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Global Wireless Energy Transmission (WET) Solutions Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Wireless Energy Transmission (WET) Solutions market size was valued at US$ 3117 million in 2024 and is forecast to a readjusted size of USD 9460 million by 2031 with a CAGR of 17.4% during review period.

Wireless Energy Transmission (WET) Solutions is the transmission of electrical energy without wires as a physical link. In a wireless power transmission system, a transmitter device, driven by electric power from a power source, generates a time-varying electromagnetic field, which transmits power across space to a receiver device, which extracts power from the field and supplies it to an electrical load. The technology of wireless power transmission can eliminate the use of the wires and batteries, thus increasing the mobility, convenience, and safety of an electronic device for all users. Wireless power transfer is useful to power electrical devices where interconnecting wires are inconvenient, hazardous, or are not possible.

According to the National Bureau of Statistics, in 2022, China's power generation was 8.8 trillion kWh, with a year-on-year increase of 3.7%. And the top three power generation methods were thermal power, hydropower and wind power. The per capita electricity consumption of residents was 947 kW. In 2022, China's installed power generation capacity were about 2.56 billion kilowatts, with a year-on-year increase of 7.8%. The utilization hours of power generation equipment in power plants of 6,000 kilowatts and above in the country were 3,687 hours, with a decrease of 125 hours over the same period of the previous year. The investment in power supply engineering construction of major power generation enterprises reached 720.8 billion yuan, with a year-on-year increase of 22.8%. The investment in power grid engineering construction

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reached 501.2 billion yuan, with a year-on-year increase of 2.0%. According to data released by the International Energy Agency, the global economy gradually recovered in 2022. With the influence of the rising energy prices, the global electricity demand in 2022 was 26,776 billion kWh, which increased 1.9% year-on-year. The generating capacity was 28,642 billion kWh, with the increase of 1.8% year-on-year. Among them, the United States generated 42.4 billion kWh of electricity in 2022, and Japan's total electricity consumption was 989.2 billion kWh, with the 7782 kWh per capita.

This report is a detailed and comprehensive analysis for global Wireless Energy Transmission (WET) Solutions market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Wireless Energy Transmission (WET) Solutions market size and forecasts, in consumption value ($ Million), 2020-2031

Global Wireless Energy Transmission (WET) Solutions market size and forecasts by region and country, in consumption value ($ Million), 2020-2031

Global Wireless Energy Transmission (WET) Solutions market size and forecasts, by Type and by Application, in consumption value ($ Million), 2020-2031

Global Wireless Energy Transmission (WET) Solutions market shares of main players, in revenue ($ Million), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Wireless Energy Transmission (WET) Solutions

To forecast future growth in each product and end-use market

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To assess competitive factors affecting the marketplace

This report profiles key players in the global Wireless Energy Transmission (WET) Solutions market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Samsung Electronics, Nucurrent, TDK Corporation, Texas Instruments, Powermat Technologies, Apple, Witricity, Murata Manufacturing, Plugless Power, Energous Corp, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Wireless Energy Transmission (WET) Solutions market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Near-Field Energy Transfer

Far-Field Energy Transfer

Market segment by Application

Consumer Electronics

Electric Car

Smart Appliances

Medical

Others

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Market segment by players, this report covers

Samsung Electronics

Nucurrent

TDK Corporation

Texas Instruments

Powermat Technologies

Apple

Witricity

Murata Manufacturing

Plugless Power

Energous Corp

ConvenientPower

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 and Rest of Asia-Pacific)

South America (Brazil, 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:

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Chapter 1, to describe Wireless Energy Transmission (WET) Solutions product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Wireless Energy Transmission (WET) Solutions, with revenue, gross margin, and global market share of Wireless Energy Transmission (WET) Solutions from 2020 to 2025.

Chapter 3, the Wireless Energy Transmission (WET) Solutions 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 by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

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 2020 to 2025.and Wireless Energy Transmission (WET) Solutions market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Wireless Energy Transmission (WET) Solutions.

Chapter 13, to describe Wireless Energy Transmission (WET) Solutions research findings and conclusion.

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