

EV Platform Market by EV Type (BEV, PHEV), Electric Passenger Car (Hatchback, Sedan, Utility Vehicles), Electric CV (Bus, Truck, Van/Pick-up Truck), Component (Suspension, Steering, Motor, Brake, Chassis, ECU, Battery) and Region - Global Forecast to 2030

<https://marketpublishers.com/r/EF53948A0ABCEN.html>

Date: February 2023

Pages: 225

Price: US\$ 4,950.00 (Single User License)

ID: EF53948A0ABCEN

Abstracts

The EV Platform market is estimated to grow from USD 9.0 billion in 2022 to USD 68.0 billion by 2030 at a CAGR of 28.7% during the forecast period. Cost advantages and improved cab design that EV platforms offer, plus the demand for advanced batteries, lightweight EV components, and an increased range of electric vehicles, are expected to ultimately drive the demand for EV Platforms.

“Electric Vans and Pickup Trucks is expected to be the fastest-growing segment for commercial vehicle EV platforms.”

Electric Vans and Pickup Trucks segment is expected to be the fastest-growing commercial vehicle EV platform during the forecast period, followed by Electric Buses. The development of efficient and emission-less public transportation and the growth of the logistics and freights industry are expected to boost the need for emission-free commercial vehicles. Moreover, OEMs are shifting their focus to developing electric commercial vehicles for better operational accuracy, fuel economy, and coordination. All these factors are expected to drive the EV platform technologies in the commercial vehicle segment. For example, in the US, where a large part of the freights is carried via road, the government and companies have actively invested in developing commercial vehicle EV platforms. This includes platforms by Rivian Automotive inc. (US), Canoo (US), and Via Motors (US). Many of these firms have received substantial orders for

their vehicles based on EV platforms from E-commerce giants like Amazon (US), Walmart (US), etc. With the growing e-commerce industry, increased logistics, and the number of trips, the demand for electric vans and pick-up trucks is expected to grow in the coming years, which would also drive the demand for EV platforms in this segment.

“BEV segment is expected to witness the largest market during the forecast period.”

BEVs will be the largest and fastest-growing segment as compared to PHEVs. This is because it is easier for manufacturers to design and manufacture a pure EV than PHEV because of the complex design and architecture of PHEV vehicles. Also, many countries will completely phase out fossil fuel-driven vehicles by the next decade. It should also be noted that many countries don't give any tax reductions on purchasing hybrid EVs. Hence, these factors will contribute to the expected growth of BEV platforms. Presently, of the total electric vehicle sales, 74% are BEVs. PHEV sales are down because subsidies are withdrawn, and automakers concentrate on full-electric models.

Europe is expected to register as the second-largest market

European governments are providing incentives to promote electric vehicles. Consequently, the demand for electric vehicles has increased significantly in the region. The region is home to manufacturers such as Renault (France), Volkswagen Group (Germany), and others. Europe has set an ambitious goal of reducing 80% of CO2 emissions by 2050 and has created a roadmap accordingly. European governments are also subsidizing electric vehicle infrastructure, and the focus is expected to continue to be on electric vehicles in the long run. There are a few major players in the European EV platform market, such as Volkswagen Group with their MEB platform, Groupe PSA (Peugeot Citroen) with their e-CMP, and Renault and Volvo Cars with their Scalable Product Architecture (SPA).

Additionally, other manufacturers, such as Daimler (Germany) and BMW (Germany), have announced plans to develop EV platforms of their own. In Europe, the market for EV platforms is expected to grow significantly over the next several years as more manufacturers enter the market and the demand for electric vehicles continues to increase. This is driven by stricter emission regulations, increasing consumer demand for sustainable transportation options, and government incentives for adopting electric vehicles.

Breakdown of primaries

The study contains various industry experts' insights, from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type: OEMs – 90%, Tier I/II - 10%,

By Designation: C level - 50%, Director Level– 30%, Others– 20%

By Region: Asia Pacific - 55%, Europe - 30%, North America - 15%

The key players in the automotive EV Platform market are Volkswagen Group (Germany), BYD Company Ltd. (China), Hyundai Motor Group (South Korea), Renault (France), and Ford (US). The key strategies adopted by major companies to sustain their position in the market are expansions, contracts and agreements, and partnerships.

Research Coverage

The EV Platform market by Platform (P0, P1, P2, P3, P4), By Vehicle Type (Hatchback, Sedan, Utility Vehicles), Commercial Vehicles (Trucks, Vans, Pick-up Trucks/Vans), EV Type (BEV, PHEV), By Components (Battery, Motors, Chassis, Motors, ECU, Suspension System, Steering System, Brakes), By Region (North America, Asia-Pacific, Europe).

Key Benefits of Buying the Report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the EV platform market and the sub-segments. This will also help the key players identify the highest potential region and design its product portfolio per market requirements. A detailed study on BEVs and PHEVs EV platforms is expected to help manufacturers understand their potential market. This report includes various analyses like supply chain, average selling price analysis, supply chain analysis, market ecosystem, porter's analysis, and regulatory landscape. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the market's pulse and provides information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 EV PLATFORM MARKET DEFINITION, BY PLATFORM

1.2.2 EV PLATFORM MARKET DEFINITION, BY COMPONENT

1.3 STUDY SCOPE

FIGURE 1 MARKETS COVERED

FIGURE 2 REGIONS COVERED

1.4 INCLUSIONS AND EXCLUSIONS

1.5 YEARS CONSIDERED

1.6 CURRENCY CONSIDERED

TABLE 1 CURRENCY EXCHANGE RATES (PER USD)

1.7 LIMITATIONS

1.8 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 3 RESEARCH DESIGN

FIGURE 4 RESEARCH METHODOLOGY MODEL

2.1.1 SECONDARY DATA

2.1.1.1 Key secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

FIGURE 5 BREAKDOWN OF PRIMARY INTERVIEWS

2.1.2.1 Primary participants

2.1.3 SAMPLING TECHNIQUES AND DATA COLLECTION METHODS

2.2 MARKET ESTIMATION METHODOLOGY

FIGURE 6 MARKET ESTIMATION METHODOLOGY

2.2.1 BOTTOM-UP APPROACH

FIGURE 7 BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

FIGURE 8 TOP-DOWN APPROACH

2.3 DATA TRIANGULATION

FIGURE 9 DATA TRIANGULATION

2.4 FACTOR ANALYSIS

FIGURE 10 FACTORS INFLUENCING MARKET

FIGURE 11 DEMAND- AND SUPPLY-SIDE FACTOR ANALYSIS

2.5 RESEARCH ASSUMPTIONS

2.6 RESEARCH LIMITATIONS

3 EXECUTIVE SUMMARY

FIGURE 12 REPORT SUMMARY

FIGURE 13 EV PLATFORM MARKET, BY REGION, 2022 VS. 2030 (USD MILLION)

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN EV PLATFORM MARKET

FIGURE 14 INCREASED FOCUS ON ELECTRIFICATION AND EMISSION CONTROLS

4.2 EV PLATFORM MARKET, BY VEHICLE TYPE

FIGURE 15 UTILITY VEHICLES TO HOLD LARGEST MARKET SHARE BY 2030

4.3 EV PLATFORM MARKET, BY COMPONENT

FIGURE 16 BATTERIES SURPASS OTHER EV PLATFORM COMPONENTS

4.4 ELECTRIC COMMERCIAL VEHICLE PLATFORM MARKET, BY VEHICLE TYPE

FIGURE 17 ELECTRIC VANS/PICKUP TRUCKS TO HOLD DOMINANCE IN MARKET

4.5 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE

FIGURE 18 BEVS HOLD LARGER SHARE OVER PHEVS DURING FORECAST PERIOD

4.6 EV PLATFORM MARKET, BY REGION

FIGURE 19 ASIA PACIFIC TO BE FASTEST-GROWING REGION IN EV PLATFORM MARKET

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 20 EV PLATFORM MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Benefits of modular EV platforms over conventional chassis

5.2.1.1.1 Rising demand for EV platforms in passenger cars

FIGURE 21 SALES OF ELECTRIC PASSENGER CARS, 2018–2021 (THOUSAND UNITS)

5.2.1.1.2 Rising demand for EV platforms in commercial vehicles

5.2.2 RESTRAINTS

5.2.2.1 High initial investment to develop EV platforms

5.2.2.2 Soaring energy costs

TABLE 2 AVERAGE ELECTRICITY COST, 2020–2021

FIGURE 22 EV CHARGING DEMAND, 2020 VS. 2025 VS. 2030

5.2.2.3 Limited range of EV platforms

5.2.3 OPPORTUNITIES

5.2.3.1 Preference for high-voltage and long-range EV platforms

5.2.3.2 High demand for solid-state batteries to deploy in EV platforms

TABLE 3 EV BATTERY INNOVATIONS

5.2.3.3 Growing demand for end-to-end software-defined vehicle platforms

5.2.3.4 Development of lightweight EV platforms

5.2.3.5 Use of electric vehicles in fleet and commercial applications

TABLE 4 MAJOR EV FLEET TARGETS

5.2.4 CHALLENGES

5.2.4.1 Shortage of lithium

FIGURE 23 LITHIUM-ION DEMAND AND SUPPLY, 2016–2030 (KT)

5.2.4.2 Long charging time

5.3 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 PORTER'S FIVE FORCES ANALYSIS

FIGURE 24 PORTER'S FIVE FORCES ANALYSIS

5.3.1 THREAT OF NEW ENTRANTS

5.3.2 THREAT OF SUBSTITUTES

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

5.4 TRADE ANALYSIS

5.4.1 EXPORT TRADE DATA

5.4.1.1 US

TABLE 6 US: HS CODE: 870240: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

TABLE 7 US: HS CODE: 870380: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

5.4.1.2 China

TABLE 8 CHINA: HS CODE: 870240: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

TABLE 9 CHINA: HS CODE: 870380: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

5.4.1.3 Germany

TABLE 10 GERMANY: HS CODE: 870240: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

TABLE 11 GERMANY: HS CODE: 870380: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

5.4.1.4 Switzerland

TABLE 12 SWITZERLAND: HS CODE: 870240: PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

TABLE 13 SWITZERLAND: HS CODE: 870380: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

5.4.1.5 Netherlands

TABLE 14 NETHERLANDS: HS CODE: 870240: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

TABLE 15 NETHERLANDS: HS CODE: 870380: EV PLATFORM EXPORT SHARE DATA, BY COUNTRY (VALUE %)

5.4.2 IMPORT TRADE DATA

5.4.2.1 Germany

TABLE 16 GERMANY: HS CODE: 870240: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

TABLE 17 GERMANY: HS CODE: 870380: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

5.4.2.2 China

TABLE 18 CHINA: HS CODE: 870240: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

TABLE 19 CHINA: HS CODE: 870380: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

5.4.2.3 US

TABLE 20 US: HS CODE: 870240: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

TABLE 21 US: HS CODE: 870380: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

5.4.2.4 Switzerland

TABLE 22 SWITZERLAND: HS CODE: 870240: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

TABLE 23 SWITZERLAND: HS CODE: 870380: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

5.4.2.5 Netherlands

TABLE 24 NETHERLANDS: HS CODE: 870240: EV PLATFORM IMPORT SHARE, BY COUNTRY (VALUE %)

TABLE 25 NETHERLANDS: HS CODE: 870380: EV PLATFORM IMPORT SHARE, BY

COUNTRY (VALUE %)

5.5 TRENDS AND DISRUPTIONS IN EV PLATFORM MARKET

FIGURE 25 REVENUE SHIFTS IN EV PLATFORM MARKET

5.6 CASE STUDY ANALYSIS

5.6.1 EV PLATFORMS: COMPANY PRODUCT PORTFOLIO

5.6.2 RENAULT, NISSAN, AND MITSUBISHI MOTORS ANNOUNCE COMMON ROADMAP

5.6.3 CANOO DELIVERS LIGHT TACTICAL VEHICLES TO ARMY FOR ANALYSIS AND DEMONSTRATION

5.6.4 VOLKSWAGEN SOLVES MASSIVE SOFTWARE PROBLEMS FOR NEW ELECTRIC CARS

5.6.5 NOISE REDUCTION IN ELECTRIC VEHICLE INTERFACES

5.7 PATENT ANALYSIS

TABLE 26 ACTIVE PATENTS

5.8 SUPPLY CHAIN ANALYSIS

FIGURE 26 SUPPLY CHAIN ANALYSIS

5.9 ECOSYSTEM MAP

TABLE 27 ROLE OF COMPANIES IN EV PLATFORM MARKET

5.10 REGULATORY AUTHORITIES, BY REGION

5.10.1 NORTH AMERICA

TABLE 28 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.10.2 EUROPE

TABLE 29 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.10.3 ASIA PACIFIC

TABLE 30 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.11 INCENTIVES FOR ELECTRIC VEHICLES AND EV CHARGING STATIONS, BY COUNTRY

5.11.1 NETHERLANDS

TABLE 31 NETHERLANDS: ELECTRIC VEHICLE INCENTIVES

TABLE 32 NETHERLANDS: ELECTRIC VEHICLE CHARGING STATION INCENTIVES

5.11.2 GERMANY

TABLE 33 GERMANY: ELECTRIC VEHICLE INCENTIVES

TABLE 34 GERMANY: ELECTRIC VEHICLE CHARGING STATION INCENTIVES

5.11.3 FRANCE

TABLE 35 FRANCE: ELECTRIC VEHICLE INCENTIVES

TABLE 36 FRANCE: ELECTRIC VEHICLE CHARGING STATION INCENTIVES

5.11.4 UK

TABLE 37 UK: ELECTRIC VEHICLE INCENTIVES

TABLE 38 UK: ELECTRIC VEHICLE CHARGING STATION INCENTIVES

5.11.5 CHINA

TABLE 39 CHINA: ELECTRIC VEHICLE INCENTIVES

TABLE 40 CHINA: ELECTRIC VEHICLE CHARGING STATION INCENTIVES

5.11.6 US

TABLE 41 US: ELECTRIC VEHICLE INCENTIVES

TABLE 42 US: ELECTRIC VEHICLE CHARGING STATION INCENTIVES

5.12 PRICING ANALYSIS

5.12.1 ASP ANALYSIS, 2022 (USD)

TABLE 43 ASP ANALYSIS, 2022 (USD)

TABLE 44 ASP ANALYSIS, BY VEHICLE TYPE, 2022 (USD)

5.13 TECHNOLOGY TRENDS

5.13.1 SOLID-STATE BATTERIES

5.13.2 IOT

5.13.3 OPEN EV PLATFORMS FOR SOFTWARE-DEFINED VEHICLES

5.14 CONFERENCES AND EVENTS, 2022–2023

5.15 KEY STAKEHOLDERS AND BUYING CRITERIA

5.15.1 KEY STAKEHOLDERS IN BUYING PROCESS

TABLE 45 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR EV PLATFORMS (%)

5.15.2 BUYING CRITERIA

FIGURE 27 KEY BUYING CRITERIA

TABLE 46 KEY BUYING CRITERIA

6 EV PLATFORMS

6.1 INTRODUCTION

6.1.1 KEY PRIMARY INSIGHTS

6.2 P0

6.3 P1

6.4 P2

6.5 P3

6.6 P4

7 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE

(This chapter is further segmented into region level - North America, Europe, Asia

Pacific)

7.1 INTRODUCTION

FIGURE 28 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022 VS. 2030
(USD MILLION)

7.1.1 RESEARCH METHODOLOGY

7.1.2 KEY PRIMARY INSIGHTS

7.1.3 ASSUMPTIONS

TABLE 47 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021
(UNITS)

TABLE 48 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030
(UNITS)

TABLE 49 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021
(USD MILLION)

TABLE 50 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030
(USD MILLION)

7.2 BATTERY ELECTRIC VEHICLES

7.2.1 GOVERNMENT PROVISION OF TAX BENEFITS AND INCENTIVES

TABLE 51 BEVS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 52 BEVS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 53 BEVS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 54 BEVS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

7.3 PLUG-IN HYBRID ELECTRIC VEHICLES

7.3.1 HIGH PERFORMANCE DUE TO LARGE BATTERY PACKS AND LESS
DEPENDENCE ON ICE

TABLE 55 PHEVS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 56 PHEVS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 57 PHEVS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD
MILLION)

TABLE 58 PHEVS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD
MILLION)

8 EV PLATFORM MARKET, BY VEHICLE TYPE

(This chapter is further segmented into region level - North America, Europe, Asia
Pacific)

8.1 INTRODUCTION

8.1.1 RESEARCH METHODOLOGY

8.1.2 KEY PRIMARY INSIGHTS

8.1.3 ASSUMPTIONS

FIGURE 29 EV PLATFORM MARKET, BY VEHICLE TYPE, 2022 VS. 2030 (USD MILLION)

TABLE 59 EV PLATFORM MARKET, BY VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 60 EV PLATFORM MARKET, BY VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 61 EV PLATFORM MARKET, BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 62 EV PLATFORM MARKET, BY VEHICLE TYPE, 2022–2030 (USD MILLION)

8.2 HATCHBACKS

TABLE 63 HATCHBACKS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 64 HATCHBACKS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 65 HATCHBACKS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 66 HATCHBACKS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

8.3 SEDANS

TABLE 67 SEDANS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 68 SEDANS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 69 SEDANS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 70 SEDANS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

8.4 UTILITY VEHICLES (SUVS/MUVS)

TABLE 71 UTILITY VEHICLES: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 72 UTILITY VEHICLES: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 73 UTILITY VEHICLES: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 74 UTILITY VEHICLES: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

9 EV PLATFORM MARKET, BY COMPONENT

(This chapter is further segmented into region level - North America, Europe, Asia Pacific)

9.1 INTRODUCTION

9.1.1 RESEARCH METHODOLOGY

9.1.2 KEY PRIMARY INSIGHTS

9.1.3 ASSUMPTIONS

FIGURE 30 EV PLATFORM MARKET, BY COMPONENT, 2022 VS. 2030 (USD MILLION)

TABLE 75 EV PLATFORM MARKET, BY COMPONENT, 2018–2021 (UNITS)

TABLE 76 EV PLATFORM MARKET, BY COMPONENT, 2022–2030 (UNITS)

TABLE 77 EV PLATFORM MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 78 EV PLATFORM MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

9.2 SUSPENSION SYSTEMS

9.2.1 PREFERENCE FOR BETTER RIDE LUXURY AND DRIVING EXPERIENCE

TABLE 79 SUSPENSION SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 80 SUSPENSION SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 81 SUSPENSION SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 82 SUSPENSION SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

9.3 STEERING SYSTEMS

9.3.1 INCREASED ENERGY EFFICIENCY AND LOW MAINTENANCE

TABLE 83 STEERING SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 84 STEERING SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 85 STEERING SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 86 STEERING SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

9.4 MOTOR SYSTEMS

9.4.1 HIGH TORQUE, LOW NOISE, AND FUEL EFFICIENCY FEATURES

TABLE 87 MOTOR SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 88 MOTOR SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 89 MOTOR SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 90 MOTOR SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

9.5 BATTERIES

9.5.1 INCREASED DEMAND FOR HIGH-VOLTAGE AND HIGH-CAPACITY

BATTERIES

TABLE 91 BATTERIES: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 92 BATTERIES: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 93 BATTERIES: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 94 BATTERIES: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

9.6 BRAKE SYSTEMS

9.6.1 SAFETY AND REGENERATIVE CHARGING FEATURES

TABLE 95 BRAKE SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 96 BRAKE SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 97 BRAKE SYSTEMS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 98 BRAKE SYSTEMS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

9.7 CHASSIS

9.7.1 HIGH DEMAND FOR CRASH-IMPACTING ZONES IN CHASSIS

TABLE 99 CHASSIS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 100 CHASSIS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 101 CHASSIS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 102 CHASSIS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

9.8 ELECTRONIC CONTROL UNITS

9.8.1 GROWING MODULARITY AND COMPLEXITY OF EV ARCHITECTURE

TABLE 103 ECUS: EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 104 ECUS: EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 105 ECUS: EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 106 ECUS: EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

10 ELECTRIC COMMERCIAL VEHICLE PLATFORM MARKET, BY VEHICLE TYPE

(This chapter is further segmented into region level - North America, Europe, Asia Pacific)

10.1 INTRODUCTION

10.1.1 RESEARCH METHODOLOGY

10.1.2 ASSUMPTIONS

FIGURE 31 ELECTRIC COMMERCIAL VEHICLE PLATFORM MARKET, BY VEHICLE TYPE, 2022 VS. 2030 (USD MILLION)

TABLE 107 ELECTRIC COMMERCIAL VEHICLE PLATFORM MARKET, BY VEHICLE TYPE, 2022–2030 (UNITS)

10.2 ELECTRIC TRUCKS

10.2.1 FAVORABLE GOVERNMENT INCENTIVES

TABLE 108 ELECTRIC TRUCKS PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

10.3 ELECTRIC BUSES

10.3.1 PREFERENCE FOR EMISSION-FREE PUBLIC TRANSPORT

TABLE 109 ELECTRIC BUSES PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

10.4 ELECTRIC VANS/PICKUP TRUCKS

10.4.1 HIGH DEMAND FROM LOGISTICS PROVIDERS

TABLE 110 ELECTRIC VANS/PICKUP TRUCKS PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

11 EV PLATFORM MARKET, BY REGION

(The chapter is further segmented into vehicle type (BEV, and PHEV))

11.1 INTRODUCTION

11.1.1 RESEARCH METHODOLOGY

11.1.2 INDUSTRY INSIGHTS

11.1.3 ASSUMPTIONS

FIGURE 32 EV PLATFORM MARKET, BY REGION, 2022 VS. 2030 (USD MILLION)

TABLE 111 EV PLATFORM MARKET, BY REGION, 2018–2021 (UNITS)

TABLE 112 EV PLATFORM MARKET, BY REGION, 2022–2030 (UNITS)

TABLE 113 EV PLATFORM MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 114 EV PLATFORM MARKET, BY REGION, 2022–2030 (USD MILLION)

11.2 NORTH AMERICA

FIGURE 33 NORTH AMERICA: EV PLATFORM MARKET SNAPSHOT

TABLE 115 NORTH AMERICA: EV PLATFORM MARKET, BY COUNTRY, 2018–2021 (UNITS)

TABLE 116 NORTH AMERICA: EV PLATFORM MARKET, BY COUNTRY, 2022–2030 (UNITS)

TABLE 117 NORTH AMERICA: EV PLATFORM MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 118 NORTH AMERICA: EV PLATFORM MARKET, BY COUNTRY, 2022–2030
(USD MILLION)

11.2.1 US

11.2.1.1 Investments in research and production capacity of electric vehicles

TABLE 119 US: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021
(UNITS)

TABLE 120 US: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030
(UNITS)

TABLE 121 US: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021
(USD MILLION)

TABLE 122 US: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030
(USD MILLION)

11.2.2 CANADA

11.2.2.1 Developments in electric vehicle infrastructure

TABLE 123 CANADA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,
2018–2021 (UNITS)

TABLE 124 CANADA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,
2022–2030 (UNITS)

TABLE 125 CANADA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,
2018–2021 (USD MILLION)

TABLE 126 CANADA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,
2022–2030 (USD MILLION)

11.3 EUROPE

FIGURE 34 EUROPE: EV PLATFORM MARKET SNAPSHOT

TABLE 127 EUROPE: EV PLATFORM MARKET, BY COUNTRY, 2018–2021 (UNITS)

TABLE 128 EUROPE: EV PLATFORM MARKET, BY COUNTRY, 2022–2030 (UNITS)

TABLE 129 EUROPE: EV PLATFORM MARKET, BY COUNTRY, 2018–2021 (USD
MILLION)

TABLE 130 EUROPE: EV PLATFORM MARKET, BY COUNTRY, 2022–2030 (USD
MILLION)

11.3.1 FRANCE

11.3.1.1 Government incentives to boost demand for EVs

TABLE 131 FRANCE: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,
2018–2021 (UNITS)

TABLE 132 FRANCE: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,
2022–2030 (UNITS)

TABLE 133 FRANCE: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,
2018–2021 (USD MILLION)

TABLE 134 FRANCE: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE,

2022–2030 (USD MILLION)

11.3.2 GERMANY

11.3.2.1 Rising sales of EVs by domestic players

TABLE 135 GERMANY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 136 GERMANY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 137 GERMANY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 138 GERMANY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.3.3 NETHERLANDS

11.3.3.1 Government focus toward greener vehicles

TABLE 139 NETHERLANDS: EV PLATFORM MARKET, ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 140 NETHERLANDS: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 141 NETHERLANDS: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 142 NETHERLANDS: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.3.4 NORWAY

11.3.4.1 Stringency in government regulations

TABLE 143 NORWAY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 144 NORWAY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 145 NORWAY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 146 NORWAY: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.3.5 SWEDEN

11.3.5.1 Investments by global automotive giants in developing EV platforms

TABLE 147 SWEDEN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 148 SWEDEN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 149 SWEDEN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 150 SWEDEN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.3.6 UK

11.3.6.1 Domestic investment in ultra-low-emission vehicles

TABLE 151 UK: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 152 UK: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 153 UK: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 154 UK: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.3.7 SPAIN

11.3.7.1 Increased investments in BEVs

TABLE 155 SPAIN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 156 SPAIN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 157 SPAIN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 158 SPAIN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.4 ASIA PACIFIC

TABLE 159 ASIA PACIFIC: EV PLATFORM MARKET, BY COUNTRY, 2018–2021 (UNITS)

TABLE 160 ASIA PACIFIC: EV PLATFORM MARKET, BY COUNTRY, 2022–2030 (UNITS)

TABLE 161 ASIA PACIFIC: EV PLATFORM MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 162 ASIA PACIFIC: EV PLATFORM MARKET, BY COUNTRY, 2022–2030 (USD MILLION)

11.4.1 CHINA

11.4.1.1 Increased development of EVs, EV infrastructure, and battery technologies

TABLE 163 CHINA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 164 CHINA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 165 CHINA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 166 CHINA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.4.2 INDIA

11.4.2.1 Mahindra and Tata Motors unveiled EV platforms for their future EVs

TABLE 167 INDIA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 168 INDIA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 169 INDIA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 170 INDIA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.4.3 JAPAN

11.4.3.1 Advancements in battery technology

TABLE 171 JAPAN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 172 JAPAN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 173 JAPAN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 174 JAPAN: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

11.4.4 SOUTH KOREA

11.4.4.1 Increased investments in electric vehicles

TABLE 175 SOUTH KOREA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (UNITS)

TABLE 176 SOUTH KOREA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (UNITS)

TABLE 177 SOUTH KOREA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 178 SOUTH KOREA: EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2030 (USD MILLION)

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 MARKET SHARE AND RANKING ANALYSIS

TABLE 179 MARKET SHARE ANALYSIS, 2022

FIGURE 35 MARKET SHARE AND RANKING ANALYSIS, 2022

12.3 REVENUE ANALYSIS OF TOP PLAYERS

FIGURE 36 PLAYERS DOMINATING EV PLATFORM MARKET IN LAST THREE YEARS

12.4 COMPETITIVE LEADERSHIP MAPPING

12.4.1 STARS

12.4.2 EMERGING LEADERS

12.4.3 PERVASIVE PLAYERS

12.4.4 PARTICIPANTS

TABLE 180 EV PLATFORM MARKET: COMPANY FOOTPRINT, 2022

TABLE 181 EV PLATFORM MARKET: TECHNOLOGY FOOTPRINT

TABLE 182 EV PLATFORM MARKET: REGIONAL FOOTPRINT

FIGURE 37 COMPANY EVALUATION QUADRANT, 2022

12.5 COMPETITIVE SCENARIO

12.5.1 NEW PRODUCT DEVELOPMENTS

TABLE 183 NEW PRODUCT DEVELOPMENTS, 2020–2022

12.5.2 DEALS

TABLE 184 DEALS, 2020–2022

12.5.3 OTHERS

TABLE 185 OTHERS, 2020–2022

FIGURE 38 STRATEGIES ADOPTED BY PLAYERS

12.6 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 186 KEY GROWTH STRATEGIES

12.7 COMPETITIVE BENCHMARKING

TABLE 187 EV PLATFORM MARKET: KEY STARTUPS/SMES

TABLE 188 EV PLATFORM MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

13 COMPANY PROFILES

13.1 KEY PLAYERS

(Business overview, Products offered, Recent developments, MnM view, Right to win, Strategic choices, and Weaknesses and competitive threats)

13.1.1 VOLKSWAGEN GROUP

TABLE 189 VOLKSWAGEN GROUP: BUSINESS OVERVIEW

FIGURE 39 VOLKSWAGEN GROUP: COMPANY SNAPSHOT

TABLE 190 VOLKSWAGEN GROUP: PRODUCTS OFFERED

TABLE 191 VOLKSWAGEN GROUP: NEW PRODUCT DEVELOPMENTS

TABLE 192 VOLKSWAGEN GROUP: DEALS

13.1.2 BYD COMPANY LTD.

TABLE 193 BYD COMPANY LTD.: BUSINESS OVERVIEW

FIGURE 40 BYD COMPANY LTD.: COMPANY SNAPSHOT

TABLE 194 BYD COMPANY LTD.: PRODUCTS OFFERED

TABLE 195 BYD COMPANY LTD.: NEW PRODUCT DEVELOPMENTS

TABLE 196 BYD COMPANY LTD.: DEALS

TABLE 197 BYD COMPANY LTD: OTHERS

13.1.3 HYUNDAI MOTOR GROUP

TABLE 198 HYUNDAI MOTOR GROUP: BUSINESS OVERVIEW

FIGURE 41 HYUNDAI MOTOR GROUP: COMPANY SNAPSHOT

TABLE 199 HYUNDAI MOTOR GROUP: PRODUCTS OFFERED

TABLE 200 HYUNDAI MOTOR GROUP: NEW PRODUCT DEVELOPMENTS

TABLE 201 HYUNDAI MOTOR GROUP: DEALS

TABLE 202 HYUNDAI MOTOR GROUP: OTHERS

13.1.4 RENAULT

TABLE 203 RENAULT: BUSINESS OVERVIEW

FIGURE 42 RENAULT: COMPANY SNAPSHOT

TABLE 204 RENAULT: PRODUCTS OFFERED

TABLE 205 RENAULT: NEW PRODUCT DEVELOPMENTS

TABLE 206 RENAULT: DEALS

TABLE 207 RENAULT: OTHERS

13.1.5 FORD MOTOR COMPANY

TABLE 208 FORD MOTOR COMPANY: BUSINESS OVERVIEW

FIGURE 43 FORD MOTOR COMPANY: COMPANY SNAPSHOT

TABLE 209 FORD MOTOR COMPANY: PRODUCTS OFFERED

TABLE 210 FORD MOTOR COMPANY: NEW PRODUCT DEVELOPMENTS

TABLE 211 FORD MOTOR COMPANY: DEALS

13.1.6 TOYOTA

TABLE 212 TOYOTA: BUSINESS OVERVIEW

FIGURE 44 TOYOTA.: COMPANY SNAPSHOT

TABLE 213 TOYOTA: PRODUCTS OFFERED

TABLE 214 TOYOTA: DEALS

13.1.7 GENERAL MOTORS

TABLE 215 GENERAL MOTORS: BUSINESS OVERVIEW

FIGURE 45 GENERAL MOTORS: COMPANY SNAPSHOT

TABLE 216 GENERAL MOTORS: PRODUCTS OFFERED

TABLE 217 GENERAL MOTORS: NEW PRODUCT DEVELOPMENTS

TABLE 218 GENERAL MOTORS: DEALS

TABLE 219 GENERAL MOTORS: OTHERS

13.1.8 REE AUTOMOTIVE

TABLE 220 REE AUTOMOTIVE: BUSINESS OVERVIEW

TABLE 221 REE AUTOMOTIVE: PRODUCTS OFFERED

TABLE 222 REE AUTOMOTIVE: NEW PRODUCT DEVELOPMENTS

TABLE 223 REE AUTOMOTIVE: DEALS

TABLE 224 REE AUTOMOTIVE: OTHERS

13.1.9 MAHINDRA & MAHINDRA

TABLE 225 MAHINDRA & MAHINDRA: BUSINESS OVERVIEW

FIGURE 46 MAHINDRA & MAHINDRA: COMPANY SNAPSHOT

TABLE 226 MAHINDRA & MAHINDRA: PRODUCTS OFFERED

TABLE 227 MAHINDRA & MAHINDRA: NEW PRODUCT DEVELOPMENTS

TABLE 228 MAHINDRA & MAHINDRA: DEALS

13.1.10 NIDEC CORPORATION

TABLE 229 NIDEC CORPORATION: BUSINESS OVERVIEW

FIGURE 47 NIDEC CORPORATION: COMPANY SNAPSHOT

TABLE 230 NIDEC CORPORATION: PRODUCTS OFFERED

TABLE 231 NIDEC CORPORATION: NEW PRODUCT DEVELOPMENTS

TABLE 232 NIDEC CORPORATION: DEALS

13.1.11 ZERO LABS AUTOMOTIVE

TABLE 233 ZERO LABS AUTOMOTIVE: BUSINESS OVERVIEW

TABLE 234 ZERO LABS AUTOMOTIVE: PRODUCTS OFFERED

TABLE 235 ZERO LABS AUTOMOTIVE: NEW PRODUCT DEVELOPMENTS

13.2 OTHER PLAYERS

13.2.1 VIA MOTORS

TABLE 236 VIA MOTORS: COMPANY OVERVIEW

13.2.2 RIVIAN AUTOMOTIVE

TABLE 237 RIVIAN AUTOMOTIVE: COMPANY OVERVIEW

13.2.3 HON HAI PRECISION INDUSTRY CO., LTD.

TABLE 238 HON HAI PRECISION INDUSTRY CO., LTD.: COMPANY OVERVIEW

13.2.4 BENTELER AG

TABLE 239 BENTELER AG: COMPANY OVERVIEW

13.2.5 CANOO

TABLE 240 CANOO: COMPANY OVERVIEW

*Details on Business overview, Products offered, Recent developments, MnM view, Right to win, Strategic choices, and Weaknesses and competitive threats might not be captured in case of unlisted companies.

14 RECOMMENDATIONS FROM MARKET SANDMARKETS

14.1 ASIA PACIFIC TO BE FASTEST-GROWING MARKET FOR EV PLATFORMS

- 14.2 PARTNERSHIPS TO PLAY CRUCIAL ROLE IN EV PLATFORM MARKET
- 14.3 IMPROVEMENTS IN EV BATTERY TECHNOLOGY TO PROVIDE IMPETUS TO EV PLATFORM MARKET
- 14.4 CONCLUSION

15 APPENDIX

- 15.1 KEY INSIGHTS FROM INDUSTRY EXPERTS
- 15.2 DISCUSSION GUIDE
- 15.3 KNOWLEDGESTORE: MARKETSandMARKETS SUBSCRIPTION PORTAL
- 15.4 CUSTOMIZATION OPTIONS
 - 15.4.1 EV PLATFORM MARKET, BY PLATFORM
 - 15.4.1.1 P0
 - 15.4.1.2 P1
 - 15.4.1.3 P2
 - 15.4.1.4 P3
 - 15.4.1.5 P4
 - 15.4.2 EV PLATFORM MARKET, BY ELECTRIC VEHICLE TYPE
 - 15.4.2.1 HEV
 - 15.4.2.2 FCEV
 - 15.4.3 EV PLATFORM MARKET, BY DRIVE TYPE
 - 15.4.3.1 Two-wheel drive
 - 15.4.3.2 Four-wheel drive
 - 15.4.4 ELECTRIC COMMERCIAL VEHICLE PLATFORM MARKET, BY REGION
 - 15.4.4.1 North America
 - 15.4.4.2 Europe
 - 15.4.4.3 Asia Pacific
 - 15.4.4.4 RoW
- 15.5 RELATED REPORTS
- 15.6 AUTHOR DETAILS

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