

Global Tunnel Monitoring Solutions Market 2026 by Company, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G795A67D8792EN.html>

Date: January 2026

Pages: 132

Price: US\$ 3,480.00 (Single User License)

ID: G795A67D8792EN

Abstracts

According to our (Global Info Research) latest study, the global Tunnel Monitoring Solutions market size was valued at US\$ 298 million in 2025 and is forecast to a readjusted size of US\$ 431 million by 2032 with a CAGR of 5.5% during review period.

Tunnel Monitoring Solutions are comprehensive technology system that integrates sensing technology, data communication, and intelligent analysis. Through a high-precision sensor network deployed inside and outside the tunnel, it collects multi-dimensional data in real time, including structural deformation, convergence displacement, lining stress, crack development, water leakage pressure, and environmental loads. Using IoT transmission technology, the data is aggregated to a cloud platform, where it is then processed and trend analyzed based on big data analytics and structural models. When abnormal changes or risks exceeding limits are detected, tiered early warnings are automatically triggered. The core value of this solution lies in shifting from passive inspection to proactive prevention, providing structural health assessment, risk warning, and decision support throughout the tunnel's entire lifecycle. It is widely used in the safety operation and maintenance management of railway, highway, subway, and water conservancy tunnels.

The global tunnel monitoring solutions market exhibit significant regional characteristics. The European market boasts the highest technological maturity, focusing on predictive maintenance for long-term structural health, with Swiss and German companies dominating the high-end market with their high-precision fiber optic sensing and digital integration solutions. North America follows closely, emphasizing real-time data analysis and automated early warning based on cloud platforms. The Asia-Pacific region has become the global growth engine, with China leveraging BeiDou navigation, IoT

technology, and large-scale infrastructure projects to rapidly popularize universal monitoring systems, while Japan and South Korea maintain their advantages in micro-sensors and AI-powered diagnostics. The South American, Middle Eastern, and Southeast Asian markets are primarily driven by international projects, focusing on basic safety monitoring system applications. Current technological development is evolving from single-point monitoring to integrated space-air-ground sensing networks, with intelligent diagnostic platforms and digital twin technology becoming the focus of global competition. However, the depth of technology application in each region remains closely related to the scale of infrastructure investment, geological risk levels, and the stringency of safety standards.

This report is a detailed and comprehensive analysis for global Tunnel Monitoring Solutions market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Tunnel Monitoring Solutions market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Tunnel Monitoring Solutions market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Tunnel Monitoring Solutions market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Tunnel Monitoring Solutions market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Tunnel Monitoring Solutions
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Tunnel Monitoring Solutions 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 Encardio Rite, Senceive, Loram, Ricoh, HBM, Geocomp, NEXT Industries, Smartec, Sisgeo, Sixense Soldata, etc.

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

Market segmentation

Tunnel Monitoring Solutions market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Structural Health Monitoring Solutions

- Environmental Monitoring Solutions

- Operational Safety Monitoring Solutions

Market segment by Technical Architecture

- Wired Integrated Solutions

- Wireless Sensor Network Solutions

- Fiber Optic Sensing Solutions

Market segment by Deployment Mode

- Fixed Monitoring Solutions

Portable Monitoring Solutions

Cloud Platform Service Solutions

Market segment by Application

Transportation Infrastructure

Water Conservancy

Municipal Services

Mining

Others

Market segment by players, this report covers

Encardio Rite

Senceive

Loram

Ricoh

HBM

Geocomp

NEXT Industries

Smartec

Sisgeo

Sixense Soldata

Resensys

Leica Geosystems

GeoDin

DURAG GROUP

Movyon

SINELEC

Acoem

Roctest

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Tunnel Monitoring Solutions product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Tunnel Monitoring Solutions, with revenue, gross margin, and global market share of Tunnel Monitoring Solutions from 2021 to 2026.

Chapter 3, the Tunnel Monitoring Solutions competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with

consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Tunnel Monitoring Solutions market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Tunnel Monitoring Solutions.

Chapter 13, to describe Tunnel Monitoring Solutions research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Tunnel Monitoring Solutions by Type

1.3.1 Overview: Global Tunnel Monitoring Solutions Market Size by Type: 2021 Versus 2025 Versus 2032

1.3.2 Global Tunnel Monitoring Solutions Consumption Value Market Share by Type in 2025

1.3.3 Structural Health Monitoring Solutions

1.3.4 Environmental Monitoring Solutions

1.3.5 Operational Safety Monitoring Solutions

1.4 Classification of Tunnel Monitoring Solutions by Technical Architecture

1.4.1 Overview: Global Tunnel Monitoring Solutions Market Size by Technical Architecture: 2021 Versus 2025 Versus 2032

1.4.2 Global Tunnel Monitoring Solutions Consumption Value Market Share by Technical Architecture in 2025

1.4.3 Wired Integrated Solutions

1.4.4 Wireless Sensor Network Solutions

1.4.5 Fiber Optic Sensing Solutions

1.5 Classification of Tunnel Monitoring Solutions by Deployment Mode

1.5.1 Overview: Global Tunnel Monitoring Solutions Market Size by Deployment Mode: 2021 Versus 2025 Versus 2032

1.5.2 Global Tunnel Monitoring Solutions Consumption Value Market Share by Deployment Mode in 2025

1.5.3 Fixed Monitoring Solutions

1.5.4 Portable Monitoring Solutions

1.5.5 Cloud Platform Service Solutions

1.6 Global Tunnel Monitoring Solutions Market by Application

1.6.1 Overview: Global Tunnel Monitoring Solutions Market Size by Application: 2021 Versus 2025 Versus 2032

1.6.2 Transportation Infrastructure

1.6.3 Water Conservancy

1.6.4 Municipal Services

1.6.5 Mining

1.6.6 Others

1.7 Global Tunnel Monitoring Solutions Market Size & Forecast

1.8 Global Tunnel Monitoring Solutions Market Size and Forecast by Region

1.8.1 Global Tunnel Monitoring Solutions Market Size by Region: 2021 VS 2025 VS 2032

1.8.2 Global Tunnel Monitoring Solutions Market Size by Region, (2021-2032)

1.8.3 North America Tunnel Monitoring Solutions Market Size and Prospect (2021-2032)

1.8.4 Europe Tunnel Monitoring Solutions Market Size and Prospect (2021-2032)

1.8.5 Asia-Pacific Tunnel Monitoring Solutions Market Size and Prospect (2021-2032)

1.8.6 South America Tunnel Monitoring Solutions Market Size and Prospect (2021-2032)

1.8.7 Middle East & Africa Tunnel Monitoring Solutions Market Size and Prospect (2021-2032)

2 COMPANY PROFILES

2.1 Encardio Rite

2.1.1 Encardio Rite Details

2.1.2 Encardio Rite Major Business

2.1.3 Encardio Rite Tunnel Monitoring Solutions Product and Solutions

2.1.4 Encardio Rite Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Encardio Rite Recent Developments and Future Plans

2.2 Senceive

2.2.1 Senceive Details

2.2.2 Senceive Major Business

2.2.3 Senceive Tunnel Monitoring Solutions Product and Solutions

2.2.4 Senceive Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Senceive Recent Developments and Future Plans

2.3 Loram

2.3.1 Loram Details

2.3.2 Loram Major Business

2.3.3 Loram Tunnel Monitoring Solutions Product and Solutions

2.3.4 Loram Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Loram Recent Developments and Future Plans

2.4 Ricoh

2.4.1 Ricoh Details

2.4.2 Ricoh Major Business

- 2.4.3 Ricoh Tunnel Monitoring Solutions Product and Solutions
- 2.4.4 Ricoh Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)
- 2.4.5 Ricoh Recent Developments and Future Plans
- 2.5 HBM
 - 2.5.1 HBM Details
 - 2.5.2 HBM Major Business
 - 2.5.3 HBM Tunnel Monitoring Solutions Product and Solutions
 - 2.5.4 HBM Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 HBM Recent Developments and Future Plans
- 2.6 Geocomp
 - 2.6.1 Geocomp Details
 - 2.6.2 Geocomp Major Business
 - 2.6.3 Geocomp Tunnel Monitoring Solutions Product and Solutions
 - 2.6.4 Geocomp Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)
 - 2.6.5 Geocomp Recent Developments and Future Plans
- 2.7 NEXT Industries
 - 2.7.1 NEXT Industries Details
 - 2.7.2 NEXT Industries Major Business
 - 2.7.3 NEXT Industries Tunnel Monitoring Solutions Product and Solutions
 - 2.7.4 NEXT Industries Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 NEXT Industries Recent Developments and Future Plans
- 2.8 Smartec
 - 2.8.1 Smartec Details
 - 2.8.2 Smartec Major Business
 - 2.8.3 Smartec Tunnel Monitoring Solutions Product and Solutions
 - 2.8.4 Smartec Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Smartec Recent Developments and Future Plans
- 2.9 Sisgeo
 - 2.9.1 Sisgeo Details
 - 2.9.2 Sisgeo Major Business
 - 2.9.3 Sisgeo Tunnel Monitoring Solutions Product and Solutions
 - 2.9.4 Sisgeo Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 Sisgeo Recent Developments and Future Plans

2.10 Sixense Soldata

2.10.1 Sixense Soldata Details

2.10.2 Sixense Soldata Major Business

2.10.3 Sixense Soldata Tunnel Monitoring Solutions Product and Solutions

2.10.4 Sixense Soldata Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Sixense Soldata Recent Developments and Future Plans

2.11 Resensys

2.11.1 Resensys Details

2.11.2 Resensys Major Business

2.11.3 Resensys Tunnel Monitoring Solutions Product and Solutions

2.11.4 Resensys Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Resensys Recent Developments and Future Plans

2.12 Leica Geosystems

2.12.1 Leica Geosystems Details

2.12.2 Leica Geosystems Major Business

2.12.3 Leica Geosystems Tunnel Monitoring Solutions Product and Solutions

2.12.4 Leica Geosystems Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Leica Geosystems Recent Developments and Future Plans

2.13 GeoDin

2.13.1 GeoDin Details

2.13.2 GeoDin Major Business

2.13.3 GeoDin Tunnel Monitoring Solutions Product and Solutions

2.13.4 GeoDin Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 GeoDin Recent Developments and Future Plans

2.14 DURAG GROUP

2.14.1 DURAG GROUP Details

2.14.2 DURAG GROUP Major Business

2.14.3 DURAG GROUP Tunnel Monitoring Solutions Product and Solutions

2.14.4 DURAG GROUP Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.14.5 DURAG GROUP Recent Developments and Future Plans

2.15 Movyon

2.15.1 Movyon Details

2.15.2 Movyon Major Business

2.15.3 Movyon Tunnel Monitoring Solutions Product and Solutions

2.15.4 Movyon Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.15.5 Movyon Recent Developments and Future Plans

2.16 SINELEC

2.16.1 SINELEC Details

2.16.2 SINELEC Major Business

2.16.3 SINELEC Tunnel Monitoring Solutions Product and Solutions

2.16.4 SINELEC Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.16.5 SINELEC Recent Developments and Future Plans

2.17 Acoem

2.17.1 Acoem Details

2.17.2 Acoem Major Business

2.17.3 Acoem Tunnel Monitoring Solutions Product and Solutions

2.17.4 Acoem Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.17.5 Acoem Recent Developments and Future Plans

2.18 Roctest

2.18.1 Roctest Details

2.18.2 Roctest Major Business

2.18.3 Roctest Tunnel Monitoring Solutions Product and Solutions

2.18.4 Roctest Tunnel Monitoring Solutions Revenue, Gross Margin and Market Share (2021-2026)

2.18.5 Roctest Recent Developments and Future Plans

3 MARKET COMPETITION, BY PLAYERS

3.1 Global Tunnel Monitoring Solutions Revenue and Share by Players (2021-2026)

3.2 Market Share Analysis (2025)

3.2.1 Market Share of Tunnel Monitoring Solutions by Company Revenue

3.2.2 Top 3 Tunnel Monitoring Solutions Players Market Share in 2025

3.2.3 Top 6 Tunnel Monitoring Solutions Players Market Share in 2025

3.3 Tunnel Monitoring Solutions Market: Overall Company Footprint Analysis

3.3.1 Tunnel Monitoring Solutions Market: Region Footprint

3.3.2 Tunnel Monitoring Solutions Market: Company Product Type Footprint

3.3.3 Tunnel Monitoring Solutions Market: Company Product Application Footprint

3.4 New Market Entrants and Barriers to Market Entry

3.5 Mergers, Acquisition, Agreements, and Collaborations

4 MARKET SIZE SEGMENT BY TYPE

4.1 Global Tunnel Monitoring Solutions Consumption Value and Market Share by Type (2021-2026)

4.2 Global Tunnel Monitoring Solutions Market Forecast by Type (2027-2032)

5 MARKET SIZE SEGMENT BY APPLICATION

5.1 Global Tunnel Monitoring Solutions Consumption Value Market Share by Application (2021-2026)

5.2 Global Tunnel Monitoring Solutions Market Forecast by Application (2027-2032)

6 NORTH AMERICA

6.1 North America Tunnel Monitoring Solutions Consumption Value by Type (2021-2032)

6.2 North America Tunnel Monitoring Solutions Market Size by Application (2021-2032)

6.3 North America Tunnel Monitoring Solutions Market Size by Country

6.3.1 North America Tunnel Monitoring Solutions Consumption Value by Country (2021-2032)

6.3.2 United States Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

6.3.3 Canada Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

6.3.4 Mexico Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

7 EUROPE

7.1 Europe Tunnel Monitoring Solutions Consumption Value by Type (2021-2032)

7.2 Europe Tunnel Monitoring Solutions Consumption Value by Application (2021-2032)

7.3 Europe Tunnel Monitoring Solutions Market Size by Country

7.3.1 Europe Tunnel Monitoring Solutions Consumption Value by Country (2021-2032)

7.3.2 Germany Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

7.3.3 France Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

7.3.4 United Kingdom Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

7.3.5 Russia Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

7.3.6 Italy Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

8 ASIA-PACIFIC

8.1 Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Type (2021-2032)

8.2 Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Application (2021-2032)

8.3 Asia-Pacific Tunnel Monitoring Solutions Market Size by Region

8.3.1 Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Region (2021-2032)

8.3.2 China Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

8.3.3 Japan Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

8.3.4 South Korea Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

8.3.5 India Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

8.3.6 Southeast Asia Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

8.3.7 Australia Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

9 SOUTH AMERICA

9.1 South America Tunnel Monitoring Solutions Consumption Value by Type (2021-2032)

9.2 South America Tunnel Monitoring Solutions Consumption Value by Application (2021-2032)

9.3 South America Tunnel Monitoring Solutions Market Size by Country

9.3.1 South America Tunnel Monitoring Solutions Consumption Value by Country (2021-2032)

9.3.2 Brazil Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

9.3.3 Argentina Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

10 MIDDLE EAST & AFRICA

10.1 Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Type (2021-2032)

10.2 Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Application (2021-2032)

10.3 Middle East & Africa Tunnel Monitoring Solutions Market Size by Country

10.3.1 Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Country (2021-2032)

10.3.2 Turkey Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

10.3.3 Saudi Arabia Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

10.3.4 UAE Tunnel Monitoring Solutions Market Size and Forecast (2021-2032)

11 MARKET DYNAMICS

11.1 Tunnel Monitoring Solutions Market Drivers

11.2 Tunnel Monitoring Solutions Market Restraints

11.3 Tunnel Monitoring Solutions Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

12 INDUSTRY CHAIN ANALYSIS

12.1 Tunnel Monitoring Solutions Industry Chain

12.2 Tunnel Monitoring Solutions Upstream Analysis

12.3 Tunnel Monitoring Solutions Midstream Analysis

12.4 Tunnel Monitoring Solutions Downstream Analysis

13 RESEARCH FINDINGS AND CONCLUSION

14 APPENDIX

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Tunnel Monitoring Solutions Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Tunnel Monitoring Solutions Consumption Value by Technical Architecture, (USD Million), 2021 & 2025 & 2032

Table 3. Global Tunnel Monitoring Solutions Consumption Value by Deployment Mode, (USD Million), 2021 & 2025 & 2032

Table 4. Global Tunnel Monitoring Solutions Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Global Tunnel Monitoring Solutions Consumption Value by Region (2021-2026) & (USD Million)

Table 6. Global Tunnel Monitoring Solutions Consumption Value by Region (2027-2032) & (USD Million)

Table 7. Encardio Rite Company Information, Head Office, and Major Competitors

Table 8. Encardio Rite Major Business

Table 9. Encardio Rite Tunnel Monitoring Solutions Product and Solutions

Table 10. Encardio Rite Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 11. Encardio Rite Recent Developments and Future Plans

Table 12. Senceive Company Information, Head Office, and Major Competitors

Table 13. Senceive Major Business

Table 14. Senceive Tunnel Monitoring Solutions Product and Solutions

Table 15. Senceive Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 16. Senceive Recent Developments and Future Plans

Table 17. Loram Company Information, Head Office, and Major Competitors

Table 18. Loram Major Business

Table 19. Loram Tunnel Monitoring Solutions Product and Solutions

Table 20. Loram Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 21. Ricoh Company Information, Head Office, and Major Competitors

Table 22. Ricoh Major Business

Table 23. Ricoh Tunnel Monitoring Solutions Product and Solutions

Table 24. Ricoh Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. Ricoh Recent Developments and Future Plans

- Table 26. HBM Company Information, Head Office, and Major Competitors
- Table 27. HBM Major Business
- Table 28. HBM Tunnel Monitoring Solutions Product and Solutions
- Table 29. HBM Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 30. HBM Recent Developments and Future Plans
- Table 31. Geocomp Company Information, Head Office, and Major Competitors
- Table 32. Geocomp Major Business
- Table 33. Geocomp Tunnel Monitoring Solutions Product and Solutions
- Table 34. Geocomp Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 35. Geocomp Recent Developments and Future Plans
- Table 36. NEXT Industries Company Information, Head Office, and Major Competitors
- Table 37. NEXT Industries Major Business
- Table 38. NEXT Industries Tunnel Monitoring Solutions Product and Solutions
- Table 39. NEXT Industries Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 40. NEXT Industries Recent Developments and Future Plans
- Table 41. Smartec Company Information, Head Office, and Major Competitors
- Table 42. Smartec Major Business
- Table 43. Smartec Tunnel Monitoring Solutions Product and Solutions
- Table 44. Smartec Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 45. Smartec Recent Developments and Future Plans
- Table 46. Sisgeo Company Information, Head Office, and Major Competitors
- Table 47. Sisgeo Major Business
- Table 48. Sisgeo Tunnel Monitoring Solutions Product and Solutions
- Table 49. Sisgeo Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 50. Sisgeo Recent Developments and Future Plans
- Table 51. Sixense Soldata Company Information, Head Office, and Major Competitors
- Table 52. Sixense Soldata Major Business
- Table 53. Sixense Soldata Tunnel Monitoring Solutions Product and Solutions
- Table 54. Sixense Soldata Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 55. Sixense Soldata Recent Developments and Future Plans
- Table 56. Resensys Company Information, Head Office, and Major Competitors
- Table 57. Resensys Major Business
- Table 58. Resensys Tunnel Monitoring Solutions Product and Solutions

Table 59. Resensys Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 60. Resensys Recent Developments and Future Plans

Table 61. Leica Geosystems Company Information, Head Office, and Major Competitors

Table 62. Leica Geosystems Major Business

Table 63. Leica Geosystems Tunnel Monitoring Solutions Product and Solutions

Table 64. Leica Geosystems Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. Leica Geosystems Recent Developments and Future Plans

Table 66. GeoDin Company Information, Head Office, and Major Competitors

Table 67. GeoDin Major Business

Table 68. GeoDin Tunnel Monitoring Solutions Product and Solutions

Table 69. GeoDin Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 70. GeoDin Recent Developments and Future Plans

Table 71. DURAG GROUP Company Information, Head Office, and Major Competitors

Table 72. DURAG GROUP Major Business

Table 73. DURAG GROUP Tunnel Monitoring Solutions Product and Solutions

Table 74. DURAG GROUP Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 75. DURAG GROUP Recent Developments and Future Plans

Table 76. Movyon Company Information, Head Office, and Major Competitors

Table 77. Movyon Major Business

Table 78. Movyon Tunnel Monitoring Solutions Product and Solutions

Table 79. Movyon Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 80. Movyon Recent Developments and Future Plans

Table 81. SINELEC Company Information, Head Office, and Major Competitors

Table 82. SINELEC Major Business

Table 83. SINELEC Tunnel Monitoring Solutions Product and Solutions

Table 84. SINELEC Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. SINELEC Recent Developments and Future Plans

Table 86. Acoem Company Information, Head Office, and Major Competitors

Table 87. Acoem Major Business

Table 88. Acoem Tunnel Monitoring Solutions Product and Solutions

Table 89. Acoem Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Acoem Recent Developments and Future Plans

Table 91. Roctest Company Information, Head Office, and Major Competitors

Table 92. Roctest Major Business

Table 93. Roctest Tunnel Monitoring Solutions Product and Solutions

Table 94. Roctest Tunnel Monitoring Solutions Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 95. Roctest Recent Developments and Future Plans

Table 96. Global Tunnel Monitoring Solutions Revenue (USD Million) by Players (2021-2026)

Table 97. Global Tunnel Monitoring Solutions Revenue Share by Players (2021-2026)

Table 98. Breakdown of Tunnel Monitoring Solutions by Company Type (Tier 1, Tier 2, and Tier 3)

Table 99. Market Position of Players in Tunnel Monitoring Solutions, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 100. Head Office of Key Tunnel Monitoring Solutions Players

Table 101. Tunnel Monitoring Solutions Market: Company Product Type Footprint

Table 102. Tunnel Monitoring Solutions Market: Company Product Application Footprint

Table 103. Tunnel Monitoring Solutions New Market Entrants and Barriers to Market Entry

Table 104. Tunnel Monitoring Solutions Mergers, Acquisition, Agreements, and Collaborations

Table 105. Global Tunnel Monitoring Solutions Consumption Value (USD Million) by Type (2021-2026)

Table 106. Global Tunnel Monitoring Solutions Consumption Value Share by Type (2021-2026)

Table 107. Global Tunnel Monitoring Solutions Consumption Value Forecast by Type (2027-2032)

Table 108. Global Tunnel Monitoring Solutions Consumption Value by Application (2021-2026)

Table 109. Global Tunnel Monitoring Solutions Consumption Value Forecast by Application (2027-2032)

Table 110. North America Tunnel Monitoring Solutions Consumption Value by Type (2021-2026) & (USD Million)

Table 111. North America Tunnel Monitoring Solutions Consumption Value by Type (2027-2032) & (USD Million)

Table 112. North America Tunnel Monitoring Solutions Consumption Value by Application (2021-2026) & (USD Million)

Table 113. North America Tunnel Monitoring Solutions Consumption Value by Application (2027-2032) & (USD Million)

Table 114. North America Tunnel Monitoring Solutions Consumption Value by Country (2021-2026) & (USD Million)

Table 115. North America Tunnel Monitoring Solutions Consumption Value by Country (2027-2032) & (USD Million)

Table 116. Europe Tunnel Monitoring Solutions Consumption Value by Type (2021-2026) & (USD Million)

Table 117. Europe Tunnel Monitoring Solutions Consumption Value by Type (2027-2032) & (USD Million)

Table 118. Europe Tunnel Monitoring Solutions Consumption Value by Application (2021-2026) & (USD Million)

Table 119. Europe Tunnel Monitoring Solutions Consumption Value by Application (2027-2032) & (USD Million)

Table 120. Europe Tunnel Monitoring Solutions Consumption Value by Country (2021-2026) & (USD Million)

Table 121. Europe Tunnel Monitoring Solutions Consumption Value by Country (2027-2032) & (USD Million)

Table 122. Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Type (2021-2026) & (USD Million)

Table 123. Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Type (2027-2032) & (USD Million)

Table 124. Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Application (2021-2026) & (USD Million)

Table 125. Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Application (2027-2032) & (USD Million)

Table 126. Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Region (2021-2026) & (USD Million)

Table 127. Asia-Pacific Tunnel Monitoring Solutions Consumption Value by Region (2027-2032) & (USD Million)

Table 128. South America Tunnel Monitoring Solutions Consumption Value by Type (2021-2026) & (USD Million)

Table 129. South America Tunnel Monitoring Solutions Consumption Value by Type (2027-2032) & (USD Million)

Table 130. South America Tunnel Monitoring Solutions Consumption Value by Application (2021-2026) & (USD Million)

Table 131. South America Tunnel Monitoring Solutions Consumption Value by Application (2027-2032) & (USD Million)

Table 132. South America Tunnel Monitoring Solutions Consumption Value by Country (2021-2026) & (USD Million)

Table 133. South America Tunnel Monitoring Solutions Consumption Value by Country

(2027-2032) & (USD Million)

Table 134. Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Type (2021-2026) & (USD Million)

Table 135. Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Type (2027-2032) & (USD Million)

Table 136. Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Application (2021-2026) & (USD Million)

Table 137. Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Application (2027-2032) & (USD Million)

Table 138. Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Country (2021-2026) & (USD Million)

Table 139. Middle East & Africa Tunnel Monitoring Solutions Consumption Value by Country (2027-2032) & (USD Million)

Table 140. Global Key Players of Tunnel Monitoring Solutions Upstream (Raw Materials)

Table 141. Global Tunnel Monitoring Solutions Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Tunnel Monitoring Solutions Picture
- Figure 2. Global Tunnel Monitoring Solutions Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Tunnel Monitoring Solutions Consumption Value Market Share by Type in 2025
- Figure 4. Structural Health Monitoring Solutions
- Figure 5. Environmental Monitoring Solutions
- Figure 6. Operational Safety Monitoring Solutions
- Figure 7. Global Tunnel Monitoring Solutions Consumption Value by Technical Architecture, (USD Million), 2021 & 2025 & 2032
- Figure 8. Global Tunnel Monitoring Solutions Consumption Value Market Share by Technical Architecture in 2025
- Figure 9. Wired Integrated Solutions
- Figure 10. Wireless Sensor Network Solutions
- Figure 11. Fiber Optic Sensing Solutions
- Figure 12. Global Tunnel Monitoring Solutions Consumption Value by Deployment Mode, (USD Million), 2021 & 2025 & 2032
- Figure 13. Global Tunnel Monitoring Solutions Consumption Value Market Share by Deployment Mode in 2025
- Figure 14. Fixed Monitoring Solutions
- Figure 15. Portable Monitoring Solutions
- Figure 16. Cloud Platform Service Solutions
- Figure 17. Global Tunnel Monitoring Solutions Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 18. Tunnel Monitoring Solutions Consumption Value Market Share by Application in 2025
- Figure 19. Transportation Infrastructure Picture
- Figure 20. Water Conservancy Picture
- Figure 21. Municipal Services Picture
- Figure 22. Mining Picture
- Figure 23. Others Picture
- Figure 24. Global Tunnel Monitoring Solutions Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 25. Global Tunnel Monitoring Solutions Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 26. Global Market Tunnel Monitoring Solutions Consumption Value (USD Million) Comparison by Region (2021 VS 2025 VS 2032)

Figure 27. Global Tunnel Monitoring Solutions Consumption Value Market Share by Region (2021-2032)

Figure 28. Global Tunnel Monitoring Solutions Consumption Value Market Share by Region in 2025

Figure 29. North America Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 30. Europe Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 31. Asia-Pacific Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 32. South America Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 33. Middle East & Africa Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 34. Company Three Recent Developments and Future Plans

Figure 35. Global Tunnel Monitoring Solutions Revenue Share by Players in 2025

Figure 36. Tunnel Monitoring Solutions Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2025

Figure 37. Market Share of Tunnel Monitoring Solutions by Player Revenue in 2025

Figure 38. Top 3 Tunnel Monitoring Solutions Players Market Share in 2025

Figure 39. Top 6 Tunnel Monitoring Solutions Players Market Share in 2025

Figure 40. Global Tunnel Monitoring Solutions Consumption Value Share by Type (2021-2026)

Figure 41. Global Tunnel Monitoring Solutions Market Share Forecast by Type (2027-2032)

Figure 42. Global Tunnel Monitoring Solutions Consumption Value Share by Application (2021-2026)

Figure 43. Global Tunnel Monitoring Solutions Market Share Forecast by Application (2027-2032)

Figure 44. North America Tunnel Monitoring Solutions Consumption Value Market Share by Type (2021-2032)

Figure 45. North America Tunnel Monitoring Solutions Consumption Value Market Share by Application (2021-2032)

Figure 46. North America Tunnel Monitoring Solutions Consumption Value Market Share by Country (2021-2032)

Figure 47. United States Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 48. Canada Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 49. Mexico Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 50. Europe Tunnel Monitoring Solutions Consumption Value Market Share by Type (2021-2032)

Figure 51. Europe Tunnel Monitoring Solutions Consumption Value Market Share by Application (2021-2032)

Figure 52. Europe Tunnel Monitoring Solutions Consumption Value Market Share by Country (2021-2032)

Figure 53. Germany Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 54. France Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 55. United Kingdom Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 56. Russia Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 57. Italy Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 58. Asia-Pacific Tunnel Monitoring Solutions Consumption Value Market Share by Type (2021-2032)

Figure 59. Asia-Pacific Tunnel Monitoring Solutions Consumption Value Market Share by Application (2021-2032)

Figure 60. Asia-Pacific Tunnel Monitoring Solutions Consumption Value Market Share by Region (2021-2032)

Figure 61. China Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 62. Japan Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 63. South Korea Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 64. India Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 65. Southeast Asia Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 66. Australia Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 67. South America Tunnel Monitoring Solutions Consumption Value Market

Share by Type (2021-2032)

Figure 68. South America Tunnel Monitoring Solutions Consumption Value Market

Share by Application (2021-2032)

Figure 69. South America Tunnel Monitoring Solutions Consumption Value Market

Share by Country (2021-2032)

Figure 70. Brazil Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 71. Argentina Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 72. Middle East & Africa Tunnel Monitoring Solutions Consumption Value Market Share by Type (2021-2032)

Figure 73. Middle East & Africa Tunnel Monitoring Solutions Consumption Value Market Share by Application (2021-2032)

Figure 74. Middle East & Africa Tunnel Monitoring Solutions Consumption Value Market Share by Country (2021-2032)

Figure 75. Turkey Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 76. Saudi Arabia Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 77. UAE Tunnel Monitoring Solutions Consumption Value (2021-2032) & (USD Million)

Figure 78. Tunnel Monitoring Solutions Market Drivers

Figure 79. Tunnel Monitoring Solutions Market Restraints

Figure 80. Tunnel Monitoring Solutions Market Trends

Figure 81. Porters Five Forces Analysis

Figure 82. Tunnel Monitoring Solutions Industrial Chain

Figure 83. Methodology

Figure 84. Research Process and Data Source

I would like to order

Product name: Global Tunnel Monitoring Solutions Market 2026 by Company, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/G795A67D8792EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G795A67D8792EN.html>