

# **Global Battery-free Sensors Market Size study, by Frequency (Low Frequency, High Frequency, Ultra-High Frequency), by Industry (Automotive, Logistics, Healthcare, Oil & Gas, Food & Beverages, IT & Telecommunication, Others) and Regional Forecasts 2022-2028**

<https://marketpublishers.com/r/G873AB1A1EF9EN.html>

Date: May 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G873AB1A1EF9EN

## **Abstracts**

Global Battery-free Sensors Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Battery-free Sensors are sensors that provide temperature and strain measurements when interconnected to a smartphone. A gyroscope attached to the ankle is used as a reference for gait monitoring. The rising automation with the growing electronic industry, rapid advancements in sensing technology have led to the adoption of Battery-free Sensors across the forecast period. For Instance: as per the IBEF, The electronic goods export in FY21 was US\$ 11.11 billion and for the month of March 2021 it was US\$ 1.40 billion. Also, with the supportive government initiatives and funds sanctioned for IoT projects, the adoption & demand for Battery-free Sensors is likely to increase the market growth during the forecast period. However, data security concerns impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Battery-free Sensors market study include Asia Pacific, North America, Europe, Latin America and Rest of the World. Europe is the leading region across the world in terms of market share owing to the expansion of manufacturing activities. Whereas, Asia-Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2022-2028. Factors such as ongoing industrialization, growing adoption of predictive maintenance tools, and increasing competitive pressure to achieve operational efficiency would create lucrative growth

prospects for the Battery-free Sensors market across Asia-Pacific region.

Major market players included in this report are:

CAEN RFID S.R.L.  
INFINEON TECHNOLOGIES AG  
METALCRAFT  
GA0 GROUP  
TEXAS INSTRUMENTS INC.  
OMNI-ID  
SEMICONDUCTORS  
ZEBRA TECHNOLOGIES  
ALIEN TECHNOLOGY  
IMPINJ

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Frequency:

Low Frequency  
High Frequency  
Ultra-High Frequency

By Industry:

Automotive  
Logistics  
Healthcare  
Oil & Gas  
Food & Beverages  
IT & Telecommunication  
Others

By Region:

North America  
U.S.  
Canada

Europe  
UK  
Germany  
France  
Spain  
Italy  
ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Battery-free Sensors Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Billion)
  - 1.2.1. Battery-free Sensors Market, by Region, 2020-2028 (USD Billion)
  - 1.2.2. Battery-free Sensors Market, by Frequency, 2020-2028 (USD Billion)
  - 1.2.3. Battery-free Sensors Market, by Industry, 2020-2028 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL BATTERY-FREE SENSORS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL BATTERY-FREE SENSORS MARKET DYNAMICS

- 3.1. Battery-free Sensors Market Impact Analysis (2020-2028)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Rising automation with growing electronic industry
    - 3.1.1.2. Rapid advancements in sensing technology
  - 3.1.2. Market Challenges
    - 3.1.2.1. Data security concerns
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Supportive government initiatives and funds sanctioned for IoT projects

### CHAPTER 4. GLOBAL BATTERY-FREE SENSORS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers

- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

## **CHAPTER 6. GLOBAL BATTERY-FREE SENSORS MARKET, BY FREQUENCY**

- 6.1. Market Snapshot
- 6.2. Global Battery-free Sensors Market by Frequency, Performance - Potential Analysis
- 6.3. Global Battery-free Sensors Market Estimates & Forecasts by Frequency, 2018-2028 (USD Billion)
- 6.4. Battery-free Sensors Market, Sub Segment Analysis
  - 6.4.1. Low Frequency
  - 6.4.2. High Frequency
  - 6.4.3. Ultra-High Frequency

## **CHAPTER 7. GLOBAL BATTERY-FREE SENSORS MARKET, BY INDUSTRY**

- 7.1. Market Snapshot
- 7.2. Global Battery-free Sensors Market by Industry, Performance - Potential Analysis
- 7.3. Global Battery-free Sensors Market Estimates & Forecasts by Industry, 2018-2028 (USD Billion)
- 7.4. Battery-free Sensors Market, Sub Segment Analysis
  - 7.4.1. Automotive

- 7.4.2. Logistics
- 7.4.3. Healthcare
- 7.4.4. Oil & Gas
- 7.4.5. Food & Beverages
- 7.4.6. IT & Telecommunication
- 7.4.7. Others

## **CHAPTER 8. GLOBAL BATTERY-FREE SENSORS MARKET, REGIONAL ANALYSIS**

- 8.1. Battery-free Sensors Market, Regional Market Snapshot
- 8.2. North America Battery-free Sensors Market
  - 8.2.1. U.S. Battery-free Sensors Market
    - 8.2.1.1. Frequency breakdown estimates & forecasts, 2018-2028
    - 8.2.1.2. Industry breakdown estimates & forecasts, 2018-2028
  - 8.2.2. Canada Battery-free Sensors Market
- 8.3. Europe Battery-free Sensors Market Snapshot
  - 8.3.1. U.K. Battery-free Sensors Market
  - 8.3.2. Germany Battery-free Sensors Market
  - 8.3.3. France Battery-free Sensors Market
  - 8.3.4. Spain Battery-free Sensors Market
  - 8.3.5. Italy Battery-free Sensors Market
  - 8.3.6. Rest of Europe Battery-free Sensors Market
- 8.4. Asia-Pacific Battery-free Sensors Market Snapshot
  - 8.4.1. China Battery-free Sensors Market
  - 8.4.2. India Battery-free Sensors Market
  - 8.4.3. Japan Battery-free Sensors Market
  - 8.4.4. Australia Battery-free Sensors Market
  - 8.4.5. South Korea Battery-free Sensors Market
  - 8.4.6. Rest of Asia Pacific Battery-free Sensors Market
- 8.5. Latin America Battery-free Sensors Market Snapshot
  - 8.5.1. Brazil Battery-free Sensors Market
  - 8.5.2. Mexico Battery-free Sensors Market
- 8.6. Rest of The World Battery-free Sensors Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles

- 9.2.1. CAEN RFID S.R.L.
  - 9.2.1.1. Key Information
  - 9.2.1.2. Overview
  - 9.2.1.3. Financial (Subject to Data Availability)
  - 9.2.1.4. Product Summary
  - 9.2.1.5. Recent Developments
- 9.2.2. INFINEON TECHNOLOGIES AG
- 9.2.3. METALCRAFT
- 9.2.4. GA0 GROUP
- 9.2.5. TEXAS INSTRUMENTS INC.
- 9.2.6. OMNI-ID
- 9.2.7. SEMICONDUCTORS
- 9.2.8. ZEBRA TECHNOLOGIES
- 9.2.9. ALIEN TECHNOLOGY
- 9.2.10. IMPINJ

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption

## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Battery-free Sensors market, report scope
- TABLE 2. Global Battery-free Sensors market estimates & forecasts by Region 2018-2028 (USD Billion)
- TABLE 3. Global Battery-free Sensors market estimates & forecasts by Frequency 2018-2028 (USD Billion)
- TABLE 4. Global Battery-free Sensors market estimates & forecasts by Industry 2018-2028 (USD Billion)
- TABLE 5. Global Battery-free Sensors market by segment, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 6. Global Battery-free Sensors market by region, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 7. Global Battery-free Sensors market by segment, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 8. Global Battery-free Sensors market by region, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 9. Global Battery-free Sensors market by segment, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 10. Global Battery-free Sensors market by region, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 11. Global Battery-free Sensors market by segment, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 12. Global Battery-free Sensors market by region, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 13. Global Battery-free Sensors market by segment, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 14. Global Battery-free Sensors market by region, estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 15. U.S. Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)
- TABLE 16. U.S. Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)
- TABLE 17. U.S. Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)
- TABLE 18. Canada Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)



TABLE 19. Canada Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 20. Canada Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 21. UK Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 22. UK Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 23. UK Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 24. Germany Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 25. Germany Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 26. Germany Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 27. RoE Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 28. RoE Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 29. RoE Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 30. China Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 31. China Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 32. China Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 33. India Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 34. India Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 35. India Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 36. Japan Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 37. Japan Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 38. Japan Battery-free Sensors market estimates & forecasts by segment

2018-2028 (USD Billion)

TABLE 39. RoAPAC Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 40. RoAPAC Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 41. RoAPAC Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 42. Brazil Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 43. Brazil Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 44. Brazil Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 45. Mexico Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 46. Mexico Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 47. Mexico Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 48. RoLA Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 49. RoLA Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 50. RoLA Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 51. Row Battery-free Sensors market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 52. Row Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 53. Row Battery-free Sensors market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 54. List of secondary sources, used in the study of global Battery-free Sensors market

TABLE 55. List of primary sources, used in the study of global Battery-free Sensors market

TABLE 56. Years considered for the study

TABLE 57. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Battery-free Sensors market, research methodology
- FIG 2. Global Battery-free Sensors market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Battery-free Sensors market, key trends 2021
- FIG 5. Global Battery-free Sensors market, growth prospects 2022-2028
- FIG 6. Global Battery-free Sensors market, porters 5 force model
- FIG 7. Global Battery-free Sensors market, pest analysis
- FIG 8. Global Battery-free Sensors market, value chain analysis
- FIG 9. Global Battery-free Sensors market by segment, 2018 & 2028 (USD Billion)
- FIG 10. Global Battery-free Sensors market by segment, 2018 & 2028 (USD Billion)
- FIG 11. Global Battery-free Sensors market by segment, 2018 & 2028 (USD Billion)
- FIG 12. Global Battery-free Sensors market by segment, 2018 & 2028 (USD Billion)
- FIG 13. Global Battery-free Sensors market by segment, 2018 & 2028 (USD Billion)
- FIG 14. Global Battery-free Sensors market, regional snapshot 2018 & 2028
- FIG 15. North America Battery-free Sensors market 2018 & 2028 (USD Billion)
- FIG 16. Europe Battery-free Sensors market 2018 & 2028 (USD Billion)
- FIG 17. Asia pacific Battery-free Sensors market 2018 & 2028 (USD Billion)
- FIG 18. Latin America Battery-free Sensors market 2018 & 2028 (USD Billion)
- FIG 19. Global Battery-free Sensors market, company market share analysis (2021)

## I would like to order

Product name: Global Battery-free Sensors Market Size study, by Frequency (Low Frequency, High Frequency, Ultra-High Frequency), by Industry (Automotive, Logistics, Healthcare, Oil & Gas, Food & Beverages, IT & Telecommunication, Others) and Regional Forecasts 2022-2028

Product link: <https://marketpublishers.com/r/G873AB1A1EF9EN.html>

Price: US\$ 4,950.00 (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/G873AB1A1EF9EN.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