+357 96 030922
info@marketpublishers.com

Global Smart Manhole Cover Sensor Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/GE2539E6FBB5EN.html
Date: August 2026
Pages: 172
Price: US$ 4,480.00 (Single User License)
ID: GE2539E6FBB5EN

Abstracts

The global Smart Manhole Cover Sensor market size is expected to reach $ 261 million by 2032, rising at a market growth of 14.5% CAGR during the forecast period (2026-2032).

A smart manhole cover sensor is a low-power IoT sensing terminal designed for municipal roads, wastewater and stormwater networks, water supply assets, telecom vaults, power cable chambers, gas utilities, heating networks and other underground infrastructure. It is typically installed under the cover, on the frame, on the chamber wall or inside the manhole, and integrates sensing elements such as tilt, accelerometer, magnetic open/close detection, displacement, water immersion, ultrasonic or radar level sensing, temperature and humidity, hazardous gas and combustible gas detection. The device identifies cover opening, displacement, tilting, removal, impact, abnormal water level, gas hazards and unauthorized intrusion, and transmits data through NB-IoT, LoRaWAN, LTE-M, 4G, Sigfox, BLE or other low-power communication technologies to cloud platforms, smart city systems, water utility platforms, sewer operation dashboards or emergency command systems. Product forms include standalone battery-powered terminals, sensor modules integrated with smart manhole covers, combined level/gas/status monitoring devices, intrusion alarm terminals and hardware-linked data or alert services. This study focuses on intelligent sensing hardware and directly attached systems that monitor manhole cover or in-manhole conditions and support remote communication.

Based on our research, the smart manhole cover sensor market should be understood as a vertical IoT hardware segment rather than a simple extension of the traditional manhole cover industry. The product converts a passive underground access asset into an online sensing node capable of detecting cover opening, displacement, tilting,

+357 96 030922
info@marketpublishers.com

removal, high water level, gas hazards and unauthorized intrusion. Its economic value is not only determined by device ASP, but also by the ability to reduce public safety risks, sewer overflow events, unauthorized access to telecom or power vaults, and delayed emergency response. For this reason, this report applies a narrow scope: it includes sensing terminals installed on the cover, frame or inside the manhole, together with directly attached communication and platform functions, while excluding ordinary manhole covers, standalone mechanical or electronic locks, generic level sensors without manhole-specific positioning, and pure system integration projects.

Demand growth is being driven by three major use cases. The first is sewer and stormwater monitoring, where utilities need continuous level data, overflow warning and blockage detection, especially in North America and Europe where regulatory and environmental pressure is high. The second is China?s smart municipal infrastructure and urban lifeline programs, which support the deployment of low-cost NB-IoT monitoring terminals across manholes managed by municipal, drainage, water, power, gas and telecom authorities. The third is underground utility security, where telecom, power and gas operators use cover opening and intrusion alerts to protect cable vaults, equipment chambers and hazardous underground assets. Policy support for digitalized municipal infrastructure and real-time monitoring strengthens the structural demand base in China, while aging sewer networks, extreme rainfall and operational efficiency drive adoption in developed water markets.

From a product roadmap perspective, the market is moving from simple tilt or magnetic open/close alarms toward multi-sensor terminals that combine cover status, water immersion, ultrasonic or radar level, temperature, humidity, combustible gas, toxic gas, battery status and positioning. China remains highly cost-sensitive and favors battery-powered NB-IoT terminals that can be installed quickly at scale. Western wastewater markets are more willing to pay for robust sensing, satellite or cellular communication, cloud analytics, compliance reporting and field service. The next phase of competition will be shaped by low-power design, IP68 sealing, explosion-proof options, false-alarm reduction, remote configuration, FOTA, GIS integration, API openness and AI-assisted event filtering.

This is a smaller but more precise market than broad ?smart manhole cover? or ?smart city platform? categories. The industry?s key competitive question is shifting from whether a supplier can provide a low-cost connected device to whether it can maintain long-term performance in harsh underground environments, reduce maintenance visits, integrate with utility workflows and demonstrate measurable safety or operating benefits. Leading water technology platforms may continue to consolidate specialized

+357 96 030922
info@marketpublishers.com

sewer monitoring companies, while regional hardware manufacturers will remain competitive through customization, price and local delivery capabilities.

This report studies the global Smart Manhole Cover Sensor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Smart Manhole Cover Sensor and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Smart Manhole Cover Sensor that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Smart Manhole Cover Sensor total production and demand, 2021-2032, (Units)
Global Smart Manhole Cover Sensor total production value, 2021-2032, (USD Million)
Global Smart Manhole Cover Sensor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)
Global Smart Manhole Cover Sensor consumption by region & country, CAGR, 2021-2032 & (Units)
U.S. VS China: Smart Manhole Cover Sensor domestic production, consumption, key domestic manufacturers and share
Global Smart Manhole Cover Sensor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)
Global Smart Manhole Cover Sensor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)
Global Smart Manhole Cover Sensor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Smart Manhole Cover Sensor market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Badger Meter, Inc., Shanghai WPG Smart Water Public Co., Ltd., Zhejiang Heda Technology Co., Ltd., Xiamen Four-Faith Communication Technology Co., Ltd., Beijing Dingtek Technology Corp., Ltd., MOKO SMART, Xi?an Chinastar M&C Ltd., Shandong Renke Control Technology Co., Ltd., Shanghai Renwei Electronic Technology Co., Ltd., Gemtek Technology Inc., etc.

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

+357 96 030922
info@marketpublishers.com

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Smart Manhole Cover Sensor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Smart Manhole Cover Sensor Market, By Region:

- United States
- China
- Europe
- Japan
- South Korea
- ASEAN
- India
- Rest of World

Global Smart Manhole Cover Sensor Market, Segmentation by Type:

- No Water Level Monitoring
- With Water Level Monitoring

Global Smart Manhole Cover Sensor Market, Segmentation by Sensor Technology:

+357 96 030922
info@marketpublishers.com

Tilt / Accelerometer Sensing

Magnetic / Contact Sensing

Electrochemical / Catalytic Gas Sensing

Other

Global Smart Manhole Cover Sensor Market, Segmentation by Power Supply Mode:

Battery-powered

External Power Supply

Other

Global Smart Manhole Cover Sensor Market, Segmentation by Application:

Cover Loss and Displacement Detection

Unauthorized Opening Detection

Waterlogging and Overflow Warning

Gas Safety Monitoring

Other

Companies Profiled:

Badger Meter, Inc.

Shanghai WPG Smart Water Public Co., Ltd.

Zhejiang Heda Technology Co., Ltd.

+357 96 030922
info@marketpublishers.com

Xiamen Four-Faith Communication Technology Co., Ltd.

Beijing Dingtek Technology Corp., Ltd.

MOKO SMART

Xi?an Chinastar M&C Ltd.

Shandong Renke Control Technology Co., Ltd.

Shanghai Renwei Electronic Technology Co., Ltd.

Gemtek Technology Inc.

CNIguard Ltd.

Hangzhou Dekerxi Intelligent Technology Co., Ltd.

Beijing Black Ant Energy Saving Technology Co., Ltd.

NHR Co., Ltd.

X-LOGIC

Hocell Information Technologies (Shenzhen) Co., Ltd.

Tangshan Pingsheng Electronic Technology Development Co., Ltd.

Mutelcor GmbH

Ellenex Pty Ltd

2M Engineering B.V.

Henan Chicheng Electric Co., Ltd.

Key Questions Answered:

1. How big is the global Smart Manhole Cover Sensor market?

+357 96 030922
info@marketpublishers.com

2. What is the demand of the global Smart Manhole Cover Sensor market?
3. What is the year over year growth of the global Smart Manhole Cover Sensor market?
4. What is the production and production value of the global Smart Manhole Cover Sensor market?
5. Who are the key producers in the global Smart Manhole Cover Sensor market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

Contents

1 SUPPLY SUMMARY

1.1 Smart Manhole Cover Sensor Introduction
1.2 World Smart Manhole Cover Sensor Supply & Forecast
  1.2.1 World Smart Manhole Cover Sensor Production Value (2021 & 2025 & 2032)
  1.2.2 World Smart Manhole Cover Sensor Production (2021-2032)
  1.2.3 World Smart Manhole Cover Sensor Pricing Trends (2021-2032)
1.3 World Smart Manhole Cover Sensor Production by Region (Based on Production Site)
  1.3.1 World Smart Manhole Cover Sensor Production Value by Region (2021-2032)
  1.3.2 World Smart Manhole Cover Sensor Production by Region (2021-2032)
  1.3.3 World Smart Manhole Cover Sensor Average Price by Region (2021-2032)
  1.3.4 China Smart Manhole Cover Sensor Production (2021-2032)
  1.3.5 North America Smart Manhole Cover Sensor Production (2021-2032)
  1.3.6 Europe Smart Manhole Cover Sensor Production (2021-2032)
  1.3.7 Australia Smart Manhole Cover Sensor Production (2021-2032)
1.4 Market Drivers, Restraints and Trends
  1.4.1 Smart Manhole Cover Sensor Market Drivers
  1.4.2 Factors Affecting Demand
  1.4.3 Smart Manhole Cover Sensor Major Market Trends

2 DEMAND SUMMARY

2.1 World Smart Manhole Cover Sensor Demand (2021-2032)
2.2 World Smart Manhole Cover Sensor Consumption by Region
  2.2.1 World Smart Manhole Cover Sensor Consumption by Region (2021-2026)
  2.2.2 World Smart Manhole Cover Sensor Consumption Forecast by Region (2027-2032)
2.3 United States Smart Manhole Cover Sensor Consumption (2021-2032)
2.4 China Smart Manhole Cover Sensor Consumption (2021-2032)
2.5 Europe Smart Manhole Cover Sensor Consumption (2021-2032)
2.6 Japan Smart Manhole Cover Sensor Consumption (2021-2032)
2.7 South Korea Smart Manhole Cover Sensor Consumption (2021-2032)
2.8 ASEAN Smart Manhole Cover Sensor Consumption (2021-2032)
2.9 India Smart Manhole Cover Sensor Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

+357 96 030922
info@marketpublishers.com

3.1 World Smart Manhole Cover Sensor Production Value by Manufacturer (2021-2026)
3.2 World Smart Manhole Cover Sensor Production by Manufacturer (2021-2026)
3.3 World Smart Manhole Cover Sensor Average Price by Manufacturer (2021-2026)
3.4 Smart Manhole Cover Sensor Company Evaluation Quadrant
3.5 Industry Rank and Concentration Rate (CR)
  3.5.1 Global Smart Manhole Cover Sensor Industry Rank of Major Manufacturers
  3.5.2 Global Concentration Ratios (CR4) for Smart Manhole Cover Sensor in 2025
  3.5.3 Global Concentration Ratios (CR8) for Smart Manhole Cover Sensor in 2025
3.6 Smart Manhole Cover Sensor Market: Overall Company Footprint Analysis
  3.6.1 Smart Manhole Cover Sensor Market: Region Footprint
  3.6.2 Smart Manhole Cover Sensor Market: Company Product Type Footprint
  3.6.3 Smart Manhole Cover Sensor Market: Company Product Application Footprint
3.7 Competitive Environment
  3.7.1 Historical Structure of the Industry
  3.7.2 Barriers of Market Entry
  3.7.3 Factors of Competition
3.8 New Entrant and Capacity Expansion Plans
3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Smart Manhole Cover Sensor Production Value Comparison
  4.1.1 United States VS China: Smart Manhole Cover Sensor Production Value Comparison (2021 & 2025 & 2032)
  4.1.2 United States VS China: Smart Manhole Cover Sensor Production Value Market Share Comparison (2021 & 2025 & 2032)
4.2 United States VS China: Smart Manhole Cover Sensor Production Comparison
  4.2.1 United States VS China: Smart Manhole Cover Sensor Production Comparison (2021 & 2025 & 2032)
  4.2.2 United States VS China: Smart Manhole Cover Sensor Production Market Share Comparison (2021 & 2025 & 2032)
4.3 United States VS China: Smart Manhole Cover Sensor Consumption Comparison
  4.3.1 United States VS China: Smart Manhole Cover Sensor Consumption Comparison (2021 & 2025 & 2032)
  4.3.2 United States VS China: Smart Manhole Cover Sensor Consumption Market Share Comparison (2021 & 2025 & 2032)
4.4 United States Based Smart Manhole Cover Sensor Manufacturers and Market

+357 96 030922
info@marketpublishers.com

Share, 2021-2026
4.4.1 United States Based Smart Manhole Cover Sensor Manufacturers, Headquarters and Production Site (States, Country)
4.4.2 United States Based Manufacturers Smart Manhole Cover Sensor Production Value (2021-2026)
4.4.3 United States Based Manufacturers Smart Manhole Cover Sensor Production (2021-2026)
4.5 China Based Smart Manhole Cover Sensor Manufacturers and Market Share
4.5.1 China Based Smart Manhole Cover Sensor Manufacturers, Headquarters and Production Site (Province, Country)
4.5.2 China Based Manufacturers Smart Manhole Cover Sensor Production Value (2021-2026)
4.5.3 China Based Manufacturers Smart Manhole Cover Sensor Production (2021-2026)
4.6 Rest of World Based Smart Manhole Cover Sensor Manufacturers and Market Share, 2021-2026
4.6.1 Rest of World Based Smart Manhole Cover Sensor Manufacturers, Headquarters and Production Site (State, Country)
4.6.2 Rest of World Based Manufacturers Smart Manhole Cover Sensor Production Value (2021-2026)
4.6.3 Rest of World Based Manufacturers Smart Manhole Cover Sensor Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Smart Manhole Cover Sensor Market Size Overview by Type: 2021 VS 2025 VS 2032
5.2 Segment Introduction by Type
5.2.1 No Water Level Monitoring
5.2.2 With Water Level Monitoring
5.3 Market Segment by Type
5.3.1 World Smart Manhole Cover Sensor Production by Type (2021-2032)
5.3.2 World Smart Manhole Cover Sensor Production Value by Type (2021-2032)
5.3.3 World Smart Manhole Cover Sensor Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY SENSOR TECHNOLOGY

6.1 World Smart Manhole Cover Sensor Market Size Overview by Sensor Technology: 2021 VS 2025 VS 2032

+357 96 030922
info@marketpublishers.com

6.2 Segment Introduction by Sensor Technology
6.2.1 Tilt / Accelerometer Sensing
6.2.2 Magnetic / Contact Sensing
6.2.3 Electrochemical / Catalytic Gas Sensing
6.2.4 Other
6.3 Market Segment by Sensor Technology
6.3.1 World Smart Manhole Cover Sensor Production by Sensor Technology (2021-2032)
6.3.2 World Smart Manhole Cover Sensor Production Value by Sensor Technology (2021-2032)
6.3.3 World Smart Manhole Cover Sensor Average Price by Sensor Technology (2021-2032)

7 MARKET ANALYSIS BY POWER SUPPLY MODE

7.1 World Smart Manhole Cover Sensor Market Size Overview by Power Supply Mode: 2021 VS 2025 VS 2032
7.2 Segment Introduction by Power Supply Mode
7.2.1 Battery-powered
7.2.2 External Power Supply
7.2.3 Other
7.3 Market Segment by Power Supply Mode
7.3.1 World Smart Manhole Cover Sensor Production by Power Supply Mode (2021-2032)
7.3.2 World Smart Manhole Cover Sensor Production Value by Power Supply Mode (2021-2032)
7.3.3 World Smart Manhole Cover Sensor Average Price by Power Supply Mode (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Smart Manhole Cover Sensor Market Size Overview by Application: 2021 VS 2025 VS 2032
8.2 Segment Introduction by Application
8.2.1 Cover Loss and Displacement Detection
8.2.2 Unauthorized Opening Detection
8.2.3 Waterlogging and Overflow Warning
8.2.4 Gas Safety Monitoring
8.2.5 Other

+357 96 030922
info@marketpublishers.com

8.3 Market Segment by Application
8.3.1 World Smart Manhole Cover Sensor Production by Application (2021-2032)
8.3.2 World Smart Manhole Cover Sensor Production Value by Application (2021-2032)
8.3.3 World Smart Manhole Cover Sensor Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Badger Meter, Inc.
9.1.1 Badger Meter, Inc. Details
9.1.2 Badger Meter, Inc. Major Business
9.1.3 Badger Meter, Inc. Smart Manhole Cover Sensor Product and Services
9.1.4 Badger Meter, Inc. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.1.5 Badger Meter, Inc. Recent Developments/Updates
9.1.6 Badger Meter, Inc. Competitive Strengths & Weaknesses
9.2 Shanghai WPG Smart Water Public Co., Ltd.
9.2.1 Shanghai WPG Smart Water Public Co., Ltd. Details
9.2.2 Shanghai WPG Smart Water Public Co., Ltd. Major Business
9.2.3 Shanghai WPG Smart Water Public Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.2.4 Shanghai WPG Smart Water Public Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.2.5 Shanghai WPG Smart Water Public Co., Ltd. Recent Developments/Updates
9.2.6 Shanghai WPG Smart Water Public Co., Ltd. Competitive Strengths & Weaknesses
9.3 Zhejiang Heda Technology Co., Ltd.
9.3.1 Zhejiang Heda Technology Co., Ltd. Details
9.3.2 Zhejiang Heda Technology Co., Ltd. Major Business
9.3.3 Zhejiang Heda Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.3.4 Zhejiang Heda Technology Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.3.5 Zhejiang Heda Technology Co., Ltd. Recent Developments/Updates
9.3.6 Zhejiang Heda Technology Co., Ltd. Competitive Strengths & Weaknesses
9.4 Xiamen Four-Faith Communication Technology Co., Ltd.
9.4.1 Xiamen Four-Faith Communication Technology Co., Ltd. Details
9.4.2 Xiamen Four-Faith Communication Technology Co., Ltd. Major Business
9.4.3 Xiamen Four-Faith Communication Technology Co., Ltd. Smart Manhole Cover

+357 96 030922
info@marketpublishers.com

Sensor Product and Services
9.4.4 Xiamen Four-Faith Communication Technology Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.4.5 Xiamen Four-Faith Communication Technology Co., Ltd. Recent Developments/Updates
9.4.6 Xiamen Four-Faith Communication Technology Co., Ltd. Competitive Strengths & Weaknesses
9.5 Beijing Dingtek Technology Corp., Ltd.
9.5.1 Beijing Dingtek Technology Corp., Ltd. Details
9.5.2 Beijing Dingtek Technology Corp., Ltd. Major Business
9.5.3 Beijing Dingtek Technology Corp., Ltd. Smart Manhole Cover Sensor Product and Services
9.5.4 Beijing Dingtek Technology Corp., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.5.5 Beijing Dingtek Technology Corp., Ltd. Recent Developments/Updates
9.5.6 Beijing Dingtek Technology Corp., Ltd. Competitive Strengths & Weaknesses
9.6 MOKO SMART
9.6.1 MOKO SMART Details
9.6.2 MOKO SMART Major Business
9.6.3 MOKO SMART Smart Manhole Cover Sensor Product and Services
9.6.4 MOKO SMART Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.6.5 MOKO SMART Recent Developments/Updates
9.6.6 MOKO SMART Competitive Strengths & Weaknesses
9.7 Xi?an Chinastar M&C Ltd.
9.7.1 Xi?an Chinastar M&C Ltd. Details
9.7.2 Xi?an Chinastar M&C Ltd. Major Business
9.7.3 Xi?an Chinastar M&C Ltd. Smart Manhole Cover Sensor Product and Services
9.7.4 Xi?an Chinastar M&C Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.7.5 Xi?an Chinastar M&C Ltd. Recent Developments/Updates
9.7.6 Xi?an Chinastar M&C Ltd. Competitive Strengths & Weaknesses
9.8 Shandong Renke Control Technology Co., Ltd.
9.8.1 Shandong Renke Control Technology Co., Ltd. Details
9.8.2 Shandong Renke Control Technology Co., Ltd. Major Business
9.8.3 Shandong Renke Control Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.8.4 Shandong Renke Control Technology Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)

+357 96 030922
info@marketpublishers.com

9.8.5 Shandong Renke Control Technology Co., Ltd. Recent Developments/Updates
9.8.6 Shandong Renke Control Technology Co., Ltd. Competitive Strengths & Weaknesses
9.9 Shanghai Renwei Electronic Technology Co., Ltd.
9.9.1 Shanghai Renwei Electronic Technology Co., Ltd. Details
9.9.2 Shanghai Renwei Electronic Technology Co., Ltd. Major Business
9.9.3 Shanghai Renwei Electronic Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.9.4 Shanghai Renwei Electronic Technology Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.9.5 Shanghai Renwei Electronic Technology Co., Ltd. Recent Developments/Updates
9.9.6 Shanghai Renwei Electronic Technology Co., Ltd. Competitive Strengths & Weaknesses
9.10 Gemtek Technology Inc.
9.10.1 Gemtek Technology Inc. Details
9.10.2 Gemtek Technology Inc. Major Business
9.10.3 Gemtek Technology Inc. Smart Manhole Cover Sensor Product and Services
9.10.4 Gemtek Technology Inc. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.10.5 Gemtek Technology Inc. Recent Developments/Updates
9.10.6 Gemtek Technology Inc. Competitive Strengths & Weaknesses
9.11 CNIguard Ltd.
9.11.1 CNIguard Ltd. Details
9.11.2 CNIguard Ltd. Major Business
9.11.3 CNIguard Ltd. Smart Manhole Cover Sensor Product and Services
9.11.4 CNIguard Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.11.5 CNIguard Ltd. Recent Developments/Updates
9.11.6 CNIguard Ltd. Competitive Strengths & Weaknesses
9.12 Hangzhou Dekerxi Intelligent Technology Co., Ltd.
9.12.1 Hangzhou Dekerxi Intelligent Technology Co., Ltd. Details
9.12.2 Hangzhou Dekerxi Intelligent Technology Co., Ltd. Major Business
9.12.3 Hangzhou Dekerxi Intelligent Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.12.4 Hangzhou Dekerxi Intelligent Technology Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.12.5 Hangzhou Dekerxi Intelligent Technology Co., Ltd. Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

9.12.6 Hangzhou Dekerxi Intelligent Technology Co., Ltd. Competitive Strengths & Weaknesses
9.13 Beijing Black Ant Energy Saving Technology Co., Ltd.
9.13.1 Beijing Black Ant Energy Saving Technology Co., Ltd. Details
9.13.2 Beijing Black Ant Energy Saving Technology Co., Ltd. Major Business
9.13.3 Beijing Black Ant Energy Saving Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.13.4 Beijing Black Ant Energy Saving Technology Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.13.5 Beijing Black Ant Energy Saving Technology Co., Ltd. Recent Developments/Updates
9.13.6 Beijing Black Ant Energy Saving Technology Co., Ltd. Competitive Strengths & Weaknesses
9.14 NHR Co., Ltd.
9.14.1 NHR Co., Ltd. Details
9.14.2 NHR Co., Ltd. Major Business
9.14.3 NHR Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.14.4 NHR Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.14.5 NHR Co., Ltd. Recent Developments/Updates
9.14.6 NHR Co., Ltd. Competitive Strengths & Weaknesses
9.15 X-LOGIC
9.15.1 X-LOGIC Details
9.15.2 X-LOGIC Major Business
9.15.3 X-LOGIC Smart Manhole Cover Sensor Product and Services
9.15.4 X-LOGIC Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.15.5 X-LOGIC Recent Developments/Updates
9.15.6 X-LOGIC Competitive Strengths & Weaknesses
9.16 Hocell Information Technologies (Shenzhen) Co., Ltd.
9.16.1 Hocell Information Technologies (Shenzhen) Co., Ltd. Details
9.16.2 Hocell Information Technologies (Shenzhen) Co., Ltd. Major Business
9.16.3 Hocell Information Technologies (Shenzhen) Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.16.4 Hocell Information Technologies (Shenzhen) Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.16.5 Hocell Information Technologies (Shenzhen) Co., Ltd. Recent Developments/Updates
9.16.6 Hocell Information Technologies (Shenzhen) Co., Ltd. Competitive Strengths &

+357 96 030922
info@marketpublishers.com

Weaknesses
9.17 Tangshan Pingsheng Electronic Technology Development Co., Ltd.
9.17.1 Tangshan Pingsheng Electronic Technology Development Co., Ltd. Details
9.17.2 Tangshan Pingsheng Electronic Technology Development Co., Ltd. Major Business
9.17.3 Tangshan Pingsheng Electronic Technology Development Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.17.4 Tangshan Pingsheng Electronic Technology Development Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.17.5 Tangshan Pingsheng Electronic Technology Development Co., Ltd. Recent Developments/Updates
9.17.6 Tangshan Pingsheng Electronic Technology Development Co., Ltd. Competitive Strengths & Weaknesses
9.18 Mutelcor GmbH
9.18.1 Mutelcor GmbH Details
9.18.2 Mutelcor GmbH Major Business
9.18.3 Mutelcor GmbH Smart Manhole Cover Sensor Product and Services
9.18.4 Mutelcor GmbH Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.18.5 Mutelcor GmbH Recent Developments/Updates
9.18.6 Mutelcor GmbH Competitive Strengths & Weaknesses
9.19 Ellenex Pty Ltd
9.19.1 Ellenex Pty Ltd Details
9.19.2 Ellenex Pty Ltd Major Business
9.19.3 Ellenex Pty Ltd Smart Manhole Cover Sensor Product and Services
9.19.4 Ellenex Pty Ltd Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.19.5 Ellenex Pty Ltd Recent Developments/Updates
9.19.6 Ellenex Pty Ltd Competitive Strengths & Weaknesses
9.20 2M Engineering B.V.
9.20.1 2M Engineering B.V. Details
9.20.2 2M Engineering B.V. Major Business
9.20.3 2M Engineering B.V. Smart Manhole Cover Sensor Product and Services
9.20.4 2M Engineering B.V. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.20.5 2M Engineering B.V. Recent Developments/Updates
9.20.6 2M Engineering B.V. Competitive Strengths & Weaknesses
9.21 Henan Chicheng Electric Co., Ltd.

+357 96 030922
info@marketpublishers.com

9.21.1 Henan Chicheng Electric Co., Ltd. Details
9.21.2 Henan Chicheng Electric Co., Ltd. Major Business
9.21.3 Henan Chicheng Electric Co., Ltd. Smart Manhole Cover Sensor Product and Services
9.21.4 Henan Chicheng Electric Co., Ltd. Smart Manhole Cover Sensor Production, Price, Value, Gross Margin and Market Share (2021-2026)
9.21.5 Henan Chicheng Electric Co., Ltd. Recent Developments/Updates
9.21.6 Henan Chicheng Electric Co., Ltd. Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Smart Manhole Cover Sensor Industry Chain
10.2 Smart Manhole Cover Sensor Upstream Analysis
10.2.1 Smart Manhole Cover Sensor Core Raw Materials
10.2.2 Main Manufacturers of Smart Manhole Cover Sensor Core Raw Materials
10.3 Midstream Analysis
10.4 Downstream Analysis
10.5 Smart Manhole Cover Sensor Production Mode
10.6 Smart Manhole Cover Sensor Procurement Model
10.7 Smart Manhole Cover Sensor Industry Sales Model and Sales Channels
10.7.1 Smart Manhole Cover Sensor Sales Model
10.7.2 Smart Manhole Cover Sensor Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology
12.2 Research Process and Data Source
12.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. World Smart Manhole Cover Sensor Production Value by Region (2021, 2025 and 2032) & (USD Million)
Table 2. World Smart Manhole Cover Sensor Production Value by Region (2021-2026) & (USD Million)
Table 3. World Smart Manhole Cover Sensor Production Value by Region (2027-2032) & (USD Million)
Table 4. World Smart Manhole Cover Sensor Production Value Market Share by Region (2021-2026)
Table 5. World Smart Manhole Cover Sensor Production Value Market Share by Region (2027-2032)
Table 6. World Smart Manhole Cover Sensor Production by Region (2021-2026) & (Units)
Table 7. World Smart Manhole Cover Sensor Production by Region (2027-2032) & (Units)
Table 8. World Smart Manhole Cover Sensor Production Market Share by Region (2021-2026)
Table 9. World Smart Manhole Cover Sensor Production Market Share by Region (2027-2032)
Table 10. World Smart Manhole Cover Sensor Average Price by Region (2021-2026) & (US$/Unit)
Table 11. World Smart Manhole Cover Sensor Average Price by Region (2027-2032) & (US$/Unit)
Table 12. Smart Manhole Cover Sensor Major Market Trends
Table 13. World Smart Manhole Cover Sensor Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)
Table 14. World Smart Manhole Cover Sensor Consumption by Region (2021-2026) & (Units)
Table 15. World Smart Manhole Cover Sensor Consumption Forecast by Region (2027-2032) & (Units)
Table 16. World Smart Manhole Cover Sensor Production Value by Manufacturer (2021-2026) & (USD Million)
Table 17. Production Value Market Share of Key Smart Manhole Cover Sensor Producers in 2025
Table 18. World Smart Manhole Cover Sensor Production by Manufacturer (2021-2026) & (Units)

+357 96 030922
info@marketpublishers.com

Table 19. Production Market Share of Key Smart Manhole Cover Sensor Producers in 2025
Table 20. World Smart Manhole Cover Sensor Average Price by Manufacturer (2021-2026) & (US$/Unit)
Table 21. Global Smart Manhole Cover Sensor Company Evaluation Quadrant
Table 22. World Smart Manhole Cover Sensor Industry Rank of Major Manufacturers, Based on Production Value in 2025
Table 23. Head Office and Smart Manhole Cover Sensor Production Site of Key Manufacturer
Table 24. Smart Manhole Cover Sensor Market: Company Product Type Footprint
Table 25. Smart Manhole Cover Sensor Market: Company Product Application Footprint
Table 26. Smart Manhole Cover Sensor Competitive Factors
Table 27. Smart Manhole Cover Sensor New Entrant and Capacity Expansion Plans
Table 28. Smart Manhole Cover Sensor Mergers & Acquisitions Activity
Table 29. United States VS China Smart Manhole Cover Sensor Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China Smart Manhole Cover Sensor Production Comparison, (2021 & 2025 & 2032) & (Units)
Table 31. United States VS China Smart Manhole Cover Sensor Consumption Comparison, (2021 & 2025 & 2032) & (Units)
Table 32. United States Based Smart Manhole Cover Sensor Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Smart Manhole Cover Sensor Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers Smart Manhole Cover Sensor Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers Smart Manhole Cover Sensor Production (2021-2026) & (Units)
Table 36. United States Based Manufacturers Smart Manhole Cover Sensor Production Market Share (2021-2026)
Table 37. China Based Smart Manhole Cover Sensor Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Smart Manhole Cover Sensor Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers Smart Manhole Cover Sensor Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers Smart Manhole Cover Sensor Production, (2021-2026) & (Units)
Table 41. China Based Manufacturers Smart Manhole Cover Sensor Production Market

+357 96 030922
info@marketpublishers.com

Share (2021-2026)
Table 42. Rest of World Based Smart Manhole Cover Sensor Manufacturers, Headquarters and Production Site (State, Country)
Table 43. Rest of World Based Manufacturers Smart Manhole Cover Sensor Production Value, (2021-2026) & (USD Million)
Table 44. Rest of World Based Manufacturers Smart Manhole Cover Sensor Production Value Market Share (2021-2026)
Table 45. Rest of World Based Manufacturers Smart Manhole Cover Sensor Production, (2021-2026) & (Units)
Table 46. Rest of World Based Manufacturers Smart Manhole Cover Sensor Production Market Share (2021-2026)
Table 47. World Smart Manhole Cover Sensor Production Value by Type, (USD Million), 2021 & 2025 & 2032
Table 48. World Smart Manhole Cover Sensor Production by Type (2021-2026) & (Units)
Table 49. World Smart Manhole Cover Sensor Production by Type (2027-2032) & (Units)
Table 50. World Smart Manhole Cover Sensor Production Value by Type (2021-2026) & (USD Million)
Table 51. World Smart Manhole Cover Sensor Production Value by Type (2027-2032) & (USD Million)
Table 52. World Smart Manhole Cover Sensor Average Price by Type (2021-2026) & (US$/Unit)
Table 53. World Smart Manhole Cover Sensor Average Price by Type (2027-2032) & (US$/Unit)
Table 54. World Smart Manhole Cover Sensor Production Value by Sensor Technology, (USD Million), 2021 & 2025 & 2032
Table 55. World Smart Manhole Cover Sensor Production by Sensor Technology (2021-2026) & (Units)
Table 56. World Smart Manhole Cover Sensor Production by Sensor Technology (2027-2032) & (Units)
Table 57. World Smart Manhole Cover Sensor Production Value by Sensor Technology (2021-2026) & (USD Million)
Table 58. World Smart Manhole Cover Sensor Production Value by Sensor Technology (2027-2032) & (USD Million)
Table 59. World Smart Manhole Cover Sensor Average Price by Sensor Technology (2021-2026) & (US$/Unit)
Table 60. World Smart Manhole Cover Sensor Average Price by Sensor Technology (2027-2032) & (US$/Unit)

+357 96 030922
info@marketpublishers.com

Table 61. World Smart Manhole Cover Sensor Production Value by Power Supply Mode, (USD Million), 2021 & 2025 & 2032
Table 62. World Smart Manhole Cover Sensor Production by Power Supply Mode (2021-2026) & (Units)
Table 63. World Smart Manhole Cover Sensor Production by Power Supply Mode (2027-2032) & (Units)
Table 64. World Smart Manhole Cover Sensor Production Value by Power Supply Mode (2021-2026) & (USD Million)
Table 65. World Smart Manhole Cover Sensor Production Value by Power Supply Mode (2027-2032) & (USD Million)
Table 66. World Smart Manhole Cover Sensor Average Price by Power Supply Mode (2021-2026) & (US$/Unit)
Table 67. World Smart Manhole Cover Sensor Average Price by Power Supply Mode (2027-2032) & (US$/Unit)
Table 68. World Smart Manhole Cover Sensor Production Value by Application, (USD Million), 2021 & 2025 & 2032
Table 69. World Smart Manhole Cover Sensor Production by Application (2021-2026) & (Units)
Table 70. World Smart Manhole Cover Sensor Production by Application (2027-2032) & (Units)
Table 71. World Smart Manhole Cover Sensor Production Value by Application (2021-2026) & (USD Million)
Table 72. World Smart Manhole Cover Sensor Production Value by Application (2027-2032) & (USD Million)
Table 73. World Smart Manhole Cover Sensor Average Price by Application (2021-2026) & (US$/Unit)
Table 74. World Smart Manhole Cover Sensor Average Price by Application (2027-2032) & (US$/Unit)
Table 75. Badger Meter, Inc. Basic Information, Manufacturing Base and Competitors
Table 76. Badger Meter, Inc. Major Business
Table 77. Badger Meter, Inc. Smart Manhole Cover Sensor Product and Services
Table 78. Badger Meter, Inc. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 79. Badger Meter, Inc. Recent Developments/Updates
Table 80. Badger Meter, Inc. Competitive Strengths & Weaknesses
Table 81. Shanghai WPG Smart Water Public Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 82. Shanghai WPG Smart Water Public Co., Ltd. Major Business

+357 96 030922
info@marketpublishers.com

Table 83. Shanghai WPG Smart Water Public Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 84. Shanghai WPG Smart Water Public Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 85. Shanghai WPG Smart Water Public Co., Ltd. Recent Developments/Updates
Table 86. Shanghai WPG Smart Water Public Co., Ltd. Competitive Strengths & Weaknesses
Table 87. Zhejiang Heda Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 88. Zhejiang Heda Technology Co., Ltd. Major Business
Table 89. Zhejiang Heda Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 90. Zhejiang Heda Technology Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 91. Zhejiang Heda Technology Co., Ltd. Recent Developments/Updates
Table 92. Zhejiang Heda Technology Co., Ltd. Competitive Strengths & Weaknesses
Table 93. Xiamen Four-Faith Communication Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 94. Xiamen Four-Faith Communication Technology Co., Ltd. Major Business
Table 95. Xiamen Four-Faith Communication Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 96. Xiamen Four-Faith Communication Technology Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 97. Xiamen Four-Faith Communication Technology Co., Ltd. Recent Developments/Updates
Table 98. Xiamen Four-Faith Communication Technology Co., Ltd. Competitive Strengths & Weaknesses
Table 99. Beijing Dingtek Technology Corp., Ltd. Basic Information, Manufacturing Base and Competitors
Table 100. Beijing Dingtek Technology Corp., Ltd. Major Business
Table 101. Beijing Dingtek Technology Corp., Ltd. Smart Manhole Cover Sensor Product and Services
Table 102. Beijing Dingtek Technology Corp., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Beijing Dingtek Technology Corp., Ltd. Recent Developments/Updates

+357 96 030922
info@marketpublishers.com

Table 104. Beijing Dingtek Technology Corp., Ltd. Competitive Strengths & Weaknesses
Table 105. MOKO SMART Basic Information, Manufacturing Base and Competitors
Table 106. MOKO SMART Major Business
Table 107. MOKO SMART Smart Manhole Cover Sensor Product and Services
Table 108. MOKO SMART Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 109. MOKO SMART Recent Developments/Updates
Table 110. MOKO SMART Competitive Strengths & Weaknesses
Table 111. Xi?an Chinastar M&C Ltd. Basic Information, Manufacturing Base and Competitors
Table 112. Xi?an Chinastar M&C Ltd. Major Business
Table 113. Xi?an Chinastar M&C Ltd. Smart Manhole Cover Sensor Product and Services
Table 114. Xi?an Chinastar M&C Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Xi?an Chinastar M&C Ltd. Recent Developments/Updates
Table 116. Xi?an Chinastar M&C Ltd. Competitive Strengths & Weaknesses
Table 117. Shandong Renke Control Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 118. Shandong Renke Control Technology Co., Ltd. Major Business
Table 119. Shandong Renke Control Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 120. Shandong Renke Control Technology Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Shandong Renke Control Technology Co., Ltd. Recent Developments/Updates
Table 122. Shandong Renke Control Technology Co., Ltd. Competitive Strengths & Weaknesses
Table 123. Shanghai Renwei Electronic Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 124. Shanghai Renwei Electronic Technology Co., Ltd. Major Business
Table 125. Shanghai Renwei Electronic Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 126. Shanghai Renwei Electronic Technology Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross

+357 96 030922
info@marketpublishers.com

Margin and Market Share (2021-2026)
Table 127. Shanghai Renwei Electronic Technology Co., Ltd. Recent Developments/Updates
Table 128. Shanghai Renwei Electronic Technology Co., Ltd. Competitive Strengths & Weaknesses
Table 129. Gemtek Technology Inc. Basic Information, Manufacturing Base and Competitors
Table 130. Gemtek Technology Inc. Major Business
Table 131. Gemtek Technology Inc. Smart Manhole Cover Sensor Product and Services
Table 132. Gemtek Technology Inc. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. Gemtek Technology Inc. Recent Developments/Updates
Table 134. Gemtek Technology Inc. Competitive Strengths & Weaknesses
Table 135. CNIguard Ltd. Basic Information, Manufacturing Base and Competitors
Table 136. CNIguard Ltd. Major Business
Table 137. CNIguard Ltd. Smart Manhole Cover Sensor Product and Services
Table 138. CNIguard Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 139. CNIguard Ltd. Recent Developments/Updates
Table 140. CNIguard Ltd. Competitive Strengths & Weaknesses
Table 141. Hangzhou Dekerxi Intelligent Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 142. Hangzhou Dekerxi Intelligent Technology Co., Ltd. Major Business
Table 143. Hangzhou Dekerxi Intelligent Technology Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 144. Hangzhou Dekerxi Intelligent Technology Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 145. Hangzhou Dekerxi Intelligent Technology Co., Ltd. Recent Developments/Updates
Table 146. Hangzhou Dekerxi Intelligent Technology Co., Ltd. Competitive Strengths & Weaknesses
Table 147. Beijing Black Ant Energy Saving Technology Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 148. Beijing Black Ant Energy Saving Technology Co., Ltd. Major Business
Table 149. Beijing Black Ant Energy Saving Technology Co., Ltd. Smart Manhole Cover

+357 96 030922
info@marketpublishers.com

Sensor Product and Services
Table 150. Beijing Black Ant Energy Saving Technology Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 151. Beijing Black Ant Energy Saving Technology Co., Ltd. Recent Developments/Updates
Table 152. Beijing Black Ant Energy Saving Technology Co., Ltd. Competitive Strengths & Weaknesses
Table 153. NHR Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 154. NHR Co., Ltd. Major Business
Table 155. NHR Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 156. NHR Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 157. NHR Co., Ltd. Recent Developments/Updates
Table 158. NHR Co., Ltd. Competitive Strengths & Weaknesses
Table 159. X-LOGIC Basic Information, Manufacturing Base and Competitors
Table 160. X-LOGIC Major Business
Table 161. X-LOGIC Smart Manhole Cover Sensor Product and Services
Table 162. X-LOGIC Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 163. X-LOGIC Recent Developments/Updates
Table 164. X-LOGIC Competitive Strengths & Weaknesses
Table 165. Hocell Information Technologies (Shenzhen) Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 166. Hocell Information Technologies (Shenzhen) Co., Ltd. Major Business
Table 167. Hocell Information Technologies (Shenzhen) Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 168. Hocell Information Technologies (Shenzhen) Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 169. Hocell Information Technologies (Shenzhen) Co., Ltd. Recent Developments/Updates
Table 170. Hocell Information Technologies (Shenzhen) Co., Ltd. Competitive Strengths & Weaknesses
Table 171. Tangshan Pingsheng Electronic Technology Development Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 172. Tangshan Pingsheng Electronic Technology Development Co., Ltd. Major Business

+357 96 030922
info@marketpublishers.com

Table 173. Tangshan Pingsheng Electronic Technology Development Co., Ltd. Smart Manhole Cover Sensor Product and Services
Table 174. Tangshan Pingsheng Electronic Technology Development Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 175. Tangshan Pingsheng Electronic Technology Development Co., Ltd. Recent Developments/Updates
Table 176. Tangshan Pingsheng Electronic Technology Development Co., Ltd. Competitive Strengths & Weaknesses
Table 177. Mutelcor GmbH Basic Information, Manufacturing Base and Competitors
Table 178. Mutelcor GmbH Major Business
Table 179. Mutelcor GmbH Smart Manhole Cover Sensor Product and Services
Table 180. Mutelcor GmbH Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 181. Mutelcor GmbH Recent Developments/Updates
Table 182. Mutelcor GmbH Competitive Strengths & Weaknesses
Table 183. Ellenex Pty Ltd Basic Information, Manufacturing Base and Competitors
Table 184. Ellenex Pty Ltd Major Business
Table 185. Ellenex Pty Ltd Smart Manhole Cover Sensor Product and Services
Table 186. Ellenex Pty Ltd Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 187. Ellenex Pty Ltd Recent Developments/Updates
Table 188. Ellenex Pty Ltd Competitive Strengths & Weaknesses
Table 189. 2M Engineering B.V. Basic Information, Manufacturing Base and Competitors
Table 190. 2M Engineering B.V. Major Business
Table 191. 2M Engineering B.V. Smart Manhole Cover Sensor Product and Services
Table 192. 2M Engineering B.V. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 193. 2M Engineering B.V. Recent Developments/Updates
Table 194. 2M Engineering B.V. Competitive Strengths & Weaknesses
Table 195. Henan Chicheng Electric Co., Ltd. Basic Information, Manufacturing Base and Competitors
Table 196. Henan Chicheng Electric Co., Ltd. Major Business
Table 197. Henan Chicheng Electric Co., Ltd. Smart Manhole Cover Sensor Product and Services

+357 96 030922
info@marketpublishers.com

Table 198. Henan Chicheng Electric Co., Ltd. Smart Manhole Cover Sensor Production (Units), Price (US$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 199. Henan Chicheng Electric Co., Ltd. Recent Developments/Updates
Table 200. Henan Chicheng Electric Co., Ltd. Competitive Strengths & Weaknesses
Table 201. Global Key Players of Smart Manhole Cover Sensor Upstream (Raw Materials)
Table 202. Global Smart Manhole Cover Sensor Typical Customers
Table 203. Smart Manhole Cover Sensor Typical Distributors

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Smart Manhole Cover Sensor Picture
Figure 2. World Smart Manhole Cover Sensor Production Value: 2021 & 2025 & 2032, (USD Million)
Figure 3. World Smart Manhole Cover Sensor Production Value and Forecast (2021-2032) & (USD Million)
Figure 4. World Smart Manhole Cover Sensor Production (2021-2032) & (Units)
Figure 5. World Smart Manhole Cover Sensor Average Price (2021-2032) & (US$/Unit)
Figure 6. World Smart Manhole Cover Sensor Production Value Market Share by Region (2021-2032)
Figure 7. World Smart Manhole Cover Sensor Production Market Share by Region (2021-2032)
Figure 8. China Smart Manhole Cover Sensor Production (2021-2032) & (Units)
Figure 9. North America Smart Manhole Cover Sensor Production (2021-2032) & (Units)
Figure 10. Europe Smart Manhole Cover Sensor Production (2021-2032) & (Units)
Figure 11. Australia Smart Manhole Cover Sensor Production (2021-2032) & (Units)
Figure 12. Smart Manhole Cover Sensor Market Drivers
Figure 13. Factors Affecting Demand
Figure 14. World Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 15. World Smart Manhole Cover Sensor Consumption Market Share by Region (2021-2032)
Figure 16. United States Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 17. China Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 18. Europe Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 19. Japan Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 20. South Korea Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 21. ASEAN Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 22. India Smart Manhole Cover Sensor Consumption (2021-2032) & (Units)
Figure 23. Producer Shipments of Smart Manhole Cover Sensor by Manufacturer Revenue ($MM) and Market Share (%): 2025
Figure 24. Global Four-firm Concentration Ratios (CR4) for Smart Manhole Cover Sensor Markets in 2025
Figure 25. Global Four-firm Concentration Ratios (CR8) for Smart Manhole Cover

+357 96 030922
info@marketpublishers.com

Sensor Markets in 2025
Figure 26. United States VS China: Smart Manhole Cover Sensor Production Value Market Share Comparison (2021 & 2025 & 2032)
Figure 27. United States VS China: Smart Manhole Cover Sensor Production Market Share Comparison (2021 & 2025 & 2032)
Figure 28. United States VS China: Smart Manhole Cover Sensor Consumption Market Share Comparison (2021 & 2025 & 2032)
Figure 29. United States Based Manufacturers Smart Manhole Cover Sensor Production Market Share 2025
Figure 30. China Based Manufacturers Smart Manhole Cover Sensor Production Market Share 2025
Figure 31. Rest of World Based Manufacturers Smart Manhole Cover Sensor Production Market Share 2025
Figure 32. World Smart Manhole Cover Sensor Production Value by Type, (USD Million), 2021 & 2025 & 2032
Figure 33. World Smart Manhole Cover Sensor Production Value Market Share by Type in 2025
Figure 34. No Water Level Monitoring
Figure 35. With Water Level Monitoring
Figure 36. World Smart Manhole Cover Sensor Production Market Share by Type (2021-2032)
Figure 37. World Smart Manhole Cover Sensor Production Value Market Share by Type (2021-2032)
Figure 38. World Smart Manhole Cover Sensor Average Price by Type (2021-2032) & (US$/Unit)
Figure 39. World Smart Manhole Cover Sensor Production Value by Sensor Technology, (USD Million), 2021 & 2025 & 2032
Figure 40. World Smart Manhole Cover Sensor Production Value Market Share by Sensor Technology in 2025
Figure 41. Tilt / Accelerometer Sensing
Figure 42. Magnetic / Contact Sensing
Figure 43. Electrochemical / Catalytic Gas Sensing
Figure 44. Other
Figure 45. World Smart Manhole Cover Sensor Production Market Share by Sensor Technology (2021-2032)
Figure 46. World Smart Manhole Cover Sensor Production Value Market Share by Sensor Technology (2021-2032)
Figure 47. World Smart Manhole Cover Sensor Average Price by Sensor Technology (2021-2032) & (US$/Unit)

+357 96 030922
info@marketpublishers.com

Figure 48. World Smart Manhole Cover Sensor Production Value by Power Supply Mode, (USD Million), 2021 & 2025 & 2032
Figure 49. World Smart Manhole Cover Sensor Production Value Market Share by Power Supply Mode in 2025
Figure 50. Battery-powered
Figure 51. External Power Supply
Figure 52. Other
Figure 53. World Smart Manhole Cover Sensor Production Market Share by Power Supply Mode (2021-2032)
Figure 54. World Smart Manhole Cover Sensor Production Value Market Share by Power Supply Mode (2021-2032)
Figure 55. World Smart Manhole Cover Sensor Average Price by Power Supply Mode (2021-2032) & (US$/Unit)
Figure 56. World Smart Manhole Cover Sensor Production Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 57. World Smart Manhole Cover Sensor Production Value Market Share by Application in 2025
Figure 58. Cover Loss and Displacement Detection
Figure 59. Unauthorized Opening Detection
Figure 60. Waterlogging and Overflow Warning
Figure 61. Gas Safety Monitoring
Figure 62. Other
Figure 63. World Smart Manhole Cover Sensor Production Market Share by Application (2021-2032)
Figure 64. World Smart Manhole Cover Sensor Production Value Market Share by Application (2021-2032)
Figure 65. World Smart Manhole Cover Sensor Average Price by Application (2021-2032) & (US$/Unit)
Figure 66. Smart Manhole Cover Sensor Industry Chain
Figure 67. Smart Manhole Cover Sensor Procurement Model
Figure 68. Smart Manhole Cover Sensor Sales Model
Figure 69. Smart Manhole Cover Sensor Sales Channels, Direct Sales, and Distribution
Figure 70. Methodology
Figure 71. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Smart Manhole Cover Sensor Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/GE2539E6FBB5EN.html

Price: US$ 4,480.00 (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/GE2539E6FBB5EN.html