

Development of 8 Key National Standards for E-Vehicle Charging Infrastructure



PROJECT SNAPSHOT

Country: Vietnam

The widespread adoption of electric vehicles (EVs) hinges on a comprehensive framework for charging infrastructure. However, a critical gap currently exists: a lack of standardized protocols.

Standardization is essential for ensuring compatibility between chargers and vehicles, safety for users, and efficiency in system operation. To bridge this gap, the project is paving the way for a robust electric vehicle (EV) ecosystem in Vietnam by establishing the essential groundwork: official standards for EV charging stations.



ETP'S CONTRIBUTION

To reduce CO2 emissions and promote sustainable transport in Vietnam, this project's core objective is to establish the essential standards that will attract public and private investment for expanding e-vehicle charging infrastructure. This includes ensuring its safety and quality, benefiting both manufacturers and customers. These customized standards will be shared with local and international vehicle manufacturers through comprehensive training programs, ultimately fostering an enabling policy environment in Vietnam.

KEY OUTPUTS

- Develop 8 key national standards for e-vehicle charging infrastructure
- Organize workshops to disseminate national standards to policymakers, policy executors and relevant stakeholders (local and international manufacturers, importers, automobile producers, VCCI and professional communities)
- Ensure that standards are announced to the general public and applied during the production and import of products

CONNECT





IMPLEMENTATION PARTNERS

Bao Loc Technology Joint Stock Company
(BLT. Cert)

STAKEHOLDERS

SMEs Development Support Center 2
(SMEDEC 2)

PROJECT DURATION

May 2023 - June 2024



IMPACT



Creating 8 communication standards between charging stations and the electricity grid to enable installation and licensing by station owners which directly aids green transport growth in Vietnam



OUTCOME



The national standards for e-vehicle charging stations establish the foundation for the long-term development of the green transport sector, reduce emissions and accelerate the energy transition



OUTPUT



Developing e-vehicle charging infrastructure standards and disseminating national standards to industry and stakeholders

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