

Global Hazardous Detection Robotics Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G90F5B6358C7EN.html>

Date: June 2026

Pages: 154

Price: US\$ 4,480.00 (Single User License)

ID: G90F5B6358C7EN

Abstracts

The global Hazardous Detection Robotics market size is expected to reach \$ 5730 million by 2032, rising at a market growth of 11.9% CAGR during the forecast period (2026-2032).

In 2025, global Hazardous Detection Robotics production reached approximately 50 K units, with an average global market price of around US\$ 50,000 per unit. Annual production capacity is 60 K units. Gross Profit Margin: 35%. Hazardous Detection Robotics refers to specialized robotic systems designed to identify, monitor, and assess dangerous environments involving chemical, biological, radiological, nuclear (CBRN), explosive, or otherwise toxic threats without exposing human operators to risk. The hazardous detection robotics industry chain consists of an upstream segment that supplies core materials and components such as advanced sensors (gas, radiation, chemical, infrared), semiconductor chips, AI processors, precision mechanical parts, and ruggedized batteries; a midstream segment dominated by system integrators and robotics manufacturers that design and assemble mobile platforms (UGV/UAV/UMV), integrate multi-sensor detection payloads, and develop autonomous navigation and data fusion software; and a downstream segment comprising end-users such as defense forces, nuclear facilities, oil & gas companies, chemical plants, environmental agencies, and emergency response organizations, where these systems are deployed for real-time hazard detection, safety monitoring, and risk mitigation in high-risk operational environments.

This report studies the global Hazardous Detection Robotics production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hazardous

Detection Robotics 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 Hazardous Detection Robotics that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hazardous Detection Robotics total production and demand, 2021-2032, (Units)

Global Hazardous Detection Robotics total production value, 2021-2032, (USD Million)

Global Hazardous Detection Robotics production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Hazardous Detection Robotics consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Hazardous Detection Robotics domestic production, consumption, key domestic manufacturers and share

Global Hazardous Detection Robotics production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Hazardous Detection Robotics production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Hazardous Detection Robotics production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Hazardous Detection Robotics 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 L3Harris Technologies, Northrop Grumman, QinetiQ, Teledyne Technologies / Teledyne FLIR, Lockheed Martin, General Dynamics, BAE Systems, Thales Group, Rheinmetall, Leonardo, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Hazardous Detection Robotics 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 Hazardous Detection Robotics Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Hazardous Detection Robotics Market, Segmentation by Type:

Ground-Based Robots (UGV)

Aerial Robots (UAV)

Maritime / Underwater Robots (UMV)

Multi-Domain Robotic Systems (Air–Ground / Air–Sea Integration)

Global Hazardous Detection Robotics Market, Segmentation by Autonomy Level:

Remote-Controlled Systems

Semi-Autonomous Systems (AI-Assisted Navigation & Sensing)

Fully Autonomous Systems (AI-Driven Decision-Making)

Global Hazardous Detection Robotics Market, Segmentation by Payload Capacity:

Lightweight Systems (200 Kg)

Global Hazardous Detection Robotics Market, Segmentation by Application:

Defense & Military

Oil & Gas Industry

Chemical & Petrochemical Industry

Nuclear Energy Sector

Public Safety & Emergency Services

Industrial Manufacturing

Environmental Agencies

Companies Profiled:

L3Harris Technologies

Northrop Grumman

QinetiQ

Teledyne Technologies / Teledyne FLIR

Lockheed Martin

General Dynamics

BAE Systems

Thales Group

Rheinmetall

Leonardo

Elbit Systems

Honeywell

Boston Dynamics

China North Industries Group Corporation

Aviation Industry Corporation of China, AVIC

China Aerospace Science and Industry Corporation

China Aerospace Science and Technology Corporation

China Electronics Technology Group Corporation

China South Industries Group Corporation

Key Questions Answered:

1. How big is the global Hazardous Detection Robotics market?
2. What is the demand of the global Hazardous Detection Robotics market?
3. What is the year over year growth of the global Hazardous Detection Robotics market?
4. What is the production and production value of the global Hazardous Detection Robotics market?
5. Who are the key producers in the global Hazardous Detection Robotics market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

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

2 DEMAND SUMMARY

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

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Hazardous Detection Robotics Production Value by Manufacturer (2021-2026)
- 3.2 World Hazardous Detection Robotics Production by Manufacturer (2021-2026)
- 3.3 World Hazardous Detection Robotics Average Price by Manufacturer (2021-2026)
- 3.4 Hazardous Detection Robotics Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Hazardous Detection Robotics Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Hazardous Detection Robotics in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Hazardous Detection Robotics in 2025
- 3.6 Hazardous Detection Robotics Market: Overall Company Footprint Analysis
 - 3.6.1 Hazardous Detection Robotics Market: Region Footprint
 - 3.6.2 Hazardous Detection Robotics Market: Company Product Type Footprint
 - 3.6.3 Hazardous Detection Robotics 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: Hazardous Detection Robotics Production Value Comparison
 - 4.1.1 United States VS China: Hazardous Detection Robotics Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Hazardous Detection Robotics Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Hazardous Detection Robotics Production Comparison
 - 4.2.1 United States VS China: Hazardous Detection Robotics Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Hazardous Detection Robotics Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Hazardous Detection Robotics Consumption Comparison
 - 4.3.1 United States VS China: Hazardous Detection Robotics Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Hazardous Detection Robotics Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Hazardous Detection Robotics Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Hazardous Detection Robotics Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Hazardous Detection Robotics Production Value (2021-2026)

4.4.3 United States Based Manufacturers Hazardous Detection Robotics Production (2021-2026)

4.5 China Based Hazardous Detection Robotics Manufacturers and Market Share

4.5.1 China Based Hazardous Detection Robotics Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Hazardous Detection Robotics Production Value (2021-2026)

4.5.3 China Based Manufacturers Hazardous Detection Robotics Production (2021-2026)

4.6 Rest of World Based Hazardous Detection Robotics Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Hazardous Detection Robotics Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Hazardous Detection Robotics Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Hazardous Detection Robotics Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Hazardous Detection Robotics Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Ground-Based Robots (UGV)

5.2.2 Aerial Robots (UAV)

5.2.3 Maritime / Underwater Robots (UMV)

5.2.4 Multi-Domain Robotic Systems (Air–Ground / Air–Sea Integration)

5.3 Market Segment by Type

5.3.1 World Hazardous Detection Robotics Production by Type (2021-2032)

5.3.2 World Hazardous Detection Robotics Production Value by Type (2021-2032)

5.3.3 World Hazardous Detection Robotics Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY AUTONOMY LEVEL

6.1 World Hazardous Detection Robotics Market Size Overview by Autonomy Level:
2021 VS 2025 VS 2032

6.2 Segment Introduction by Autonomy Level

6.2.1 Remote-Controlled Systems

6.2.2 Semi-Autonomous Systems (AI-Assisted Navigation & Sensing)

6.2.3 Fully Autonomous Systems (AI-Driven Decision-Making)

6.3 Market Segment by Autonomy Level

6.3.1 World Hazardous Detection Robotics Production by Autonomy Level
(2021-2032)

6.3.2 World Hazardous Detection Robotics Production Value by Autonomy Level
(2021-2032)

6.3.3 World Hazardous Detection Robotics Average Price by Autonomy Level
(2021-2032)

7 MARKET ANALYSIS BY PAYLOAD CAPACITY

7.1 World Hazardous Detection Robotics Market Size Overview by Payload Capacity:
2021 VS 2025 VS 2032

7.2 Segment Introduction by Payload Capacity

7.2.1 Lightweight Systems (200 Kg)

7.3 Market Segment by Payload Capacity

7.3.1 World Hazardous Detection Robotics Production by Payload Capacity
(2021-2032)

7.3.2 World Hazardous Detection Robotics Production Value by Payload Capacity
(2021-2032)

7.3.3 World Hazardous Detection Robotics Average Price by Payload Capacity
(2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Hazardous Detection Robotics Market Size Overview by Application: 2021 VS
2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Defense & Military

8.2.2 Oil & Gas Industry

8.2.3 Chemical & Petrochemical Industry

8.2.4 Nuclear Energy Sector

8.2.5 Public Safety & Emergency Services

- 8.2.6 Industrial Manufacturing
- 8.2.7 Environmental Agencies
- 8.3 Market Segment by Application
 - 8.3.1 World Hazardous Detection Robotics Production by Application (2021-2032)
 - 8.3.2 World Hazardous Detection Robotics Production Value by Application (2021-2032)
 - 8.3.3 World Hazardous Detection Robotics Average Price by Application (2021-2032)

9 COMPANY PROFILES

- 9.1 L3Harris Technologies
 - 9.1.1 L3Harris Technologies Details
 - 9.1.2 L3Harris Technologies Major Business
 - 9.1.3 L3Harris Technologies Hazardous Detection Robotics Product and Services
 - 9.1.4 L3Harris Technologies Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.1.5 L3Harris Technologies Recent Developments/Updates
 - 9.1.6 L3Harris Technologies Competitive Strengths & Weaknesses
- 9.2 Northrop Grumman
 - 9.2.1 Northrop Grumman Details
 - 9.2.2 Northrop Grumman Major Business
 - 9.2.3 Northrop Grumman Hazardous Detection Robotics Product and Services
 - 9.2.4 Northrop Grumman Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.2.5 Northrop Grumman Recent Developments/Updates
 - 9.2.6 Northrop Grumman Competitive Strengths & Weaknesses
- 9.3 QinetiQ
 - 9.3.1 QinetiQ Details
 - 9.3.2 QinetiQ Major Business
 - 9.3.3 QinetiQ Hazardous Detection Robotics Product and Services
 - 9.3.4 QinetiQ Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 QinetiQ Recent Developments/Updates
 - 9.3.6 QinetiQ Competitive Strengths & Weaknesses
- 9.4 Teledyne Technologies / Teledyne FLIR
 - 9.4.1 Teledyne Technologies / Teledyne FLIR Details
 - 9.4.2 Teledyne Technologies / Teledyne FLIR Major Business
 - 9.4.3 Teledyne Technologies / Teledyne FLIR Hazardous Detection Robotics Product and Services

9.4.4 Teledyne Technologies / Teledyne FLIR Hazardous Detection Robotics
Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Teledyne Technologies / Teledyne FLIR Recent Developments/Updates

9.4.6 Teledyne Technologies / Teledyne FLIR Competitive Strengths & Weaknesses

9.5 Lockheed Martin

9.5.1 Lockheed Martin Details

9.5.2 Lockheed Martin Major Business

9.5.3 Lockheed Martin Hazardous Detection Robotics Product and Services

9.5.4 Lockheed Martin Hazardous Detection Robotics Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.5.5 Lockheed Martin Recent Developments/Updates

9.5.6 Lockheed Martin Competitive Strengths & Weaknesses

9.6 General Dynamics

9.6.1 General Dynamics Details

9.6.2 General Dynamics Major Business

9.6.3 General Dynamics Hazardous Detection Robotics Product and Services

9.6.4 General Dynamics Hazardous Detection Robotics Production, Price, Value,
Gross Margin and Market Share (2021-2026)

9.6.5 General Dynamics Recent Developments/Updates

9.6.6 General Dynamics Competitive Strengths & Weaknesses

9.7 BAE Systems

9.7.1 BAE Systems Details

9.7.2 BAE Systems Major Business

9.7.3 BAE Systems Hazardous Detection Robotics Product and Services

9.7.4 BAE Systems Hazardous Detection Robotics Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.7.5 BAE Systems Recent Developments/Updates

9.7.6 BAE Systems Competitive Strengths & Weaknesses

9.8 Thales Group

9.8.1 Thales Group Details

9.8.2 Thales Group Major Business

9.8.3 Thales Group Hazardous Detection Robotics Product and Services

9.8.4 Thales Group Hazardous Detection Robotics Production, Price, Value, Gross
Margin and Market Share (2021-2026)

9.8.5 Thales Group Recent Developments/Updates

9.8.6 Thales Group Competitive Strengths & Weaknesses

9.9 Rheinmetall

9.9.1 Rheinmetall Details

9.9.2 Rheinmetall Major Business

- 9.9.3 Rheinmetall Hazardous Detection Robotics Product and Services
- 9.9.4 Rheinmetall Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.9.5 Rheinmetall Recent Developments/Updates
- 9.9.6 Rheinmetall Competitive Strengths & Weaknesses
- 9.10 Leonardo
 - 9.10.1 Leonardo Details
 - 9.10.2 Leonardo Major Business
 - 9.10.3 Leonardo Hazardous Detection Robotics Product and Services
 - 9.10.4 Leonardo Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Leonardo Recent Developments/Updates
 - 9.10.6 Leonardo Competitive Strengths & Weaknesses
- 9.11 Elbit Systems
 - 9.11.1 Elbit Systems Details
 - 9.11.2 Elbit Systems Major Business
 - 9.11.3 Elbit Systems Hazardous Detection Robotics Product and Services
 - 9.11.4 Elbit Systems Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Elbit Systems Recent Developments/Updates
 - 9.11.6 Elbit Systems Competitive Strengths & Weaknesses
- 9.12 Honeywell
 - 9.12.1 Honeywell Details
 - 9.12.2 Honeywell Major Business
 - 9.12.3 Honeywell Hazardous Detection Robotics Product and Services
 - 9.12.4 Honeywell Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Honeywell Recent Developments/Updates
 - 9.12.6 Honeywell Competitive Strengths & Weaknesses
- 9.13 Boston Dynamics
 - 9.13.1 Boston Dynamics Details
 - 9.13.2 Boston Dynamics Major Business
 - 9.13.3 Boston Dynamics Hazardous Detection Robotics Product and Services
 - 9.13.4 Boston Dynamics Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Boston Dynamics Recent Developments/Updates
 - 9.13.6 Boston Dynamics Competitive Strengths & Weaknesses
- 9.14 China North Industries Group Corporation
 - 9.14.1 China North Industries Group Corporation Details

- 9.14.2 China North Industries Group Corporation Major Business
- 9.14.3 China North Industries Group Corporation Hazardous Detection Robotics Product and Services
- 9.14.4 China North Industries Group Corporation Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.14.5 China North Industries Group Corporation Recent Developments/Updates
- 9.14.6 China North Industries Group Corporation Competitive Strengths & Weaknesses
- 9.15 Aviation Industry Corporation of China, AVIC
 - 9.15.1 Aviation Industry Corporation of China, AVIC Details
 - 9.15.2 Aviation Industry Corporation of China, AVIC Major Business
 - 9.15.3 Aviation Industry Corporation of China, AVIC Hazardous Detection Robotics Product and Services
 - 9.15.4 Aviation Industry Corporation of China, AVIC Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Aviation Industry Corporation of China, AVIC Recent Developments/Updates
 - 9.15.6 Aviation Industry Corporation of China, AVIC Competitive Strengths & Weaknesses
- 9.16 China Aerospace Science and Industry Corporation
 - 9.16.1 China Aerospace Science and Industry Corporation Details
 - 9.16.2 China Aerospace Science and Industry Corporation Major Business
 - 9.16.3 China Aerospace Science and Industry Corporation Hazardous Detection Robotics Product and Services
 - 9.16.4 China Aerospace Science and Industry Corporation Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 China Aerospace Science and Industry Corporation Recent Developments/Updates
 - 9.16.6 China Aerospace Science and Industry Corporation Competitive Strengths & Weaknesses
- 9.17 China Aerospace Science and Technology Corporation
 - 9.17.1 China Aerospace Science and Technology Corporation Details
 - 9.17.2 China Aerospace Science and Technology Corporation Major Business
 - 9.17.3 China Aerospace Science and Technology Corporation Hazardous Detection Robotics Product and Services
 - 9.17.4 China Aerospace Science and Technology Corporation Hazardous Detection Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 China Aerospace Science and Technology Corporation Recent Developments/Updates
 - 9.17.6 China Aerospace Science and Technology Corporation Competitive Strengths

& Weaknesses

9.18 China Electronics Technology Group Corporation

9.18.1 China Electronics Technology Group Corporation Details

9.18.2 China Electronics Technology Group Corporation Major Business

9.18.3 China Electronics Technology Group Corporation Hazardous Detection

Robotics Product and Services

9.18.4 China Electronics Technology Group Corporation Hazardous Detection

Robotics Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.18.5 China Electronics Technology Group Corporation Recent

Developments/Updates

9.18.6 China Electronics Technology Group Corporation Competitive Strengths &

Weaknesses

9.19 China South Industries Group Corporation

9.19.1 China South Industries Group Corporation Details

9.19.2 China South Industries Group Corporation Major Business

9.19.3 China South Industries Group Corporation Hazardous Detection Robotics

Product and Services

9.19.4 China South Industries Group Corporation Hazardous Detection Robotics

Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.19.5 China South Industries Group Corporation Recent Developments/Updates

9.19.6 China South Industries Group Corporation Competitive Strengths &

Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Hazardous Detection Robotics Industry Chain

10.2 Hazardous Detection Robotics Upstream Analysis

10.2.1 Hazardous Detection Robotics Core Raw Materials

10.2.2 Main Manufacturers of Hazardous Detection Robotics Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Hazardous Detection Robotics Production Mode

10.6 Hazardous Detection Robotics Procurement Model

10.7 Hazardous Detection Robotics Industry Sales Model and Sales Channels

10.7.1 Hazardous Detection Robotics Sales Model

10.7.2 Hazardous Detection Robotics Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Hazardous Detection Robotics Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Hazardous Detection Robotics Production Value by Region (2021-2026) & (USD Million)

Table 3. World Hazardous Detection Robotics Production Value by Region (2027-2032) & (USD Million)

Table 4. World Hazardous Detection Robotics Production Value Market Share by Region (2021-2026)

Table 5. World Hazardous Detection Robotics Production Value Market Share by Region (2027-2032)

Table 6. World Hazardous Detection Robotics Production by Region (2021-2026) & (Units)

Table 7. World Hazardous Detection Robotics Production by Region (2027-2032) & (Units)

Table 8. World Hazardous Detection Robotics Production Market Share by Region (2021-2026)

Table 9. World Hazardous Detection Robotics Production Market Share by Region (2027-2032)

Table 10. World Hazardous Detection Robotics Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Hazardous Detection Robotics Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Hazardous Detection Robotics Major Market Trends

Table 13. World Hazardous Detection Robotics Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Hazardous Detection Robotics Consumption by Region (2021-2026) & (Units)

Table 15. World Hazardous Detection Robotics Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Hazardous Detection Robotics Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Hazardous Detection Robotics Producers in 2025

Table 18. World Hazardous Detection Robotics Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Hazardous Detection Robotics Producers in 2025

Table 20. World Hazardous Detection Robotics Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Hazardous Detection Robotics Company Evaluation Quadrant

Table 22. World Hazardous Detection Robotics Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Hazardous Detection Robotics Production Site of Key Manufacturer

Table 24. Hazardous Detection Robotics Market: Company Product Type Footprint

Table 25. Hazardous Detection Robotics Market: Company Product Application Footprint

Table 26. Hazardous Detection Robotics Competitive Factors

Table 27. Hazardous Detection Robotics New Entrant and Capacity Expansion Plans

Table 28. Hazardous Detection Robotics Mergers & Acquisitions Activity

Table 29. United States VS China Hazardous Detection Robotics Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Hazardous Detection Robotics Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Hazardous Detection Robotics Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Hazardous Detection Robotics Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Hazardous Detection Robotics Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Hazardous Detection Robotics Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Hazardous Detection Robotics Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Hazardous Detection Robotics Production Market Share (2021-2026)

Table 37. China Based Hazardous Detection Robotics Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Hazardous Detection Robotics Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Hazardous Detection Robotics Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Hazardous Detection Robotics Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Hazardous Detection Robotics Production Market Share (2021-2026)

Table 42. Rest of World Based Hazardous Detection Robotics Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Hazardous Detection Robotics Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Hazardous Detection Robotics Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Hazardous Detection Robotics Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Hazardous Detection Robotics Production Market Share (2021-2026)

Table 47. World Hazardous Detection Robotics Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Hazardous Detection Robotics Production by Type (2021-2026) & (Units)

Table 49. World Hazardous Detection Robotics Production by Type (2027-2032) & (Units)

Table 50. World Hazardous Detection Robotics Production Value by Type (2021-2026) & (USD Million)

Table 51. World Hazardous Detection Robotics Production Value by Type (2027-2032) & (USD Million)

Table 52. World Hazardous Detection Robotics Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Hazardous Detection Robotics Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Hazardous Detection Robotics Production Value by Autonomy Level, (USD Million), 2021 & 2025 & 2032

Table 55. World Hazardous Detection Robotics Production by Autonomy Level (2021-2026) & (Units)

Table 56. World Hazardous Detection Robotics Production by Autonomy Level (2027-2032) & (Units)

Table 57. World Hazardous Detection Robotics Production Value by Autonomy Level (2021-2026) & (USD Million)

Table 58. World Hazardous Detection Robotics Production Value by Autonomy Level (2027-2032) & (USD Million)

Table 59. World Hazardous Detection Robotics Average Price by Autonomy Level (2021-2026) & (US\$/Unit)

Table 60. World Hazardous Detection Robotics Average Price by Autonomy Level

(2027-2032) & (US\$/Unit)

Table 61. World Hazardous Detection Robotics Production Value by Payload Capacity, (USD Million), 2021 & 2025 & 2032

Table 62. World Hazardous Detection Robotics Production by Payload Capacity (2021-2026) & (Units)

Table 63. World Hazardous Detection Robotics Production by Payload Capacity (2027-2032) & (Units)

Table 64. World Hazardous Detection Robotics Production Value by Payload Capacity (2021-2026) & (USD Million)

Table 65. World Hazardous Detection Robotics Production Value by Payload Capacity (2027-2032) & (USD Million)

Table 66. World Hazardous Detection Robotics Average Price by Payload Capacity (2021-2026) & (US\$/Unit)

Table 67. World Hazardous Detection Robotics Average Price by Payload Capacity (2027-2032) & (US\$/Unit)

Table 68. World Hazardous Detection Robotics Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Hazardous Detection Robotics Production by Application (2021-2026) & (Units)

Table 70. World Hazardous Detection Robotics Production by Application (2027-2032) & (Units)

Table 71. World Hazardous Detection Robotics Production Value by Application (2021-2026) & (USD Million)

Table 72. World Hazardous Detection Robotics Production Value by Application (2027-2032) & (USD Million)

Table 73. World Hazardous Detection Robotics Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Hazardous Detection Robotics Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. L3Harris Technologies Basic Information, Manufacturing Base and Competitors

Table 76. L3Harris Technologies Major Business

Table 77. L3Harris Technologies Hazardous Detection Robotics Product and Services

Table 78. L3Harris Technologies Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. L3Harris Technologies Recent Developments/Updates

Table 80. L3Harris Technologies Competitive Strengths & Weaknesses

Table 81. Northrop Grumman Basic Information, Manufacturing Base and Competitors

Table 82. Northrop Grumman Major Business

Table 83. Northrop Grumman Hazardous Detection Robotics Product and Services

Table 84. Northrop Grumman Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Northrop Grumman Recent Developments/Updates

Table 86. Northrop Grumman Competitive Strengths & Weaknesses

Table 87. QinetiQ Basic Information, Manufacturing Base and Competitors

Table 88. QinetiQ Major Business

Table 89. QinetiQ Hazardous Detection Robotics Product and Services

Table 90. QinetiQ Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. QinetiQ Recent Developments/Updates

Table 92. QinetiQ Competitive Strengths & Weaknesses

Table 93. Teledyne Technologies / Teledyne FLIR Basic Information, Manufacturing Base and Competitors

Table 94. Teledyne Technologies / Teledyne FLIR Major Business

Table 95. Teledyne Technologies / Teledyne FLIR Hazardous Detection Robotics Product and Services

Table 96. Teledyne Technologies / Teledyne FLIR Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Teledyne Technologies / Teledyne FLIR Recent Developments/Updates

Table 98. Teledyne Technologies / Teledyne FLIR Competitive Strengths & Weaknesses

Table 99. Lockheed Martin Basic Information, Manufacturing Base and Competitors

Table 100. Lockheed Martin Major Business

Table 101. Lockheed Martin Hazardous Detection Robotics Product and Services

Table 102. Lockheed Martin Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Lockheed Martin Recent Developments/Updates

Table 104. Lockheed Martin Competitive Strengths & Weaknesses

Table 105. General Dynamics Basic Information, Manufacturing Base and Competitors

Table 106. General Dynamics Major Business

Table 107. General Dynamics Hazardous Detection Robotics Product and Services

Table 108. General Dynamics Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 109. General Dynamics Recent Developments/Updates
- Table 110. General Dynamics Competitive Strengths & Weaknesses
- Table 111. BAE Systems Basic Information, Manufacturing Base and Competitors
- Table 112. BAE Systems Major Business
- Table 113. BAE Systems Hazardous Detection Robotics Product and Services
- Table 114. BAE Systems Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. BAE Systems Recent Developments/Updates
- Table 116. BAE Systems Competitive Strengths & Weaknesses
- Table 117. Thales Group Basic Information, Manufacturing Base and Competitors
- Table 118. Thales Group Major Business
- Table 119. Thales Group Hazardous Detection Robotics Product and Services
- Table 120. Thales Group Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Thales Group Recent Developments/Updates
- Table 122. Thales Group Competitive Strengths & Weaknesses
- Table 123. Rheinmetall Basic Information, Manufacturing Base and Competitors
- Table 124. Rheinmetall Major Business
- Table 125. Rheinmetall Hazardous Detection Robotics Product and Services
- Table 126. Rheinmetall Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. Rheinmetall Recent Developments/Updates
- Table 128. Rheinmetall Competitive Strengths & Weaknesses
- Table 129. Leonardo Basic Information, Manufacturing Base and Competitors
- Table 130. Leonardo Major Business
- Table 131. Leonardo Hazardous Detection Robotics Product and Services
- Table 132. Leonardo Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Leonardo Recent Developments/Updates
- Table 134. Leonardo Competitive Strengths & Weaknesses
- Table 135. Elbit Systems Basic Information, Manufacturing Base and Competitors
- Table 136. Elbit Systems Major Business
- Table 137. Elbit Systems Hazardous Detection Robotics Product and Services
- Table 138. Elbit Systems Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 139. Elbit Systems Recent Developments/Updates

Table 140. Elbit Systems Competitive Strengths & Weaknesses

Table 141. Honeywell Basic Information, Manufacturing Base and Competitors

Table 142. Honeywell Major Business

Table 143. Honeywell Hazardous Detection Robotics Product and Services

Table 144. Honeywell Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Honeywell Recent Developments/Updates

Table 146. Honeywell Competitive Strengths & Weaknesses

Table 147. Boston Dynamics Basic Information, Manufacturing Base and Competitors

Table 148. Boston Dynamics Major Business

Table 149. Boston Dynamics Hazardous Detection Robotics Product and Services

Table 150. Boston Dynamics Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Boston Dynamics Recent Developments/Updates

Table 152. Boston Dynamics Competitive Strengths & Weaknesses

Table 153. China North Industries Group Corporation Basic Information, Manufacturing Base and Competitors

Table 154. China North Industries Group Corporation Major Business

Table 155. China North Industries Group Corporation Hazardous Detection Robotics Product and Services

Table 156. China North Industries Group Corporation Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. China North Industries Group Corporation Recent Developments/Updates

Table 158. China North Industries Group Corporation Competitive Strengths & Weaknesses

Table 159. Aviation Industry Corporation of China, AVIC Basic Information, Manufacturing Base and Competitors

Table 160. Aviation Industry Corporation of China, AVIC Major Business

Table 161. Aviation Industry Corporation of China, AVIC Hazardous Detection Robotics Product and Services

Table 162. Aviation Industry Corporation of China, AVIC Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Aviation Industry Corporation of China, AVIC Recent Developments/Updates

Table 164. Aviation Industry Corporation of China, AVIC Competitive Strengths & Weaknesses

Table 165. China Aerospace Science and Industry Corporation Basic Information, Manufacturing Base and Competitors

Table 166. China Aerospace Science and Industry Corporation Major Business

Table 167. China Aerospace Science and Industry Corporation Hazardous Detection Robotics Product and Services

Table 168. China Aerospace Science and Industry Corporation Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. China Aerospace Science and Industry Corporation Recent Developments/Updates

Table 170. China Aerospace Science and Industry Corporation Competitive Strengths & Weaknesses

Table 171. China Aerospace Science and Technology Corporation Basic Information, Manufacturing Base and Competitors

Table 172. China Aerospace Science and Technology Corporation Major Business

Table 173. China Aerospace Science and Technology Corporation Hazardous Detection Robotics Product and Services

Table 174. China Aerospace Science and Technology Corporation Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. China Aerospace Science and Technology Corporation Recent Developments/Updates

Table 176. China Aerospace Science and Technology Corporation Competitive Strengths & Weaknesses

Table 177. China Electronics Technology Group Corporation Basic Information, Manufacturing Base and Competitors

Table 178. China Electronics Technology Group Corporation Major Business

Table 179. China Electronics Technology Group Corporation Hazardous Detection Robotics Product and Services

Table 180. China Electronics Technology Group Corporation Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. China Electronics Technology Group Corporation Recent Developments/Updates

Table 182. China Electronics Technology Group Corporation Competitive Strengths & Weaknesses

Table 183. China South Industries Group Corporation Basic Information, Manufacturing

Base and Competitors

Table 184. China South Industries Group Corporation Major Business

Table 185. China South Industries Group Corporation Hazardous Detection Robotics Product and Services

Table 186. China South Industries Group Corporation Hazardous Detection Robotics Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. China South Industries Group Corporation Recent Developments/Updates

Table 188. China South Industries Group Corporation Competitive Strengths & Weaknesses

Table 189. Global Key Players of Hazardous Detection Robotics Upstream (Raw Materials)

Table 190. Global Hazardous Detection Robotics Typical Customers

Table 191. Hazardous Detection Robotics Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Hazardous Detection Robotics Picture

Figure 2. World Hazardous Detection Robotics Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Hazardous Detection Robotics Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Hazardous Detection Robotics Production (2021-2032) & (Units)

Figure 5. World Hazardous Detection Robotics Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Hazardous Detection Robotics Production Value Market Share by Region (2021-2032)

Figure 7. World Hazardous Detection Robotics Production Market Share by Region (2021-2032)

Figure 8. North America Hazardous Detection Robotics Production (2021-2032) & (Units)

Figure 9. Europe Hazardous Detection Robotics Production (2021-2032) & (Units)

Figure 10. China Hazardous Detection Robotics Production (2021-2032) & (Units)

Figure 11. Japan Hazardous Detection Robotics Production (2021-2032) & (Units)

Figure 12. Hazardous Detection Robotics Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 15. World Hazardous Detection Robotics Consumption Market Share by Region (2021-2032)

Figure 16. United States Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 17. China Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 18. Europe Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 19. Japan Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 20. South Korea Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 21. ASEAN Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 22. India Hazardous Detection Robotics Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Hazardous Detection Robotics by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Hazardous Detection Robotics Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Hazardous Detection

Robotics Markets in 2025

Figure 26. United States VS China: Hazardous Detection Robotics Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Hazardous Detection Robotics Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Hazardous Detection Robotics Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Hazardous Detection Robotics Production Market Share 2025

Figure 30. China Based Manufacturers Hazardous Detection Robotics Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Hazardous Detection Robotics Production Market Share 2025

Figure 32. World Hazardous Detection Robotics Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Hazardous Detection Robotics Production Value Market Share by Type in 2025

Figure 34. Ground-Based Robots (UGV)

Figure 35. Aerial Robots (UAV)

Figure 36. Maritime / Underwater Robots (UMV)

Figure 37. Multi-Domain Robotic Systems (Air–Ground / Air–Sea Integration)

Figure 38. World Hazardous Detection Robotics Production Market Share by Type (2021-2032)

Figure 39. World Hazardous Detection Robotics Production Value Market Share by Type (2021-2032)

Figure 40. World Hazardous Detection Robotics Average Price by Type (2021-2032) & (US\$/Unit)

Figure 41. World Hazardous Detection Robotics Production Value by Autonomy Level, (USD Million), 2021 & 2025 & 2032

Figure 42. World Hazardous Detection Robotics Production Value Market Share by Autonomy Level in 2025

Figure 43. Remote-Controlled Systems

Figure 44. Semi-Autonomous Systems (AI-Assisted Navigation & Sensing)

Figure 45. Fully Autonomous Systems (AI-Driven Decision-Making)

Figure 46. World Hazardous Detection Robotics Production Market Share by Autonomy Level (2021-2032)

Figure 47. World Hazardous Detection Robotics Production Value Market Share by Autonomy Level (2021-2032)

Figure 48. World Hazardous Detection Robotics Average Price by Autonomy Level

(2021-2032) & (US\$/Unit)

Figure 49. World Hazardous Detection Robotics Production Value by Payload Capacity, (USD Million), 2021 & 2025 & 2032

Figure 50. World Hazardous Detection Robotics Production Value Market Share by Payload Capacity in 2025

Figure 51. Lightweight Systems (200 Kg)

Figure 54. World Hazardous Detection Robotics Production Market Share by Payload Capacity (2021-2032)

Figure 55. World Hazardous Detection Robotics Production Value Market Share by Payload Capacity (2021-2032)

Figure 56. World Hazardous Detection Robotics Average Price by Payload Capacity (2021-2032) & (US\$/Unit)

Figure 57. World Hazardous Detection Robotics Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 58. World Hazardous Detection Robotics Production Value Market Share by Application in 2025

Figure 59. Defense & Military

Figure 60. Oil & Gas Industry

Figure 61. Chemical & Petrochemical Industry

Figure 62. Nuclear Energy Sector

Figure 63. Public Safety & Emergency Services

Figure 64. Industrial Manufacturing

Figure 65. Environmental Agencies

Figure 66. World Hazardous Detection Robotics Production Market Share by Application (2021-2032)

Figure 67. World Hazardous Detection Robotics Production Value Market Share by Application (2021-2032)

Figure 68. World Hazardous Detection Robotics Average Price by Application (2021-2032) & (US\$/Unit)

Figure 69. Hazardous Detection Robotics Industry Chain

Figure 70. Hazardous Detection Robotics Procurement Model

Figure 71. Hazardous Detection Robotics Sales Model

Figure 72. Hazardous Detection Robotics Sales Channels, Direct Sales, and Distribution

Figure 73. Methodology

Figure 74. Research Process and Data Source

I would like to order

Product name: Global Hazardous Detection Robotics Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G90F5B6358C7EN.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/G90F5B6358C7EN.html>