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Global IoT for EV Charging Market 2023 by Company, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global IoT for EV Charging market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

With the popularity of new energy vehicles, the construction of charging infrastructure has received more and more attention. As an important part of the charging infrastructure of new energy vehicles, smart charging piles have become the main way of charging new energy vehicles. However, the safety of charging piles has also attracted much attention. In order to better ensure the safety and reliability of charging piles, many charging pile manufacturers have begun to develop intelligent charging pile monitoring solutions to improve the safety and reliability of charging piles.

The intelligent charging pile monitoring solution mainly includes charging pile monitoring software and charging pile hardware equipment. The charging pile monitoring software can perform real-time monitoring and data analysis on the charging pile, including information such as the power of the charging pile, charging speed, and charging capacity. Charging pile hardware equipment includes charging pile controller, charging gun, charging interface, etc. These devices can be connected to charging pile monitoring software through the network to realize real-time monitoring and data analysis.

The EV charging market is building a whole new infrastructure, which will be tightly integrated with electricity distribution networks. Building such an infrastructure does not happen overnight. With a compound annual growth in the range of 30% that infrastructure will become a significant player in its own rights before long. Looking towards 2024, we will see > 5Mio charging points in Europe and > 2 Mio in North

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America.

Use of installed charging points is accelerating, in some cases doubling every year. The faster this acceleration, the more the new infrastructure will depend on highly available and secure IoT connectivity. It is a truly mission-critical infrastructure, and for this reason, Charging Point Operators are requesting the best possible connectivity at each location.

Electric vehicle charging is an integral part of the total ecosystem. Charging Point Operators, Mobility Service Providers (Charging Service Providers), Electricity Distribution System Operators and Energy Service Providers stand to benefit from data generated by charging infrastructures. As are service providers of shared e-car or micromobility services, automotive OEMs, car parking operators, logistic hubs of all kinds, battery vendors moving towards a “Battery as a Service” business model, and others.

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The Global Info Research report includes an overview of the development of the IoT for EV Charging industry chain, the market status of Residential Charging (Charging

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Settlement, Data Analysis), Commercial Charging (Charging Settlement, Data Analysis), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of IoT for EV Charging.

Regionally, the report analyzes the IoT for EV Charging markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global IoT for EV Charging market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the IoT for EV Charging market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the IoT for EV Charging industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Charging Settlement, Data Analysis).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the IoT for EV Charging market.

Regional Analysis: The report involves examining the IoT for EV Charging market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the IoT for EV Charging market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

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The report also involves a more granular approach to IoT for EV Charging:

Company Analysis: Report covers individual IoT for EV Charging players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards IoT for EV Charging This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Residential Charging, Commercial Charging).

Technology Analysis: Report covers specific technologies relevant to IoT for EV Charging. It assesses the current state, advancements, and potential future developments in IoT for EV Charging areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the IoT for EV Charging market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

IoT for EV Charging market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Charging Settlement

Data Analysis

Remote Control

Others

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Market segment by Application

Residential Charging

Commercial Charging

Public Charging

Market segment by players, this report covers

ChargePoint

EVBox

ABB

Siemens

Schneider Electric

Webasto

Delta Electronics

Shell Recharge

BeiLai Technology

Tele2 IoT

Emnify

Zaptec

Hypercharge

GreenFlux

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Pod Point

Clenergy EV

SparkCharge

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe IoT for EV Charging product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of IoT for EV Charging, with revenue, gross margin and global market share of IoT for EV Charging from 2018 to 2023.

Chapter 3, the IoT for EV Charging competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2018 to 2029.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2018 to 2023.and IoT for EV Charging market forecast, by regions, type and application, with consumption value, from 2024 to 2029.

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Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War

Chapter 12, the key raw materials and key suppliers, and industry chain of IoT for EV Charging.

Chapter 13, to describe IoT for EV Charging research findings and conclusion.

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Table 135. Key Suppliers of IoT for EV Charging Raw Materials

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