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Saudi Arabia Utility Poles Market By Type (Transmission Poles & Distribution Poles), By Pole Size (Below 40ft, 40-70ft, Above 70ft), By Material (Steel, Concrete, Composite and Wood), By Application (Electricity Transmission & Distribution, Telecommunication, Street Lighting, Others), By Region, Competition, Forecast and Opportunities, 2020-2030F

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Abstracts

The Saudi Arabia Utility Poles Market was valued at USD 1.16 Billion in 2024 and is expected to reach USD 1.58 Billion by 2030 with a CAGR of 5.12% during the forecast period.

The Saudi Arabia utility poles market is witnessing steady growth, driven by increasing investments in power infrastructure, urbanization, and the expansion of electricity distribution networks. As the country continues to modernize its power transmission and distribution systems, the demand for durable and efficient utility poles has surged. Utility poles are critical components of the nation’s electrical grid, telecommunication networks, and street lighting infrastructure, supporting the reliable supply of electricity and communication services across urban and rural areas.

Key Market Drivers

Expansion of Power Transmission and Distribution Networks

Saudi Arabia is investing heavily in power transmission and distribution (T&D)

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infrastructure to support its growing population and economic expansion. With the country’s electricity demand increasing due to rapid urbanization, the government and private sector are continuously upgrading the power grid. The Saudi Electricity Company (SEC) is implementing large-scale projects to improve electricity access across cities and rural areas, driving the demand for utility poles. Additionally, the shift towards smart grids and grid modernization requires new installations and replacements of aging poles with stronger, more durable materials like steel and composite poles. As electricity consumption continues to rise, the demand for reliable utility poles for overhead power lines will remain strong, making this a key driver of market growth. By 2025, it is projected that 100% of Saudi Arabia's population will have access to electricity, underscoring the country's commitment to comprehensive infrastructure development.

Key Market Challenges

Fluctuating Raw Material Prices

The Saudi Arabia utility poles market is highly dependent on the availability and cost of raw materials such as steel, concrete, and composite materials. Fluctuations in global commodity prices significantly impact the production costs of utility poles, making pricing strategies challenging for manufacturers and suppliers. Steel and concrete poles, which dominate the market, require stable material pricing to ensure affordability for large-scale infrastructure projects. However, volatility in steel prices due to factors such as global supply chain disruptions, fluctuating demand, and geopolitical issues affects the overall cost structure.

Additionally, the cost of cement and aggregates, which are essential for manufacturing reinforced concrete poles, is influenced by fuel prices, transportation costs, and regulatory changes in the construction sector. As Saudi Arabia pushes forward with its Vision 2030 infrastructure projects, the demand for raw materials continues to rise, exerting pressure on procurement costs.

The limited availability of alternative materials in the domestic market further amplifies these challenges. While composite utility poles offer advantages like lightweight properties and corrosion resistance, they remain expensive compared to traditional steel and concrete poles. This restricts their widespread adoption, especially in cost-sensitive public sector projects.

To mitigate the impact of fluctuating raw material prices, local production capabilities

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must be strengthened through investments in advanced manufacturing processes and alternative material sourcing. Additionally, government incentives for sustainable material innovation could help stabilize prices and reduce dependency on global suppliers. Until then, unpredictable raw material costs will remain a significant challenge in the Saudi Arabia utility poles market.

Key Market Trends

Increasing Demand for Smart Utility Poles

Saudi Arabia is witnessing a growing demand for smart utility poles, driven by the digital transformation of power and telecommunication infrastructure. Traditional poles are being upgraded with IoT-enabled sensors, communication modules, and real-time monitoring systems to improve grid reliability and operational efficiency.

With the expansion of smart cities like NEOM, Riyadh's Vision 2030 initiatives, and large-scale infrastructure projects, smart utility poles are being deployed to support intelligent lighting, energy distribution, and data transmission. These poles come equipped with remote monitoring systems that enable power companies to track energy consumption, detect faults, and optimize maintenance schedules.

The integration of 5G networks in Saudi Arabia is further accelerating the adoption of smart poles. These poles serve as network relay points, enhancing telecommunication coverage, high-speed data transmission, and connectivity for smart city applications. As Saudi Arabia progresses toward full-scale 5G deployment, smart utility poles will play a crucial role in supporting the nation's digital infrastructure.

Additionally, renewable energy integration is driving the installation of smart utility poles with solar panels and energy storage systems. These self-sufficient poles help reduce energy consumption, contributing to the country's sustainability goals. Several municipalities are adopting solar-powered street lighting poles with automated brightness adjustment features, reducing operational costs.

With the government investing heavily in technological advancements for infrastructure, the demand for smart utility poles is expected to grow rapidly. Power companies and urban planners are collaborating with technology providers to develop customized smart pole solutions that align with Saudi Arabia's energy efficiency and connectivity goals.

Key Market Players

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Mansour Al Mosaid Group

Al-Babtain Power & Telecom

Omega Company

Hidada Company Ltd.

Siemens Saudi Arabia

ABB Electrical Industries Co.Ltd

Schneider Electric Saudi Arabia

National Company for Galvanizing and Steel Poles (Galvanco)

Report Scope:

In this report, the Saudi Arabia Utility Poles Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Saudi Arabia Utility Poles Market, By Type:

Transmission Poles

Distribution Poles

Saudi Arabia Utility Poles Market, By Pole Size:

Below 40ft

40-70ft

Above 70ft

Saudi Arabia Utility Poles Market, By Material:

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Steel

Concrete

Composite

Wood

Saudi Arabia Utility Poles Market, By Application:

Electricity Transmission & Distribution

Telecommunication

Street Lighting

Others

Saudi Arabia Utility Poles Market, By Region:

Riyadh

Makkah

Madinah

Asir

Jeddah

Tabuk

Eastern Province

Rest of Saudi Arabia

Competitive Landscape

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Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia Utility Poles Market.

Available Customizations:

Saudi Arabia Utility Poles Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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