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Global Intelligent Transportation Operations Service Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Intelligent Transportation Operations Service market size is predicted to grow from US$ 3611 million in 2025 to US$ 4703 million in 2032; it is expected to grow at a CAGR of 3.8% from 2026 to 2032.

Intelligent transportation operations services refer to professional services that use traffic-sensing equipment, communication networks, cloud platforms, big-data analytics, artificial intelligence, and traffic-control systems to monitor, coordinate, and manage roads, public transportation, parking, tolling, traveler information, and traffic incidents. Typical services include traffic-flow monitoring, signal optimization, public-transit dispatching, smart parking management, electronic toll collection, incident response, traveler-information delivery, and transportation-infrastructure maintenance. These services are mainly provided to government transportation authorities, public-transit operators, highway companies, industrial parks, and major transportation hubs, with the objective of improving traffic efficiency, transport safety, and mobility services.

Intelligent transportation operations services will increasingly evolve from individual-system management toward integrated citywide and regional mobility operations. Data from roads, buses, rail transit, parking, taxis, shared mobility, and highways will be consolidated into unified platforms, while AI will be used for demand forecasting, congestion detection, adaptive signal control, and incident coordination. Digital twins, vehicle-to-infrastructure connectivity, and high-precision traffic sensing will also gain wider adoption, enabling authorities to simulate traffic conditions and prepare diversion and emergency-response plans in advance.

The growth of electric vehicles, autonomous driving, and low-carbon transportation will further expand the scope of intelligent transportation operations services. Future

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platforms will increasingly integrate charging-infrastructure management, connected-vehicle data, autonomous-driving road support, electric-bus scheduling, and transportation-emissions analysis. Service-based payment models, platform operations, and long-term outsourced maintenance will become more common, shifting competition from hardware supply toward continuous operations, data analytics, system integration, and cybersecurity capabilities.

This report presents a comprehensive overview, market shares, and growth opportunities of Intelligent Transportation Operations Service market by product type, application, key players and key regions and countries.

Segmentation by Type:

Platform Operations Services

System Operation and Maintenance Services

Data Analytics and Optimization Services

Segmentation by Technology:

Intelligent Traffic Signal Control

Vehicle-to-Infrastructure Operations

Digital Twin Traffic Management

AI-Based Traffic Dispatching

Segmentation by Application:

Urban Road Traffic Management

Public Transportation Operations

Highway Operations Management

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Others

This report also splits the market by region:

United States

China

Europe

Other regions

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Yunex Traffic

Kapsch TrafficCom

SWARCO

Siemens Mobility

PTV Group

WSP

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AECOM

Parsons

Cubic Transportation Systems

Iteris

Qingdao Hisense TransTech Co., Ltd.

Shenzhen Urban Transport Planning Center Co., Ltd.

Huawei Technologies Co., Ltd.

Hitachi

NEC

LG CNS

POSCO DX

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