industry chain and value chain system.

The New Energy Vehicle Industry Development Plan (2021-2035) is a top-level development blueprint which not only aims at the more market-oriented, and sustainable development of China's NEV and ICV industry but is a guideline for the comprehensive transformation of the country's automotive industry and market as part of a holistic inter-connected eco-system including transport, energy and ICT. The policy can be seen as a stepping-stone, guiding towards the long-term oriented target of China to become a globally highly competitive automotive innovation powerhouse.

Please find below the translation of the original policy New Energy Vehicle Industry Development Plan (2021-2035) into English language (provided by Sebastian Ibold, Xia Yun and Xiao Shuyue of Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH)

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