

# Smart highway construction market is projected to reach \$1,04,777.0 million by 2030 & CAGR of 17.3% from 2021 to 2030

*Smart Highway Construction Market Size, Share, Competitive Landscape and Trend Analysis*

WILMINGTON, DE, UNITED STATES, September 9, 2024 /EINPresswire.com/ -- Analyzing Competitive Landscape, Trends, and Dynamics of the [Global Smart Highway Construction Market](#)

The report on the global smart highway construction market by Allied Market Research provides an in-depth analysis of the industry's current landscape, including prevailing trends, key drivers, and the overall market environment. It also highlights significant investment opportunities, outlines the primary segments, examines the regional landscape, and offers a detailed value chain analysis, alongside an overview of the competitive scenario. According to the report, the industry is expected to garner \$1,04,777.0 million with a notable CAGR of 17.3% by 2030. The market generated \$20,172.0 million in 2020.

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The report includes a detailed analysis of the various factors boosting the market's growth. It covers the drivers, restraints, opportunities, and trends that impact the industry. The increasing government investments in smart motorways to enable drivers with real-time information on road conditions and other traffic information has resulted in significant expansion of the market. Moreover, the rise of various smart city projects across several nations is the main reason behind the growing demand for smart highways across the globe. However, the COVID-19 pandemic halted the development of such advanced highway construction due to the shortage of staff and supply-chain disruption. Also, high initial and maintenance costs restrain the landscape growth to some extent. Nonetheless, the continuous advancements in modern technologies to address the future demands for highway construction are expected to create wide opportunities for the landscape.

Emerging trends shaping the future of the market

The smart highway construction industry focuses on integrating advanced technologies to

enhance road safety, traffic management, and overall infrastructure efficiency. Here are some key trends:

**Automated and Connected Vehicles:** The integration of smart highways with automated and connected vehicles is becoming more prevalent nowadays. These highways support vehicle-to-infrastructure communication, enabling safer and more efficient driving by sharing real-time data on traffic, speed limits, and potential hazards.

**Adaptive Traffic Management Systems:** Many developed countries have started implementing AI-powered systems to manage traffic flow dynamically. These systems analyze real-time data to optimize traffic signals, reduce congestion, and improve fuel efficiency.

**IoT-Enabled Infrastructure:** Highways are being equipped with IoT sensors and devices to monitor traffic conditions, weather, and road maintenance needs in real-time. This further improves responsiveness and resource allocation for maintaining undistruptive highway conditions.

**Renewable Energy Integration:** Solar panels and wind turbines are being integrated into highway infrastructure to generate renewable energy, which can power road lighting, signage, and even electric vehicle charging stations.

**Sustainable Construction Practices:** The use of sustainable materials, recycled asphalt, and eco-friendly construction methods is gaining popularity these days. These approaches align with global environmental goals and reduce the carbon footprint of highway construction projects.

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## Competitive analysis

The market players are comprehensively evaluated to identify their competitive strengths. The research offers detailed insights into their profiles, operational business segments, product portfolios, business performance, and recent developments. The report highlights the leading entities, including:

ABB LIMITED

HUAWEI TECHNOLOGIES CO., LTD.

SCHNEIDER ELECTRIC

NIPPON KOEI CO., LTD.

SCHNEIDER ELECTRIC

CISCO

ALCATEL-LUCENT ENTERPRISE

COLAS LTD.

CONTINENTAL ENGINEERING CORPO.

HEIJMANS

VINCI CONSTRUCTION

### Key Benefits For Stakeholders

The report provides an extensive analysis of the current and emerging smart highway construction market trends and dynamics.

In-depth emerging smart highway construction market analysis is conducted by constructing market estimations for key market segments between 2021 and 2030.

Extensive analysis of the emerging smart highway construction market is conducted by following key product positioning and monitoring of top competitors within the market framework.

A comprehensive analysis of all the regions is provided to determine the prevailing opportunities.

The global emerging smart highway construction market forecast analysis from 2021 to 2030 is included in the report.

The key players within emerging smart highway construction market are profiled in this report and their strategies are analyzed thoroughly, which help understand the competitive outlook of the emerging smart highway construction industry.

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