

# **Global Tunnel Automation Market Size study & Forecast, by Offering (Hardware, Software, Services), By Tunnel Type (Railways, Highway and Roadway Tunnels), By Component (HVAC, Lighting & Power Supply, Signalization, Others) and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Tunnel Automation Market is valued at approximately USD 3.67 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 8.12% over the forecast period 2022-2029. Tunnels are underground passageways used for the transportation of freight, passengers, water, sewage and other materials. Components of tunnel automation include equipment that aids in the effective monitoring of intersecting traffic as well as the proper operation of lighting systems, ventilation systems, and signal modules. The Tunnel Automation market is expanding because of factors such as the increasing number of accidents and the increasing use of IoT technology. However, the increasing number of accidents caused by a focus on people's safety is due to the increase in the demand for tunnel automation market across the world. Another factor is the increased demand for IoT technology devices that focus on people's security and are fully automated they boost the market growth.

According to Statista, the number of road accidents in India in the year 2017 is USD 464.91 thousand and the number of road accidents in India in the year 2018 is USD 467.04 thousand. And the number of rail accidents in France in the year 2016 is USD 145 and the number of rail accidents in France in the year 2017 is USD 151. Another factor driving this is increasing use of IoT technology. For instance, according to Statista, the number of IoT connected devices in the year 2021 is USD 11.3 billion and the number of IOT-connected devices in the year is USD 13.1 billion. The opportunity of

the tunnel automation market is growing connectivity and establishing IT services due to increasing the market demand over the forecast period. It increases connectivity and increases security is expected the market demand over the forecast. However, the lack of technically skilled laborers stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Tunnel Automation Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the dominance of the strong presence of IT services companies, which are constantly innovating, monitoring and controlling software due to the increase in market demand over the world. Europe is expected to grow with the highest CAGR during the forecast period, owing to factors such as increasing the demand for IoT technology, and increasing road accidents would create lucrative growth prospects for the Tunnel Automation market across the Europe region.

Major market player included in this report are:

Johnson Controls Inc.

Siemens AG

SICK AG

Koninklijke Philips N.V.

Honeywell International Inc.

Eaton Corporation plc

PSI Incontrol Sdn Bhd

Agidens International NV

Indra Sistemas SA

OSRAM GmbH

Recent Developments in the Market:

In April 2018, Johnson Controls opens a 357000 square feet R&D complex in Central Pennsylvania, US. This expansion will allow it to innovate in the field of HVAC products.

In January 2018, Sick AG introduces a hot spot detector system capable of detecting and preventing fires in highway tunnels.

Global Tunnel Automation Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Offering, Tunnel Type, Component, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Offering:

Hardware

Software

Services

By Tunnel Type:

Railways

Highways and Roadway Tunnels

By Component:

HVAC

Lighting & Power Supply

Signalization

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy  
ROE  
Asia Pacific  
China  
India  
Japan  
Australia  
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Rest of the World

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