

## **US & Canada Tunnel Sensor Market Research Report Forecast to 2027**

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### **Report description:**

US & Canada Tunnel Sensor Market Research Report Forecast to 2027

#### Market Overview

This study on the US & Canada tunnel sensor market provides detailed information on industry trends, market dynamics, market size, competitive landscape, and growth opportunities. This research report categorizes the US & Canada tunnel sensor market by solution, service, connectivity, application, and country.

A tunnel sensor is a device that measures the concentration of various gases to maintain the air quality and ventilation inside the tunnel. It consists of a transmitter and a receiver mounted on the ceiling of the tunnel to monitor and analyze air concentrations in the tunnel. Visible and infrared lights are emitted by the transmitter to measure the visibility and gaseous concentration inside the tunnel. The signals received are further processed as a part of air quality management for ventilation control in these tunnels.

Various factors driving the tunnel sensor market include increasing investment in tunnel infrastructure and increasing demand for reliable network and safety systems during emergencies. However, high installation costs are the major restraint in the market.

Moreover, the technological advancements in sensors provide growth opportunities to the market players.

#### Market Segmentation

Based on the solution, the tunnel sensor market has been divided into visibility monitoring, airflow monitoring, air quality monitoring, filter monitoring, fire monitoring, and others.

By service, the tunnel sensor market has been segmented into installation services, maintenance services, and consulting services. Based on connectivity, the tunnel sensor market is categorized into Wired and Wireless. Of these, the Wired segment is projected to record the highest CAGR during the period 2021-2027.

Based on application, the tunnel sensor market is categorized into road tunnels, rail tunnels, and others. The countries included in the study are US and Canada. In terms of countries, the US is anticipated to dominate the tunnel sensor market during the study period.

#### Major Players

The US & Canada tunnel sensor market is highly competitive with the presence of several vendors offering feature-rich and innovative solutions to their customers. The major vendors profiled in the study are SICK AG, Tunnel Sensors Ltd., Altech Corporation, GEONICA, Durag group, PCB Piezotronics, Inc., Instantel, GEOKON, OMEGA Engineering inc and FUGRO.

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