

# 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 CAGRduring 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

South Korea

**RoAPAC** 

Latin America

Brazil

Mexico

Rest of the World



## **Contents**

#### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
- 1.2.1. Tunnel Automation Market, by Region, 2019-2029 (USD Billion)
- 1.2.2. Tunnel Automation Market, by Offering, 2019-2029 (USD Billion)
- 1.2.3. Tunnel Automation Market, by Tunnel Type, 2019-2029 (USD Billion)
- 1.2.4. Tunnel Automation Market, by Component, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

#### CHAPTER 2. GLOBAL TUNNEL AUTOMATION MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

#### CHAPTER 3. GLOBAL TUNNEL AUTOMATION MARKET DYNAMICS

- 3.1. Tunnel Automation Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing number of accidents
  - 3.1.1.2. Increasing use of IoT Technology
  - 3.1.2. Market Challenges
    - 3.1.2.1. Lack of Technically Skilled Labourers
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Growing Connectivity and Establish IT Services

# **CHAPTER 4. GLOBAL TUNNEL AUTOMATION MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers



- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
- 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

#### CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

#### CHAPTER 6. GLOBAL TUNNEL AUTOMATION MARKET, BY OFFERING

- 6.1. Market Snapshot
- 6.2. Global Tunnel Automation Market by Offering, Performance Potential Analysis
- 6.3. Global Tunnel Automation Market Estimates & Forecasts by Offering 2019-2029 (USD Billion)
- 6.4. Tunnel Automation Market, Sub Segment Analysis
  - 6.4.1. Hardware
  - 6.4.2. Software
  - 6.4.3. Services

#### CHAPTER 7. GLOBAL TUNNEL AUTOMATION MARKET, BY TUNNEL TYPE

- 7.1. Market Snapshot
- 7.2. Global Tunnel Automation Market by Tunnel Type, Performance Potential Analysis
- 7.3. Global Tunnel Automation Market Estimates & Forecasts by Tunnel Type 2019-2029 (USD Billion)
- 7.4. Tunnel Automation Market, Sub Segment Analysis
  - 7.4.1. Railways



# 7.4.2. Highways and Roadway Tunnels

#### CHAPTER 8. GLOBAL TUNNEL AUTOMATION MARKET, BY COMPONENT

- 8.1. Market Snapshot
- 8.2. Global Tunnel Automation Market by Component, Performance Potential Analysis
- 8.3. Global Tunnel Automation Market Estimates & Forecasts by Component 2019-2029 (USD Billion)
- 8.4. Tunnel Automation Market, Sub Segment Analysis
  - 8.4.1. HVAC
  - 8.4.2. Lighting & Power Supply
  - 8.4.3. Signalization
  - 8.4.4. Others

#### CHAPTER 9. GLOBAL TUNNEL AUTOMATION MARKET, REGIONAL ANALYSIS

- 9.1. Tunnel Automation Market, Regional Market Snapshot
- 9.2. North America Tunnel Automation Market
  - 9.2.1. U.S. Tunnel Automation Market
    - 9.2.1.1. Offering breakdown estimates & forecasts, 2019-2029
    - 9.2.1.2. Tunnel Type breakdown estimates & forecasts, 2019-2029
    - 9.2.1.3. Component breakdown estimates & forecasts, 2019-2029
  - 9.2.2. Canada Tunnel Automation Market
- 9.3. Europe Tunnel Automation Market Snapshot
  - 9.3.1. U.K. Tunnel Automation Market
  - 9.3.2. Germany Tunnel Automation Market
  - 9.3.3. France Tunnel Automation Market
  - 9.3.4. Spain Tunnel Automation Market
  - 9.3.5. Italy Tunnel Automation Market
  - 9.3.6. Rest of Europe Tunnel Automation Market
- 9.4. Asia-Pacific Tunnel Automation Market Snapshot
  - 9.4.1. China Tunnel Automation Market
  - 9.4.2. India Tunnel Automation Market
  - 9.4.3. Japan Tunnel Automation Market
  - 9.4.4. Australia Tunnel Automation Market
  - 9.4.5. South Korea Tunnel Automation Market
  - 9.4.6. Rest of Asia Pacific Tunnel Automation Market
- 9.5. Latin America Tunnel Automation Market Snapshot
  - 9.5.1. Brazil Tunnel Automation Market



#### 9.5.2. Mexico Tunnel Automation Market

#### 9.6. Rest of The World Tunnel Automation Market

#### **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Johnson Controls Inc.
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject to Data Availability)
    - 10.2.1.4. Product Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. Siemens AG
  - 10.2.3. SICK AG
  - 10.2.4. Koninklijke Philips N.V.
  - 10.2.5. Honeywell International Inc.
  - 10.2.6. Eaton Corporation plc
  - 10.2.7. PSI Incontrol Sdn Bhd
  - 10.2.8. Agidens International NV
  - 10.2.9. Indra Sistemas SA
  - 10.2.10. OSRAM GmbH

#### **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption



## **List Of Tables**

#### LIST OF TABLES

- TABLE 1. Global Tunnel Automation Market, report scope
- TABLE 2. Global Tunnel Automation Market estimates & forecasts by Region 2019-2029 (USD Billion)
- TABLE 3. Global Tunnel Automation Market estimates & forecasts by Offering 2019-2029 (USD Billion)
- TABLE 4. Global Tunnel Automation Market estimates & forecasts by Tunnel Type 2019-2029 (USD Billion)
- TABLE 5. Global Tunnel Automation Market estimates & forecasts by Component 2019-2029 (USD Billion)
- TABLE 6. Global Tunnel Automation Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 7. Global Tunnel Automation Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 8. Global Tunnel Automation Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 9. Global Tunnel Automation Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 10. Global Tunnel Automation Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 11. Global Tunnel Automation Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 12. Global Tunnel Automation Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 13. Global Tunnel Automation Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 14. Global Tunnel Automation Market by segment, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 15. Global Tunnel Automation Market by region, estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 16. U.S. Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 17. U.S. Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 18. U.S. Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)



- TABLE 19. Canada Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 20. Canada Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 21. Canada Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 22. UK Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 23. UK Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 24. UK Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 25. Germany Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 26. Germany Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 27. Germany Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 28. France Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 29. France Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 30. France Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 31. Italy Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 32. Italy Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 33. Italy Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 34. Spain Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 35. Spain Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 36. Spain Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 37. RoE Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 38. RoE Tunnel Automation Market estimates & forecasts by segment



- 2019-2029 (USD Billion)
- TABLE 39. RoE Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 40. China Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 41. China Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 42. China Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 43. India Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 44. India Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 45. India Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 46. Japan Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 47. Japan Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 48. Japan Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 49. South Korea Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 50. South Korea Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 51. South Korea Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 52. Australia Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 53. Australia Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 54. Australia Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 55. RoAPAC Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 56. RoAPAC Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 57. RoAPAC Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)



- TABLE 58. Brazil Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 59. Brazil Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 60. Brazil Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 61. Mexico Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 62. Mexico Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 63. Mexico Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 64. RoLA Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 65. RoLA Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 66. RoLA Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 67. Row Tunnel Automation Market estimates & forecasts, 2019-2029 (USD Billion)
- TABLE 68. Row Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 69. Row Tunnel Automation Market estimates & forecasts by segment 2019-2029 (USD Billion)
- TABLE 70. List of secondary sources, used in the study of global Tunnel Automation Market
- TABLE 71. List of primary sources, used in the study of global Tunnel Automation Market
- TABLE 72. Years considered for the study
- TABLE 73. Exchange rates considered
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable



# **List Of Figures**

#### LIST OF FIGURES

- FIG 1. Global Tunnel Automation Market, research methodology
- FIG 2. Global Tunnel Automation Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Tunnel Automation Market, key trends 2021
- FIG 5. Global Tunnel Automation Market, growth prospects 2022-2029
- FIG 6. Global Tunnel Automation Market, porters 5 force model
- FIG 7. Global Tunnel Automation Market, pest analysis
- FIG 8. Global Tunnel Automation Market, value chain analysis
- FIG 9. Global Tunnel Automation Market by segment, 2019 & 2029 (USD Billion)
- FIG 10. Global Tunnel Automation Market by segment, 2019 & 2029 (USD Billion)
- FIG 11. Global Tunnel Automation Market by segment, 2019 & 2029 (USD Billion)
- FIG 12. Global Tunnel Automation Market by segment, 2019 & 2029 (USD Billion)
- FIG 13. Global Tunnel Automation Market by segment, 2019 & 2029 (USD Billion)
- FIG 14. Global Tunnel Automation Market, regional snapshot 2019 & 2029
- FIG 15. North America Tunnel Automation Market 2019 & 2029 (USD Billion)
- FIG 16. Europe Tunnel Automation Market 2019 & 2029 (USD Billion)
- FIG 17. Asia pacific Tunnel Automation Market 2019 & 2029 (USD Billion)
- FIG 18. Latin America Tunnel Automation Market 2019 & 2029 (USD Billion)
- FIG 19. Global Tunnel Automation Market, company Market share analysis (2021)

List of tables and figures and dummy in nature, final lists may vary in the final deliverable



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