

# **Continuous Thermal Monitoring Market by Offering (Hardware, Software, Service), Application (Bus Duct Monitors, Switchgear, Motor Control Centers, Low-voltage Transformers, Dry Transformers), End User, and Region - Global Forecast to 2030**

<https://marketpublishers.com/r/C62CB31569F4EN.html>

Date: January 2025

Pages: 260

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

ID: C62CB31569F4EN

## **Abstracts**

The continuous thermal monitoring market is projected to reach USD 1.49 billion by 2030 from an estimated USD 1.00 billion in 2024, at a CAGR of 6.8% during the forecast period (2024–2030). The continuous thermal monitoring market is driven by factors such as an increased focus on energy efficiency among industries, an increased demand for smaller and more powerful electronic devices, and a growing number of data centers and cloud computing services. These trends require efficient thermal management solutions that ensure optimal performance and prevent overheating, hence driving the demand for continuous thermal monitoring technologies.

“Hardware is expected to have the highest growth rate segment during the forecast period.”

The hardware component is the fastest segment due to its critical role to enable accurate, reliable temperature identification. Hardware machines are widely used in numerous industries for the detection of thermal anomalies so that overheating is prevented. They also maximize operational efficiency as they can operate to identify thermal patterns in real-time. Predictive maintenance continues to be of high demand due to its various applications in numerous industries such as manufacturing, utility, and data center operations. Technological advancements also led to a compact, affordable, and even IoT-enabled hardware that integrates so well with a smart monitoring system, making these devices more alluring.

“Bus Duct Monitors segment is expected to emerge as the fastest growing segment by application.”

The continuous thermal monitoring market in bus duct monitoring is gaining immense growth due to the importance of reliability and security for electrical infrastructure. This further gains momentum due to prevention and avoidance of costly failures and fire hazards, growing smart grid adoption, and emerging demand from data centers and renewable energy. The increasing stringency of regulatory standards, advancement in IoT and predictive analytics, and the massive costs associated with system downtime make real-time thermal monitoring an absolute necessity. Industrialization is growing at a faster pace, and the focus has shifted towards efficiency and safety. Bus duct monitoring is rapidly becoming an essential part of modern power distribution systems.

“China to grow at the highest CAGR for Asia Pacific Continuous thermal monitoring market.”

China is the Asia-Pacific region's fastest growing market for continuous thermal monitoring in Asia Pacific, given its vast industrial base, rapid urbanization, and vast infrastructure developments. The strong focus on energy efficiency and rigid safety regulations by the nation has further accelerated the deployment of high-tech monitoring systems across power distribution networks, data centers, and renewable energy projects. Moreover, the proactive interest of the government in smart grid development and the incorporation of IoT technology has created a tremendous momentum for implementing real-time thermal monitoring solutions. Significant investment in industrial automation with a firm commitment to minimizing downtime and energy losses drives China at the fore in the region to embrace leading-edge thermal monitoring technologies.

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 30%, Tier 2- 45%, and Tier 3- 25%

By Designation: Director Levels- 20%, C-Level- 30%, and Others- 50%

By Region: North America- 18%, Europe- 8%, Asia Pacific- 60%, the Middle East &

Africa- 10%, and South America- 4%

Note: Others include sales managers, engineers, and regional managers.

Note: The tiers of the companies are defined based on their total revenues as of 2023.

Tier 1: > USD 1 billion, Tier 2: From USD 500 million to USD 1 billion, and Tier 3:

ABB (Switzerland), Siemens (Germany), Schneider Electric (France), Honeywell International Inc. (US) and Teledyne Technologies (US) are some of the key players in the continuous thermal monitoring market.

The study includes an in-depth competitive analysis of these key players in the continuous thermal monitoring market, with their company profiles, recent developments, and key market strategies.

#### Research Coverage:

The report defines, describes, and forecasts the continuous thermal monitoring market by offering (hardware, software, services), By Application (Bus Duct Monitors, Switchgear, Motor Control Centers, Dry Transformers, Low-voltage Transformers, Other Applications), By End User (Data Centers, Oil & Gas, Logistics, Utilities, Manufacturing, Healthcare, Retail, Telecommunications, Other End Users) and By Region (North America, South America, Europe, Asia Pacific, and Middle east & Africa). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the continuous thermal monitoring market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; Contracts, partnerships, agreements, investment, divestment, new product & service launches, and recent developments associated with the continuous thermal monitoring market. Competitive analysis of upcoming startups in the continuous thermal monitoring market ecosystem is covered in this report.

#### Key Benefits of Buying the Report

Analysis of key drivers (Growing emphasis on predictive maintenance, Rising adoption of IoT and AI technology, Increasing adoption of industrial automation), restraints (High initial costs associated with advanced monitoring systems and Technical complexities in integrating advanced monitoring systems with existing industrial infrastructure), opportunities (Rapid deployment of smart grids, Rapid deployment of smart grids, and Rising adoption of data centers), and challenges

(Rising cyberattacks) influences the growth of the continuous thermal monitoring market.

**Product Development/ Innovation:** Microchip Technology introduced the MCP998x family, comprising 10 automotive-qualified remote temperature sensors capable of monitoring multiple channels accurately. These sensors feature integrated resistance error correction and beta compensation, enhancing precision and reducing the need for additional components. Designed to operate across a wide temperature range, the MCP998x family offers up to five monitoring channels, with certain models including fixed shutdown temperature setpoints for added safety. This product line addresses the growing demand for reliable thermal management in automotive and industrial applications.

**Market Development:** The development of continuous thermal monitoring systems are moving towards greater efficiency and electrical equipment safety. Additionally, the growing focus on energy efficiency and sustainability has led industries to implement thermal monitoring systems to optimize energy use and reduce carbon footprints.

**Market Diversification:** Honeywell expanded its Emissions Management Suite to include decarbonization audits and reduction roadmaps for thermal solutions. This enhancement aimed to help industries identify emissions reduction opportunities and implement tailored strategies to achieve sustainability goals, aligning with global efforts to combat climate change.

**Competitive Assessment:** In-depth assessment of market shares, growth strategies, and service offerings of leading players like ABB (Switzerland), Siemens (Germany), Schneider Electric (France), Honeywell International Inc. (US) and Teledyne Technologies Incorporated (US) among others in the continuous thermal monitoring market.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

#### 1.3 STUDY SCOPE

##### 1.3.1 MARKETS COVERED AND REGIONAL SCOPE

##### 1.3.2 INCLUSIONS AND EXCLUSIONS

##### 1.3.3 YEARS CONSIDERED

#### 1.4 LIMITATIONS

#### 1.5 UNIT CONSIDERED

#### 1.6 CURRENCY CONSIDERED

#### 1.7 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

##### 2.1.1 SECONDARY DATA

###### 2.1.1.1 Key data from secondary sources

###### 2.1.1.2 List of key secondary sources

##### 2.1.2 PRIMARY DATA

###### 2.1.2.1 Key data from primary sources

###### 2.1.2.2 Key industry insights

###### 2.1.2.3 List of primary interview participants

###### 2.1.2.4 Breakdown of primaries

#### 2.2 MARKET BREAKDOWN AND DATA TRIANGULATION

#### 2.3 MARKET SCOPE

#### 2.4 MARKET SIZE ESTIMATION METHODOLOGY

##### 2.4.1 BOTTOM-UP APPROACH

###### 2.4.1.1 Demand-side analysis

###### 2.4.1.2 Regional analysis

###### 2.4.1.3 Country-level analysis

###### 2.4.1.4 Demand-side assumptions

###### 2.4.1.5 Demand-side calculations

##### 2.4.2 TOP-DOWN APPROACH

###### 2.4.2.1 Supply-side analysis

###### 2.4.2.2 Supply-side assumptions

###### 2.4.2.3 Supply-side calculations

2.5 FORECAST ASSUMPTIONS

2.6 RISK ANALYSIS

2.7 RESEARCH ASSUMPTIONS

2.8 RESEARCH LIMITATIONS

### **3 EXECUTIVE SUMMARY**

### **4 PREMIUM INSIGHTS**

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN CONTINUOUS THERMAL MONITORING MARKET

4.2 CONTINUOUS THERMAL MONITORING MARKET IN ASIA PACIFIC, BY OFFERING AND COUNTRY

4.3 CONTINUOUS THERMAL MONITORING MARKET, BY OFFERING

4.4 CONTINUOUS THERMAL MONITORING MARKET, BY APPLICATION

4.5 CONTINUOUS THERMAL MONITORING MARKET, BY END USER

4.6 CONTINUOUS THERMAL MONITORING MARKET, BY REGION

### **5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Growing emphasis on predictive maintenance

5.2.1.2 Rising adoption of IoT and AI technology

5.2.1.3 Increasing adoption of industrial automation

5.2.2 RESTRAINTS

5.2.2.1 High initial costs associated with advanced monitoring systems

5.2.2.2 Technical complexities in integrating advanced monitoring systems with existing industrial infrastructure

5.2.3 OPPORTUNITIES

5.2.3.1 Rapid deployment of smart grids

5.2.3.2 Growing demand in renewable energy sector

5.2.3.3 Increasing demand for data centers

5.2.4 CHALLENGES

5.2.4.1 Rising cyberattacks

5.3 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

5.4 VALUE CHAIN ANALYSIS

5.5 ECOSYSTEM ANALYSIS

## 5.6 CASE STUDY ANALYSIS

5.6.1 SENZMATE IMPLEMENTS REAL-TIME TEMPERATURE MONITORING SOLUTIONS IN PHARMACEUTICAL WAREHOUSES TO BOOST OPERATIONAL EFFICIENCY

5.6.2 EMERSON PROVIDES SABIC WITH ROSEMOUNT WIRELESS TRANSMITTERS THAT OFFER CONTINUOUS AND REAL-TIME TEMPERATURE MONITORING ACROSS CRITICAL EQUIPMENT

5.6.3 GRACESENSE HOT SPOT MONITORING ADDRESSES OVERHEATING ISSUES IN ELECTRICAL EQUIPMENT IN INDUSTRIAL FACILITIES

## 5.7 TECHNOLOGY ANALYSIS

### 5.7.1 KEY TECHNOLOGIES

5.7.1.1 Thermal sensors and infrared cameras

### 5.7.2 ADJACENT TECHNOLOGIES

5.7.2.1 Predictive maintenance

### 5.7.3 COMPLEMENTARY TECHNOLOGIES

5.7.3.1 Acoustic imaging

## 5.8 PRICING ANALYSIS

5.8.1 INDICATIVE PRICING OF CONTINUOUS THERMAL MONITORING SOLUTIONS, BY OFFERING, 2023

5.8.2 AVERAGE SELLING PRICE TREND OF HARDWARE, BY REGION, 2021–2023

## 5.9 TRADE ANALYSIS

5.9.1 IMPORT SCENARIO (HS CODE 903289)

5.9.2 EXPORT SCENARIO (HS CODE 903289)

## 5.10 PATENT ANALYSIS

## 5.11 KEY CONFERENCES AND EVENTS, 2024–2025

## 5.12 INVESTMENT AND FUNDING SCENARIO

## 5.13 TARIFF AND REGULATORY LANDSCAPE

5.13.1 TARIFFS RELATED TO CONTINUOUS THERMAL MONITORING

5.13.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

## 5.14 PORTER'S FIVE FORCES ANALYSIS

5.14.1 THREAT OF SUBSTITUTES

5.14.2 BARGAINING POWER OF SUPPLIERS

5.14.3 BARGAINING POWER OF BUYERS

5.14.4 THREAT OF NEW ENTRANTS

5.14.5 INTENSITY OF COMPETITIVE RIVALRY

## 5.15 KEY STAKEHOLDERS AND BUYING CRITERIA

5.15.1 KEY STAKEHOLDERS IN BUYING PROCESS

5.15.2 BUYING CRITERIA



## 5.16 IMPACT OF AI/GENERATIVE AI IN CONTINUOUS THERMAL MONITORING MARKET

### 5.16.1 ADOPTION OF AI/GENERATIVE AI APPLICATIONS IN CONTINUOUS THERMAL MONITORING MARKET

#### 5.16.2 IMPACT OF AI/GENERATIVE AI ON OFFERING, BY REGION

### 5.16.3 IMPACT OF AI/GENERATIVE AI ON CONTINUOUS THERMAL MONITORING MARKET, BY REGION

## 5.17 MACROECONOMIC OUTLOOK ON CONTINUOUS THERMAL MARKET

### 5.17.1 INTRODUCTION

### 5.17.2 GDP TRENDS AND FORECAST

### 5.17.3 INFLATION

## 6 CONTINUOUS THERMAL MONITORING MARKET, BY OFFERING

### 6.1 INTRODUCTION

### 6.2 HARDWARE

#### 6.2.1 GROWING ADOPTION OF INDUSTRY 4.0 AND IOT-ENABLED SOLUTIONS TO BOOST DEMAND

### 6.3 SOFTWARE

#### 6.3.1 RISING EMPHASIS ON DIGITAL TRANSFORMATION TO FUEL MARKET GROWTH

### 6.4 SERVICES

#### 6.4.1 INCREASING ADOPTION OF IOT-ENABLED TECHNOLOGIES TO OFFER LUCRATIVE GROWTH OPPORTUNITIES

## 7 CONTINUOUS THERMAL MONITORING MARKET, BY APPLICATION

### 7.1 INTRODUCTION

### 7.2 BUS DUCT MONITORS

#### 7.2.1 GROWING DEMAND FOR UNINTERRUPTED POWER DISTRIBUTION AND OPERATIONAL SAFETY TO FUEL MARKET GROWTH

### 7.3 SWITCHGEAR

#### 7.3.1 LOW-VOLTAGE SWITCHGEAR

##### 7.3.1.1 Increasing adoption of automation and energy-efficient systems to boost demand

#### 7.3.2 MEDIUM-VOLTAGE SWITCHGEAR

##### 7.3.2.1 Growing adoption in utilities, manufacturing, and renewable energy sectors to support market growth

### 7.4 MOTOR CONTROL CENTERS



7.4.1 RISING COMPLEXITIES ASSOCIATED WITH AUTOMATED AND CONNECTED SYSTEMS TO FOSTER MARKET GROWTH

7.5 DRY TRANSFORMERS

7.5.1 INCREASING ADOPTION OF RENEWABLE ENERGY AND SMART GRIDS TO BOOST DEMAND

7.6 LOW-VOLTAGE TRANSFORMERS

7.6.1 INTEGRATION OF COMPACT THERMAL SENSORS AND ADVANCED ANALYTICS TOOLS TO OFFER LUCRATIVE GROWTH OPPORTUNITIES

7.7 OTHER APPLICATIONS

## **8 CONTINUOUS THERMAL MONITORING MARKET, BY END USER**

8.1 INTRODUCTION

8.2 DATA CENTERS

8.2.1 RISING DEMAND FOR CLOUD COMPUTING AND EDGE COMPUTING TO FUEL MARKET GROWTH

8.3 OIL & GAS

8.3.1 NEED TO REDUCE RELIANCE ON COMPLEX ELECTRICAL EQUIPMENT OPERATING IN HAZARDOUS ENVIRONMENTS TO BOOST DEMAND

8.4 LOGISTICS

8.4.1 INCREASING EMPHASIS ON ENERGY EFFICIENCY AND SUSTAINABILITY TO SUPPORT MARKET GROWTH

8.5 UTILITIES

8.5.1 RISING NEED TO ENHANCE PERFORMANCE OF SUBSTATIONS, TRANSFORMERS, AND DISTRIBUTION NETWORKS TO FOSTER SEGMENTAL GROWTH

8.6 MANUFACTURING

8.6.1 GROWING DEPENDENCE ON HIGH-PERFORMANCE ELECTRICAL EQUIPMENT TO BOOST DEMAND

8.7 HEALTHCARE

8.7.1 INCREASING APPLICATION OF IOT-ENABLED DEVICES TO SUPPORT MARKET GROWTH

8.8 RETAIL

8.8.1 GROWING ADOPTION OF AUTOMATED CHECKOUT SYSTEMS, SMART LIGHTING, AND REFRIGERATION UNITS TO OFFER LUCRATIVE GROWTH OPPORTUNITIES

8.9 TELECOMMUNICATIONS

8.9.1 EXPANSION OF 5G NETWORKS TO FOSTER MARKET GROWTH

8.10 OTHER END USERS

## **9 CONTINUOUS THERMAL MONITORING MARKET, BY REGION**

### **9.1 INTRODUCTION**

### **9.2 NORTH AMERICA**

#### **9.2.1 US**

9.2.1.1 Rising emphasis on expanding advanced manufacturing and energy infrastructure to boost demand

#### **9.2.2 CANADA**

9.2.2.1 Expanding industrial sector to fuel market growth

#### **9.2.3 MEXICO**

9.2.3.1 Growing emphasis on energy efficiency and sustainability to support market growth

### **9.3 ASIA PACIFIC**

#### **9.3.1 CHINA**

9.3.1.1 Growing demand for healthcare services and medical devices to fuel market growth

#### **9.3.2 AUSTRALIA**

9.3.2.1 Transition toward low-carbon future to offer lucrative growth opportunities

#### **9.3.3 INDIA**

9.3.3.1 Rising oil consumption and data center growth to support market growth

#### **9.3.4 JAPAN**

9.3.4.1 Rising demand for inpatient care to foster market growth

#### **9.3.5 SOUTH KOREA**

9.3.5.1 Growing demand for high-tech manufacturing and sustainable technologies to fuel market growth

#### **9.3.6 REST OF ASIA PACIFIC**

### **9.4 EUROPE**

#### **9.4.1 GERMANY**

9.4.1.1 Rising demand for natural gas and reliance on LNG imports to fuel market growth

#### **9.4.2 UK**

9.4.2.1 Government-led initiatives to boost development of data centers to foster market growth

#### **9.4.3 FRANCE**

9.4.3.1 Growing need for maintaining optimal storage conditions for sensitive goods to accelerate demand

#### **9.4.4 ITALY**

9.4.4.1 Rising emphasis on reducing energy wastage to support market growth

#### 9.4.5 RUSSIA

9.4.5.1 Expanding manufacturing sector to fuel market growth

#### 9.4.6 REST OF EUROPE

### 9.5 MIDDLE EAST & AFRICA

#### 9.5.1 GCC

##### 9.5.1.1 Saudi Arabia

9.5.1.1.1 Rising shift toward cleaner energy technologies to foster market growth

##### 9.5.1.2 UAE

9.5.1.2.1 Growing demand for advanced thermal monitoring systems in food & beverage sector to support market growth

##### 9.5.1.3 Kuwait

9.5.1.3.1 Ongoing technological advancements in thermal imaging systems to offer lucrative growth opportunities

##### 9.5.1.4 Rest of GCC

#### 9.5.2 SOUTH AFRICA

9.5.2.1 Increasing adoption of solar energy solutions to fuel market growth

#### 9.5.3 REST OF MIDDLE EAST & AFRICA

### 9.6 SOUTH AMERICA

#### 9.6.1 BRAZIL

9.6.1.1 Rising emphasis on developing digital infrastructure to drive market

#### 9.6.2 ARGENTINA

9.6.2.1 Rapid development in healthcare sector to boost demand

#### 9.6.3 REST OF SOUTH AMERICA

## 10 COMPETITIVE LANDSCAPE

### 10.1 OVERVIEW

### 10.2 KEY PLAYER STRATEGIES/RIGHT TO WIN, 2020–2024

### 10.3 REVENUE ANALYSIS, 2019–2023

### 10.4 MARKET SHARE ANALYSIS, 2023

### 10.5 COMPANY VALUATION AND FINANCIAL METRICS, 2025

### 10.6 BRAND/PRODUCT COMPARISON

### 10.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

#### 10.7.1 STARS

#### 10.7.2 EMERGING LEADERS

#### 10.7.3 PERVASIVE PLAYERS

#### 10.7.4 PARTICIPANTS

#### 10.7.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023

##### 10.7.5.1 Company footprint

10.7.5.2 Region footprint

10.7.5.3 Offering footprint

10.7.5.4 Application footprint

10.7.5.5 End user footprint

## 10.8 COMPANY EVALUATION MATRIX: STARTUPS/SMES, 2023

10.8.1 PROGRESSIVE COMPANIES

10.8.2 RESPONSIVE COMPANIES

10.8.3 DYNAMIC COMPANIES

10.8.4 STARTING BLOCKS

10.8.5 COMPETITIVE BENCHMARKING: STARTUPS/SMES, 2023

10.8.5.1 Detailed list of key startups/SMEs

10.8.5.2 Competitive benchmarking of key startups/SMEs

## 10.9 COMPETITIVE SCENARIO

10.9.1 PRODUCT LAUNCHES

10.9.2 DEALS

10.9.3 EXPANSIONS

10.9.4 OTHER DEVELOPMENTS

## 11 COMPANY PROFILES

### 11.1 KEY PLAYERS

#### 11.1.1 ABB

11.1.1.1 Business overview

11.1.1.2 Products/Solutions/Services offered

11.1.1.3 Recent developments

11.1.1.3.1 Product launches

11.1.1.3.2 Deals

11.1.1.3.3 Expansions

11.1.1.3.4 Other developments

#### 11.1.1.4 MnM view

11.1.1.4.1 Key strengths/Right to win

11.1.1.4.2 Strategic choices

11.1.1.4.3 Weaknesses/Competitive threats

#### 11.1.2 SIEMENS

11.1.2.1 Business overview

11.1.2.2 Products/Solutions/Services offered

11.1.2.3 Recent developments

11.1.2.3.1 Deals

11.1.2.3.2 Other developments

- 11.1.2.3.3 Expansions
- 11.1.2.4 MnM view
  - 11.1.2.4.1 Key strengths/Right to win
  - 11.1.2.4.2 Strategic choices
  - 11.1.2.4.3 Weaknesses/Competitive threats
- 11.1.3 HONEYWELL INTERNATIONAL INC.
  - 11.1.3.1 Business overview
  - 11.1.3.2 Products/Solutions/Services offered
  - 11.1.3.3 Recent developments
    - 11.1.3.3.1 Expansions
    - 11.1.3.3.2 Other developments
  - 11.1.3.4 MnM view
    - 11.1.3.4.1 Key strengths/Right to win
    - 11.1.3.4.2 Strategic choices
    - 11.1.3.4.3 Weaknesses/Competitive threats
- 11.1.4 SCHNEIDER ELECTRIC
  - 11.1.4.1 Business overview
  - 11.1.4.2 Products/Solutions/Services offered
  - 11.1.4.3 Recent developments
    - 11.1.4.3.1 Product launches
    - 11.1.4.3.2 Expansions
    - 11.1.4.3.3 Other developments
  - 11.1.4.4 MnM view
    - 11.1.4.4.1 Key strengths/Right to win
    - 11.1.4.4.2 Strategic choices
    - 11.1.4.4.3 Weaknesses/Competitive threats
- 11.1.5 ADVANCED ENERGY
  - 11.1.5.1 Business overview
  - 11.1.5.2 Products/Solutions/Services offered
  - 11.1.5.3 Recent developments
    - 11.1.5.3.1 Expansions
- 11.1.6 MICROCHIP TECHNOLOGY INC.
  - 11.1.6.1 Business overview
  - 11.1.6.2 Products/Solutions/Services offered
  - 11.1.6.3 Recent developments
    - 11.1.6.3.1 Product launches
    - 11.1.6.3.2 Developments
    - 11.1.6.3.3 Expansions
- 11.1.7 TELEDYNE TECHNOLOGIES INCORPORATED

- 11.1.7.1 Business overview
- 11.1.7.2 Products/Solutions/Services offered
- 11.1.7.3 Recent developments
  - 11.1.7.3.1 Product launches
  - 11.1.7.3.2 Deals
- 11.1.7.4 MnM view
  - 11.1.7.4.1 Key strengths/Right to win
  - 11.1.7.4.2 Strategic choices
  - 11.1.7.4.3 Weaknesses/Competitive threats
- 11.1.8 WIKA ALEXANDER WIEGAND SE & CO. KG
  - 11.1.8.1 Business overview
  - 11.1.8.2 Products/Solutions/Services offered
- 11.1.9 CALEX ELECTRONICS LIMITED
  - 11.1.9.1 Business overview
  - 11.1.9.2 Products/Solutions/Services offered
- 11.1.10 OMRON CORPORATION
  - 11.1.10.1 Business overview
  - 11.1.10.2 Products/Solutions/Services offered
- 11.1.11 POWELL INDUSTRIES
  - 11.1.11.1 Business overview
  - 11.1.11.2 Products/Solutions/Services offered
- 11.1.12 DYNAMIC RATINGS
  - 11.1.12.1 Business overview
  - 11.1.12.2 Products/Solutions/Services offered
  - 11.1.12.3 Recent developments
    - 11.1.12.3.1 Expansions
- 11.1.13 DOBLE ENGINEERING COMPANY
  - 11.1.13.1 Business overview
  - 11.1.13.2 Products/Solutions/Services offered
  - 11.1.13.3 Recent developments
    - 11.1.13.3.1 Expansion
- 11.1.14 EXTERTHERM
  - 11.1.14.1 Business overview
  - 11.1.14.2 Products/Solutions/Services offered
  - 11.1.14.3 Recent developments
    - 11.1.14.3.1 Deals
- 11.1.15 OPTRIS
  - 11.1.15.1 Business overview
  - 11.1.15.2 Products/Solutions/Services offered

## 11.2 OTHER PLAYERS

11.2.1 OSENSA INNOVATIONS

11.2.2 BLUE JAY TECHNOLOGY CO. LTD.

11.2.3 AP SENSING

11.2.4 RUGGED MONITORING

11.2.5 INFRASENSING

11.2.6 TRISQUARE SWITCHGEARS PVT. LTD.

11.2.7 GRACE TECHNOLOGIES, INC.

11.2.8 DPSTAR GROUP

11.2.9 COMEM S.P.A.

11.2.10 ORION ITALIA S.R.L

## 12 APPENDIX

12.1 INSIGHTS OF INDUSTRY EXPERTS

12.2 DISCUSSION GUIDE

12.3 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

12.4 CUSTOMIZATION OPTIONS

12.5 RELATED REPORTS

12.6 AUTHOR DETAILS



## I would like to order

Product name: Continuous Thermal Monitoring Market by Offering (Hardware, Software, Service), Application (Bus Duct Monitors, Switchgear, Motor Control Centers, Low-voltage Transformers, Dry Transformers), End User, and Region - Global Forecast to 2030

Product link: <https://marketpublishers.com/r/C62CB31569F4EN.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/C62CB31569F4EN.html>