



EV CHARGING INFRASTRUCTURE

Current State and Regulations in Key Markets

Electric vehicles (EVs) are envisioned to dominate the global mobility market in the near future. Policies are being refined in many countries for greater adoption of EVs as a sustainable public and private mobility solution. In response, utilities, EV manufacturers, operators and technology providers are working towards developing smart and efficient charging infrastructure to meet customer needs of security and convenience.

The EV Charging Infrastructure: Current State and Regulations in Key Markets analyses the market size and opportunity for EVs (four-wheelers and light-duty vehicles) and EV charging infrastructure and provides insights into the policy and regulatory developments in about 30 major markets around the world.

The report has eight sections.

Section 1 is the Executive Summary.

Section 2 of the report provides an overview of the Global EV market and charging infrastructure.

Section 3 focuses on the growth in the EV market and charging infrastructure over the past five years.

Section 4 of the report provides expected growth in the EV market and charging infrastructure.

Section 5 of the report focuses on the key trends in the EV and charging infrastructure markets.

Section 6 of the report provides key policy and regulatory developments across the regions.

Section 7 focuses on charging tariffs and pricing.

Section 8 profiles over 30 key charging infrastructure providers or charge point operators.

Section 9 profiles 30 key markets. Each country profile provides data and analysis on:

- Overview of the EV market
- Expected growth in the market
- Institutional framework
- Policy and regulations
- Charging tariffs and pricing
- Key players and their plans

Section 10 of the report is the appendix. It includes a note on sources and methodology, definitions of key terms, statistics on the number of EVs and public charging points in key markets, and a list of acronyms.

This report is indispensable for any organisation interested in the EV Charging Infrastructure - electric and power utilities; transmission and distribution system operators; charging station developers and operators; charging technology and equipment manufacturers and suppliers; public transportation authorities; transport and city infrastructure planning experts; commercial vehicle management companies; government and regulatory agencies; renewable energy developers; OEMs and EV manufacturers; logistics and fleet operators; contractors, engineering consultants; research institutions and academia; financial institutions, legal experts; etc.

The report is available in a Power Point presentation (converted to PDF).

The report is priced at USD4,000.

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Sources and Methodology

Global Transmission Research's industry analysts have utilized various primary and secondary research sources in preparing this report. Extensive secondary research has been conducted by our analysts and research associates. These secondary sources include, but are not limited to, websites of regulators and government agencies; websites of charge point operators and EVSEs; publicly-available analyst reports; government documents; websites of relevant industry associations; internal and external proprietary databases; news articles; and press reports.

Primary research includes interviews conducted to gain insights into market trends, cost analysis, regulatory developments, etc. We have also researched the available industry literature and reports for these topics.

These primary and secondary research sources, combined with our industry expertise, have been synthesized into qualitative and quantitative analyses which have been presented in this report. Wherever applicable, all research sources are appropriately cited within this report.

Please note that this report does not take into account any possible impact of the ongoing COVID-19 situation on forecasts and targets. The industry will likely see delays and cost overruns over the next two years. Therefore, we have taken a longer-term analysis period of 2020-2030 for forecasting EV sales and charging infrastructure forecast. That said, we have included a short analysis on impact of COVID-19 on the EV market in coming years.

Great care has been taken to ensure that all analysis is well supported by facts. Where facts were not available and assumptions were made, we have explained our assumptions and our methods of estimation.

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Global Transmission Research is a leading provider of information and analysis on the global electricity transmission industry. We publish newsletters and reports and organise conferences on crucial issues and topical themes relevant to the transmission industry. We publish the Global Transmission Report (a monthly newsletter) and Global Transmission Weekly (a weekly update). We also operate the website www.globaltransmission.info. These products and services provide information on all the key developments, trends and issues in the sector.

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