

# Global Smart Roads Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Smart Roads market size is expected to reach \$ 23810 million by 2032, rising at a market growth of 7.2% CAGR during the forecast period (2026-2032).

Smart roads refer to an innovative concept in transportation infrastructure that leverages advanced technologies to enhance safety, efficiency, and sustainability on roadways. These intelligent road systems integrate various cutting-edge features to create a more responsive and adaptable environment for drivers and vehicles. One key element of a smart road is the incorporation of smart sensors and cameras, along with the road network to collect real-time data on traffic flow, weather conditions, and road hazards. This data is then analyzed and processed by intelligent systems, enabling automated traffic management and predictive maintenance. Smart roads often include dynamic lane markings and signage that can adjust according to changing traffic conditions, providing real-time guidance to drivers and optimizing lane usage. Additionally, advanced communication systems enable vehicle-to-infrastructure (V2I) and vehicle-to-vehicle (V2V) connectivity, fostering cooperative driving and collision avoidance. Beyond the immediate benefits to drivers and commuters, smart roads also contribute to sustainability efforts by optimizing energy consumption through smart lighting and utilizing renewable energy sources. By incorporating smart charging infrastructure for electric vehicles, these roads promote eco-friendly transportation alternatives. Global key players of Smart Roads include Mundys (Yunex Traffic), Swarco Holding, Huawei, Sumitomo Electric, Cisco, etc. The top five players hold a share over 32%. China is the largest market, and has a share about 34%, followed by Europe and Americas with share 31% and 18%, separately. In terms of product type, Hardware is the largest segment, occupied for a share of 63%. In terms of application, Urban Traffic has a share about 52 percent.

This report studies the global Smart Roads demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Smart Roads, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Smart Roads that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Smart Roads total market, 2021-2032, (USD Million)

Global Smart Roads total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Smart Roads total market, key domestic companies, and share, (USD Million)

Global Smart Roads revenue by player, revenue and market share 2021-2026, (USD Million)

Global Smart Roads total market by Type, CAGR, 2021-2032, (USD Million)

Global Smart Roads total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Smart Roads 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 Mundys (Yunex Traffic), Swarco Holding, Huawei, Sumitomo Electric, Cisco, Kapsch, Nippon Signal, Hisense Transtech, Intel, Almaviva, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Smart Roads market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Smart Roads Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Smart Roads Market, Segmentation by Type:

Software

Hardware

#### Global Smart Roads Market, Segmentation by Application:

Urban Traffic

Highway

Bridges and Tunnels

Others

#### Companies Profiled:

Mundys (Yunex Traffic)

Swarco Holding

Huawei

Sumitomo Electric

Cisco

Kapsch

Nippon Signal

Hisense Transtech

Intel

Almaviva

Q-FREE

IBM

Lianyungang JARI Electronics

MOVYON

Indra Sistemas

LG CNS

Vaisala

Econolite

Alcatel Lucent

Valerann

### Key Questions Answered

1. How big is the global Smart Roads market?
2. What is the demand of the global Smart Roads market?
3. What is the year over year growth of the global Smart Roads market?
4. What is the total value of the global Smart Roads market?
5. Who are the Major Players in the global Smart Roads market?
6. What are the growth factors driving the market demand?

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