

Smart Traffic Control Systems Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2023

URBAN CHALLENGES DEMAND SMART TRAFFIC CONTROL SYSTEMS

This ARC Advisory Group research report provides a concise analysis of the market for smart traffic control systems. It includes quantitative information on market size and growth across various regions and product categories. It also includes qualitative discussions of market drivers/inhibitors as well as key strategic issues suppliers should be aware of.

Smart traffic control systems start with the sensors that detect vehicle presence. There are two classes of sensors used: ones installed in-ground and ones mounted on a pole or building. These also vary by sensor technology used, which can be magnetic, infrared, microwave, radar, inductive, and ultrasonic.

In addition to the sensors, these systems require networking hardware to transfer the traffic data, as well as consulting

installation, and software and analytics solutions to create value from the new data stream and control traffic signals in a better optimized manner.

As with other smart city technologies, adoption of smart traffic control systems is being driven by availability of lower cost and more reliable sensors, networking, data storage, computing, and analytics. Governments, citizens, visitors, and businesses alike are growing frustrated with city congestion and are aware of the risks posed by climate change and air pollution. As poorly timed traffic signals are a significant contributor to these challenges and manual retiming is expensive, cities are turning to smart traffic control solutions to address them.

For more information, please visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

Demand for smart traffic control solutions has been growing with the challenges of modern urbanization. The market is still in nascent form, but its future looks promising. Various forces push and pull this exciting space, from advancements in technology and cost improvements, to cities competing with one another to attract talent, jobs, and an expanded tax base.

Beyond market size estimates, this ARC Advisory Group report addresses strategic questions such as:

- Where is the market heading, and how can suppliers of smart traffic control systems best position themselves?
- What factors are driving and inhibiting growth?
- How will growth vary between the different regions of the world?

RESEARCH FORMATS

This research is available as a concise, executive-level Market Analysis Report (PDF).

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS

Major Trends
Regional Trends
Product Trends
Strategies for End Users
Strategies for Product Suppliers
Factors Contributing to Growth
Factors Inhibiting Growth

MARKET FORECAST ANALYSIS

Total Shipments of Smart Traffic Control Systems
Shipments by Region
North America
Europe, Middle East, Africa
Latin America
Asia
Shipments by Revenue Category
Hardware
Software
Services

Shipments by Sensor Type
Ground Units
Video Unites
Non-Video Mounted Units
Shipments by Urban Density
High
Low

INDUSTRY PARTICIPANTS

Overview of the competitive landscape for the smart traffic control systems market. Key suppliers are identified with a brief description of each.

Worldwide Smart Traffic Control Systems Market

