

# Global LoRa-based Manhole Detector Market Growth 2023-2029

<https://marketpublishers.com/r/GE80C2F2FFCDEN.html>

Date: June 2023

Pages: 103

Price: US\$ 3,660.00 (Single User License)

ID: GE80C2F2FFCDEN

## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global LoRa-based Manhole Detector market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for LoRa-based Manhole Detector is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for LoRa-based Manhole Detector is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for LoRa-based Manhole Detector is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key LoRa-based Manhole Detector players cover Mutelcor, MOKOSmart, Browan Communications, NetOP Technology, SYL Technologies, Filippetti, X-Logic, Rayonics and Hocell Information Technologies, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

LPI (LP Information)' newest research report, the "LoRa-based Manhole Detector Industry Forecast" looks at past sales and reviews total world LoRa-based Manhole Detector sales in 2022, providing a comprehensive analysis by region and market sector of projected LoRa-based Manhole Detector sales for 2023 through 2029. With LoRa-based Manhole Detector sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world LoRa-based

## Manhole Detector industry.

This Insight Report provides a comprehensive analysis of the global LoRa-based Manhole Detector landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on LoRa-based Manhole Detector portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global LoRa-based Manhole Detector market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for LoRa-based Manhole Detector and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global LoRa-based Manhole Detector.

This report presents a comprehensive overview, market shares, and growth opportunities of LoRa-based Manhole Detector market by product type, application, key manufacturers and key regions and countries.

### Market Segmentation:

#### Segmentation by type

Wireless Detector

Wired Detector

#### Segmentation by application

Municipalities

Electricity

Communication

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Mutelcor

MOKOSmart

Browan Communications

NetOP Technology

SYL Technologies

Filippetti

X-Logic

Rayonics

Hocell Information Technologies

WiiMOC

## Milesight

### Key Questions Addressed in this Report

What is the 10-year outlook for the global LoRa-based Manhole Detector market?

What factors are driving LoRa-based Manhole Detector market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do LoRa-based Manhole Detector market opportunities vary by end market size?

How does LoRa-based Manhole Detector break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

## Contents

### **1 SCOPE OF THE REPORT**

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global LoRa-based Manhole Detector Annual Sales 2018-2029
  - 2.1.2 World Current & Future Analysis for LoRa-based Manhole Detector by Geographic Region, 2018, 2022 & 2029
  - 2.1.3 World Current & Future Analysis for LoRa-based Manhole Detector by Country/Region, 2018, 2022 & 2029
- 2.2 LoRa-based Manhole Detector Segment by Type
  - 2.2.1 Wireless Detector
  - 2.2.2 Wired Detector
- 2.3 LoRa-based Manhole Detector Sales by Type
  - 2.3.1 Global LoRa-based Manhole Detector Sales Market Share by Type (2018-2023)
  - 2.3.2 Global LoRa-based Manhole Detector Revenue and Market Share by Type (2018-2023)
  - 2.3.3 Global LoRa-based Manhole Detector Sale Price by Type (2018-2023)
- 2.4 LoRa-based Manhole Detector Segment by Application
  - 2.4.1 Municipalities
  - 2.4.2 Electricity
  - 2.4.3 Communication
  - 2.4.4 Others
- 2.5 LoRa-based Manhole Detector Sales by Application
  - 2.5.1 Global LoRa-based Manhole Detector Sale Market Share by Application (2018-2023)
  - 2.5.2 Global LoRa-based Manhole Detector Revenue and Market Share by Application (2018-2023)

2.5.3 Global LoRa-based Manhole Detector Sale Price by Application (2018-2023)

### **3 GLOBAL LORA-BASED MANHOLE DETECTOR BY COMPANY**

3.1 Global LoRa-based Manhole Detector Breakdown Data by Company

3.1.1 Global LoRa-based Manhole Detector Annual Sales by Company (2018-2023)

3.1.2 Global LoRa-based Manhole Detector Sales Market Share by Company (2018-2023)

3.2 Global LoRa-based Manhole Detector Annual Revenue by Company (2018-2023)

3.2.1 Global LoRa-based Manhole Detector Revenue by Company (2018-2023)

3.2.2 Global LoRa-based Manhole Detector Revenue Market Share by Company (2018-2023)

3.3 Global LoRa-based Manhole Detector Sale Price by Company

3.4 Key Manufacturers LoRa-based Manhole Detector Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers LoRa-based Manhole Detector Product Location Distribution

3.4.2 Players LoRa-based Manhole Detector Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR LORA-BASED MANHOLE DETECTOR BY GEOGRAPHIC REGION**

4.1 World Historic LoRa-based Manhole Detector Market Size by Geographic Region (2018-2023)

4.1.1 Global LoRa-based Manhole Detector Annual Sales by Geographic Region (2018-2023)

4.1.2 Global LoRa-based Manhole Detector Annual Revenue by Geographic Region (2018-2023)

4.2 World Historic LoRa-based Manhole Detector Market Size by Country/Region (2018-2023)

4.2.1 Global LoRa-based Manhole Detector Annual Sales by Country/Region (2018-2023)

4.2.2 Global LoRa-based Manhole Detector Annual Revenue by Country/Region (2018-2023)

4.3 Americas LoRa-based Manhole Detector Sales Growth

- 4.4 APAC LoRa-based Manhole Detector Sales Growth
- 4.5 Europe LoRa-based Manhole Detector Sales Growth
- 4.6 Middle East & Africa LoRa-based Manhole Detector Sales Growth

## **5 AMERICAS**

- 5.1 Americas LoRa-based Manhole Detector Sales by Country
  - 5.1.1 Americas LoRa-based Manhole Detector Sales by Country (2018-2023)
  - 5.1.2 Americas LoRa-based Manhole Detector Revenue by Country (2018-2023)
- 5.2 Americas LoRa-based Manhole Detector Sales by Type
- 5.3 Americas LoRa-based Manhole Detector Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC LoRa-based Manhole Detector Sales by Region
  - 6.1.1 APAC LoRa-based Manhole Detector Sales by Region (2018-2023)
  - 6.1.2 APAC LoRa-based Manhole Detector Revenue by Region (2018-2023)
- 6.2 APAC LoRa-based Manhole Detector Sales by Type
- 6.3 APAC LoRa-based Manhole Detector Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe LoRa-based Manhole Detector by Country
  - 7.1.1 Europe LoRa-based Manhole Detector Sales by Country (2018-2023)
  - 7.1.2 Europe LoRa-based Manhole Detector Revenue by Country (2018-2023)
- 7.2 Europe LoRa-based Manhole Detector Sales by Type
- 7.3 Europe LoRa-based Manhole Detector Sales by Application
- 7.4 Germany



- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa LoRa-based Manhole Detector by Country
  - 8.1.1 Middle East & Africa LoRa-based Manhole Detector Sales by Country (2018-2023)
  - 8.1.2 Middle East & Africa LoRa-based Manhole Detector Revenue by Country (2018-2023)
- 8.2 Middle East & Africa LoRa-based Manhole Detector Sales by Type
- 8.3 Middle East & Africa LoRa-based Manhole Detector Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of LoRa-based Manhole Detector
- 10.3 Manufacturing Process Analysis of LoRa-based Manhole Detector
- 10.4 Industry Chain Structure of LoRa-based Manhole Detector

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 LoRa-based Manhole Detector Distributors

### 11.3 LoRa-based Manhole Detector Customer

## **12 WORLD FORECAST REVIEW FOR LORA-BASED MANHOLE DETECTOR BY GEOGRAPHIC REGION**

### 12.1 Global LoRa-based Manhole Detector Market Size Forecast by Region

#### 12.1.1 Global LoRa-based Manhole Detector Forecast by Region (2024-2029)

#### 12.1.2 Global LoRa-based Manhole Detector Annual Revenue Forecast by Region (2024-2029)

### 12.2 Americas Forecast by Country

### 12.3 APAC Forecast by Region

### 12.4 Europe Forecast by Country

### 12.5 Middle East & Africa Forecast by Country

### 12.6 Global LoRa-based Manhole Detector Forecast by Type

### 12.7 Global LoRa-based Manhole Detector Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Mutelcor

#### 13.1.1 Mutelcor Company Information

#### 13.1.2 Mutelcor LoRa-based Manhole Detector Product Portfolios and Specifications

#### 13.1.3 Mutelcor LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)

#### 13.1.4 Mutelcor Main Business Overview

#### 13.1.5 Mutelcor Latest Developments

### 13.2 MOKOSmart

#### 13.2.1 MOKOSmart Company Information

#### 13.2.2 MOKOSmart LoRa-based Manhole Detector Product Portfolios and Specifications

#### 13.2.3 MOKOSmart LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)

#### 13.2.4 MOKOSmart Main Business Overview

#### 13.2.5 MOKOSmart Latest Developments

### 13.3 Browan Communications

#### 13.3.1 Browan Communications Company Information

#### 13.3.2 Browan Communications LoRa-based Manhole Detector Product Portfolios and Specifications

#### 13.3.3 Browan Communications LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)

- 13.3.4 Browan Communications Main Business Overview
- 13.3.5 Browan Communications Latest Developments
- 13.4 NetOP Technology
  - 13.4.1 NetOP Technology Company Information
  - 13.4.2 NetOP Technology LoRa-based Manhole Detector Product Portfolios and Specifications
  - 13.4.3 NetOP Technology LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.4.4 NetOP Technology Main Business Overview
  - 13.4.5 NetOP Technology Latest Developments
- 13.5 SYL Technologies
  - 13.5.1 SYL Technologies Company Information
  - 13.5.2 SYL Technologies LoRa-based Manhole Detector Product Portfolios and Specifications
  - 13.5.3 SYL Technologies LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.5.4 SYL Technologies Main Business Overview
  - 13.5.5 SYL Technologies Latest Developments
- 13.6 Filippetti
  - 13.6.1 Filippetti Company Information
  - 13.6.2 Filippetti LoRa-based Manhole Detector Product Portfolios and Specifications
  - 13.6.3 Filippetti LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.6.4 Filippetti Main Business Overview
  - 13.6.5 Filippetti Latest Developments
- 13.7 X-Logic
  - 13.7.1 X-Logic Company Information
  - 13.7.2 X-Logic LoRa-based Manhole Detector Product Portfolios and Specifications
  - 13.7.3 X-Logic LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.7.4 X-Logic Main Business Overview
  - 13.7.5 X-Logic Latest Developments
- 13.8 Rayonics
  - 13.8.1 Rayonics Company Information
  - 13.8.2 Rayonics LoRa-based Manhole Detector Product Portfolios and Specifications
  - 13.8.3 Rayonics LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.8.4 Rayonics Main Business Overview
  - 13.8.5 Rayonics Latest Developments

## 13.9 Hocell Information Technologies

### 13.9.1 Hocell Information Technologies Company Information

### 13.9.2 Hocell Information Technologies LoRa-based Manhole Detector Product Portfolios and Specifications

### 13.9.3 Hocell Information Technologies LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.9.4 Hocell Information Technologies Main Business Overview

### 13.9.5 Hocell Information Technologies Latest Developments

## 13.10 WiiMOC

### 13.10.1 WiiMOC Company Information

### 13.10.2 WiiMOC LoRa-based Manhole Detector Product Portfolios and Specifications

### 13.10.3 WiiMOC LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.10.4 WiiMOC Main Business Overview

### 13.10.5 WiiMOC Latest Developments

## 13.11 Milesight

### 13.11.1 Milesight Company Information

### 13.11.2 Milesight LoRa-based Manhole Detector Product Portfolios and Specifications

### 13.11.3 Milesight LoRa-based Manhole Detector Sales, Revenue, Price and Gross Margin (2018-2023)

### 13.11.4 Milesight Main Business Overview

### 13.11.5 Milesight Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. LoRa-based Manhole Detector Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. LoRa-based Manhole Detector Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Wireless Detector

Table 4. Major Players of Wired Detector

Table 5. Global LoRa-based Manhole Detector Sales by Type (2018-2023) & (K Units)

Table 6. Global LoRa-based Manhole Detector Sales Market Share by Type (2018-2023)

Table 7. Global LoRa-based Manhole Detector Revenue by Type (2018-2023) & (\$ million)

Table 8. Global LoRa-based Manhole Detector Revenue Market Share by Type (2018-2023)

Table 9. Global LoRa-based Manhole Detector Sale Price by Type (2018-2023) & (US\$/Unit)

Table 10. Global LoRa-based Manhole Detector Sales by Application (2018-2023) & (K Units)

Table 11. Global LoRa-based Manhole Detector Sales Market Share by Application (2018-2023)

Table 12. Global LoRa-based Manhole Detector Revenue by Application (2018-2023)

Table 13. Global LoRa-based Manhole Detector Revenue Market Share by Application (2018-2023)

Table 14. Global LoRa-based Manhole Detector Sale Price by Application (2018-2023) & (US\$/Unit)

Table 15. Global LoRa-based Manhole Detector Sales by Company (2018-2023) & (K Units)

Table 16. Global LoRa-based Manhole Detector Sales Market Share by Company (2018-2023)

Table 17. Global LoRa-based Manhole Detector Revenue by Company (2018-2023) (\$ Millions)

Table 18. Global LoRa-based Manhole Detector Revenue Market Share by Company (2018-2023)

Table 19. Global LoRa-based Manhole Detector Sale Price by Company (2018-2023) & (US\$/Unit)

Table 20. Key Manufacturers LoRa-based Manhole Detector Producing Area

## Distribution and Sales Area

Table 21. Players LoRa-based Manhole Detector Products Offered

Table 22. LoRa-based Manhole Detector Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global LoRa-based Manhole Detector Sales by Geographic Region (2018-2023) & (K Units)

Table 26. Global LoRa-based Manhole Detector Sales Market Share Geographic Region (2018-2023)

Table 27. Global LoRa-based Manhole Detector Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 28. Global LoRa-based Manhole Detector Revenue Market Share by Geographic Region (2018-2023)

Table 29. Global LoRa-based Manhole Detector Sales by Country/Region (2018-2023) & (K Units)

Table 30. Global LoRa-based Manhole Detector Sales Market Share by Country/Region (2018-2023)

Table 31. Global LoRa-based Manhole Detector Revenue by Country/Region (2018-2023) & (\$ millions)

Table 32. Global LoRa-based Manhole Detector Revenue Market Share by Country/Region (2018-2023)

Table 33. Americas LoRa-based Manhole Detector Sales by Country (2018-2023) & (K Units)

Table 34. Americas LoRa-based Manhole Detector Sales Market Share by Country (2018-2023)

Table 35. Americas LoRa-based Manhole Detector Revenue by Country (2018-2023) & (\$ Millions)

Table 36. Americas LoRa-based Manhole Detector Revenue Market Share by Country (2018-2023)

Table 37. Americas LoRa-based Manhole Detector Sales by Type (2018-2023) & (K Units)

Table 38. Americas LoRa-based Manhole Detector Sales by Application (2018-2023) & (K Units)

Table 39. APAC LoRa-based Manhole Detector Sales by Region (2018-2023) & (K Units)

Table 40. APAC LoRa-based Manhole Detector Sales Market Share by Region (2018-2023)

Table 41. APAC LoRa-based Manhole Detector Revenue by Region (2018-2023) & (\$

Millions)

Table 42. APAC LoRa-based Manhole Detector Revenue Market Share by Region (2018-2023)

Table 43. APAC LoRa-based Manhole Detector Sales by Type (2018-2023) & (K Units)

Table 44. APAC LoRa-based Manhole Detector Sales by Application (2018-2023) & (K Units)

Table 45. Europe LoRa-based Manhole Detector Sales by Country (2018-2023) & (K Units)

Table 46. Europe LoRa-based Manhole Detector Sales Market Share by Country (2018-2023)

Table 47. Europe LoRa-based Manhole Detector Revenue by Country (2018-2023) & (\$ Millions)

Table 48. Europe LoRa-based Manhole Detector Revenue Market Share by Country (2018-2023)

Table 49. Europe LoRa-based Manhole Detector Sales by Type (2018-2023) & (K Units)

Table 50. Europe LoRa-based Manhole Detector Sales by Application (2018-2023) & (K Units)

Table 51. Middle East & Africa LoRa-based Manhole Detector Sales by Country (2018-2023) & (K Units)

Table 52. Middle East & Africa LoRa-based Manhole Detector Sales Market Share by Country (2018-2023)

Table 53. Middle East & Africa LoRa-based Manhole Detector Revenue by Country (2018-2023) & (\$ Millions)

Table 54. Middle East & Africa LoRa-based Manhole Detector Revenue Market Share by Country (2018-2023)

Table 55. Middle East & Africa LoRa-based Manhole Detector Sales by Type (2018-2023) & (K Units)

Table 56. Middle East & Africa LoRa-based Manhole Detector Sales by Application (2018-2023) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of LoRa-based Manhole Detector

Table 58. Key Market Challenges & Risks of LoRa-based Manhole Detector

Table 59. Key Industry Trends of LoRa-based Manhole Detector

Table 60. LoRa-based Manhole Detector Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. LoRa-based Manhole Detector Distributors List

Table 63. LoRa-based Manhole Detector Customer List

Table 64. Global LoRa-based Manhole Detector Sales Forecast by Region (2024-2029) & (K Units)

- Table 65. Global LoRa-based Manhole Detector Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 66. Americas LoRa-based Manhole Detector Sales Forecast by Country (2024-2029) & (K Units)
- Table 67. Americas LoRa-based Manhole Detector Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 68. APAC LoRa-based Manhole Detector Sales Forecast by Region (2024-2029) & (K Units)
- Table 69. APAC LoRa-based Manhole Detector Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 70. Europe LoRa-based Manhole Detector Sales Forecast by Country (2024-2029) & (K Units)
- Table 71. Europe LoRa-based Manhole Detector Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 72. Middle East & Africa LoRa-based Manhole Detector Sales Forecast by Country (2024-2029) & (K Units)
- Table 73. Middle East & Africa LoRa-based Manhole Detector Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 74. Global LoRa-based Manhole Detector Sales Forecast by Type (2024-2029) & (K Units)
- Table 75. Global LoRa-based Manhole Detector Revenue Forecast by Type (2024-2029) & (\$ Millions)
- Table 76. Global LoRa-based Manhole Detector Sales Forecast by Application (2024-2029) & (K Units)
- Table 77. Global LoRa-based Manhole Detector Revenue Forecast by Application (2024-2029) & (\$ Millions)
- Table 78. Mutelcor Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors
- Table 79. Mutelcor LoRa-based Manhole Detector Product Portfolios and Specifications
- Table 80. Mutelcor LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 81. Mutelcor Main Business
- Table 82. Mutelcor Latest Developments
- Table 83. MOKOSmart Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors
- Table 84. MOKOSmart LoRa-based Manhole Detector Product Portfolios and Specifications
- Table 85. MOKOSmart LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)



Table 86. MOKOSmart Main Business

Table 87. MOKOSmart Latest Developments

Table 88. Browan Communications Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 89. Browan Communications LoRa-based Manhole Detector Product Portfolios and Specifications

Table 90. Browan Communications LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 91. Browan Communications Main Business

Table 92. Browan Communications Latest Developments

Table 93. NetOP Technology Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 94. NetOP Technology LoRa-based Manhole Detector Product Portfolios and Specifications

Table 95. NetOP Technology LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 96. NetOP Technology Main Business

Table 97. NetOP Technology Latest Developments

Table 98. SYL Technologies Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 99. SYL Technologies LoRa-based Manhole Detector Product Portfolios and Specifications

Table 100. SYL Technologies LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 101. SYL Technologies Main Business

Table 102. SYL Technologies Latest Developments

Table 103. Filippetti Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 104. Filippetti LoRa-based Manhole Detector Product Portfolios and Specifications

Table 105. Filippetti LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 106. Filippetti Main Business

Table 107. Filippetti Latest Developments

Table 108. X-Logic Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 109. X-Logic LoRa-based Manhole Detector Product Portfolios and Specifications

Table 110. X-Logic LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 111. X-Logic Main Business

Table 112. X-Logic Latest Developments

Table 113. Rayonics Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 114. Rayonics LoRa-based Manhole Detector Product Portfolios and Specifications

Table 115. Rayonics LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 116. Rayonics Main Business

Table 117. Rayonics Latest Developments

Table 118. Hocell Information Technologies Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 119. Hocell Information Technologies LoRa-based Manhole Detector Product Portfolios and Specifications

Table 120. Hocell Information Technologies LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 121. Hocell Information Technologies Main Business

Table 122. Hocell Information Technologies Latest Developments

Table 123. WiiMOC Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 124. WiiMOC LoRa-based Manhole Detector Product Portfolios and Specifications

Table 125. WiiMOC LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 126. WiiMOC Main Business

Table 127. WiiMOC Latest Developments

Table 128. Milesight Basic Information, LoRa-based Manhole Detector Manufacturing Base, Sales Area and Its Competitors

Table 129. Milesight LoRa-based Manhole Detector Product Portfolios and Specifications

Table 130. Milesight LoRa-based Manhole Detector Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 131. Milesight Main Business

Table 132. Milesight Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of LoRa-based Manhole Detector
- Figure 2. LoRa-based Manhole Detector Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global LoRa-based Manhole Detector Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global LoRa-based Manhole Detector Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. LoRa-based Manhole Detector Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Wireless Detector
- Figure 10. Product Picture of Wired Detector
- Figure 11. Global LoRa-based Manhole Detector Sales Market Share by Type in 2022
- Figure 12. Global LoRa-based Manhole Detector Revenue Market Share by Type (2018-2023)
- Figure 13. LoRa-based Manhole Detector Consumed in Municipalities
- Figure 14. Global LoRa-based Manhole Detector Market: Municipalities (2018-2023) & (K Units)
- Figure 15. LoRa-based Manhole Detector Consumed in Electricity
- Figure 16. Global LoRa-based Manhole Detector Market: Electricity (2018-2023) & (K Units)
- Figure 17. LoRa-based Manhole Detector Consumed in Communication
- Figure 18. Global LoRa-based Manhole Detector Market: Communication (2018-2023) & (K Units)
- Figure 19. LoRa-based Manhole Detector Consumed in Others
- Figure 20. Global LoRa-based Manhole Detector Market: Others (2018-2023) & (K Units)
- Figure 21. Global LoRa-based Manhole Detector Sales Market Share by Application (2022)
- Figure 22. Global LoRa-based Manhole Detector Revenue Market Share by Application in 2022
- Figure 23. LoRa-based Manhole Detector Sales Market by Company in 2022 (K Units)
- Figure 24. Global LoRa-based Manhole Detector Sales Market Share by Company in 2022
- Figure 25. LoRa-based Manhole Detector Revenue Market by Company in 2022 (\$

Million)

Figure 26. Global LoRa-based Manhole Detector Revenue Market Share by Company in 2022

Figure 27. Global LoRa-based Manhole Detector Sales Market Share by Geographic Region (2018-2023)

Figure 28. Global LoRa-based Manhole Detector Revenue Market Share by Geographic Region in 2022

Figure 29. Americas LoRa-based Manhole Detector Sales 2018-2023 (K Units)

Figure 30. Americas LoRa-based Manhole Detector Revenue 2018-2023 (\$ Millions)

Figure 31. APAC LoRa-based Manhole Detector Sales 2018-2023 (K Units)

Figure 32. APAC LoRa-based Manhole Detector Revenue 2018-2023 (\$ Millions)

Figure 33. Europe LoRa-based Manhole Detector Sales 2018-2023 (K Units)

Figure 34. Europe LoRa-based Manhole Detector Revenue 2018-2023 (\$ Millions)

Figure 35. Middle East & Africa LoRa-based Manhole Detector Sales 2018-2023 (K Units)

Figure 36. Middle East & Africa LoRa-based Manhole Detector Revenue 2018-2023 (\$ Millions)

Figure 37. Americas LoRa-based Manhole Detector Sales Market Share by Country in 2022

Figure 38. Americas LoRa-based Manhole Detector Revenue Market Share by Country in 2022

Figure 39. Americas LoRa-based Manhole Detector Sales Market Share by Type (2018-2023)

Figure 40. Americas LoRa-based Manhole Detector Sales Market Share by Application (2018-2023)

Figure 41. United States LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 42. Canada LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 43. Mexico LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 44. Brazil LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 45. APAC LoRa-based Manhole Detector Sales Market Share by Region in 2022

Figure 46. APAC LoRa-based Manhole Detector Revenue Market Share by Regions in 2022

Figure 47. APAC LoRa-based Manhole Detector Sales Market Share by Type (2018-2023)

Figure 48. APAC LoRa-based Manhole Detector Sales Market Share by Application

(2018-2023)

Figure 49. China LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 50. Japan LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 51. South Korea LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 52. Southeast Asia LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 53. India LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 54. Australia LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 55. China Taiwan LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 56. Europe LoRa-based Manhole Detector Sales Market Share by Country in 2022

Figure 57. Europe LoRa-based Manhole Detector Revenue Market Share by Country in 2022

Figure 58. Europe LoRa-based Manhole Detector Sales Market Share by Type (2018-2023)

Figure 59. Europe LoRa-based Manhole Detector Sales Market Share by Application (2018-2023)

Figure 60. Germany LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 61. France LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 62. UK LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 63. Italy LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 64. Russia LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 65. Middle East & Africa LoRa-based Manhole Detector Sales Market Share by Country in 2022

Figure 66. Middle East & Africa LoRa-based Manhole Detector Revenue Market Share by Country in 2022

Figure 67. Middle East & Africa LoRa-based Manhole Detector Sales Market Share by Type (2018-2023)

Figure 68. Middle East & Africa LoRa-based Manhole Detector Sales Market Share by Application (2018-2023)

Figure 69. Egypt LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$

Millions)

Figure 70. South Africa LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 71. Israel LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 72. Turkey LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 73. GCC Country LoRa-based Manhole Detector Revenue Growth 2018-2023 (\$ Millions)

Figure 74. Manufacturing Cost Structure Analysis of LoRa-based Manhole Detector in 2022

Figure 75. Manufacturing Process Analysis of LoRa-based Manhole Detector

Figure 76. Industry Chain Structure of LoRa-based Manhole Detector

Figure 77. Channels of Distribution

Figure 78. Global LoRa-based Manhole Detector Sales Market Forecast by Region (2024-2029)

Figure 79. Global LoRa-based Manhole Detector Revenue Market Share Forecast by Region (2024-2029)

Figure 80. Global LoRa-based Manhole Detector Sales Market Share Forecast by Type (2024-2029)

Figure 81. Global LoRa-based Manhole Detector Revenue Market Share Forecast by Type (2024-2029)

Figure 82. Global LoRa-based Manhole Detector Sales Market Share Forecast by Application (2024-2029)

Figure 83. Global LoRa-based Manhole Detector Revenue Market Share Forecast by Application (2024-2029)

## I would like to order

Product name: Global LoRa-based Manhole Detector Market Growth 2023-2029

Product link: <https://marketpublishers.com/r/GE80C2F2FFCDEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE80C2F2FFCDEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970