

# **Meter Data Management System Market Report by Component Type (Hardware, Software and Services), Utility Type (Electricity, Gas, Water), Application (Smart Grid, Microgrid, Energy Storage, EV Charging, and Others), Deployment Type (Cloud-based, On-premises), End-User (Residential, Commercial, Industrial), and Region 2024-2032**

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## **Abstracts**

The global meter data management system market size reached US\$ 279.9 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,135.1 Million by 2032, exhibiting a growth rate (CAGR) of 16.3% during 2024-2032.

A meter data management system (MDMS) refers to a software-based application that is used to collect readings from automated metering devices. It acts as a crucial component of the advanced metering infrastructure (AMI) that enables bidirectional communication between the meter and central management system. The system primarily includes smart meters that measure gas, electricity and water consumption, along with devices to import, validate and process data before it is used for analysis and final billing. In comparison to the traditionally used systems, MDMS enables the user to consolidate all consumption data under a single structure and manage both analog and interval data to optimize business processes.

The global market is primarily driven by the increasing deployment of smart grids, along with rapid urbanization across the globe. There is growing consumer demand, especially in the residential sector, for efficient data monitoring systems to manage the overall energy consumption and effectively track their utility bills. Furthermore, widespread adoption of advanced metering technologies for power outage management

and enhancing grid reliability, are also providing a boost to the market growth. MDM systems can detect power outages and provide users with real-time updates based on their energy consumption. Additionally, the modernization of aging power infrastructure, especially in the developing economies, is creating a positive impact on the market growth. Other factors, including the integration of advanced metering systems with the cloud computing systems and Internet-of-Things (IoT), along with extensive research and development (R&D) activities, are projected to drive the market further.

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#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global meter data management system market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component type, utility type, application, deployment type and end-user.

#### Breakup by Component Type:

- Hardware
- Software and Services

#### Breakup by Utility Type:

- Electricity
- Gas
- Water

**Breakup by Application:**

Smart Grid  
Microgrid  
Energy Storage  
EV Charging  
Others

**Breakup by Deployment Type:**

Cloud-based  
On-premises

**Breakup by End-User:**

Residential  
Commercial  
Industrial

**Breakup by Region:**

North America  
United States  
Canada  
Asia Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being ABB Ltd., Aclara Technologies LLC, Arad Group, Diehl Stiftung & Co. KG, Eaton Corporation Inc., Elster Group GmbH, Honeywell International Inc., Itron Inc., Kamstrup, Landis+Gyr, Oracle Corporation, Schneider Electric, Siemens, Trilliant Holdings Inc., etc.

Key Questions Answered in This Report:

How has the global meter data management system market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global meter data management system market?

What is the breakup of the market based on the component type?

What is the breakup of the market based on the utility type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the deployment type?

What is the breakup of the market based on the end-user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global meter data management system market and who are the key players?

What is the degree of competition in the industry?

## Contents

### 1 PREFACE

### 2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### 3 EXECUTIVE SUMMARY

### 4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

### 5 GLOBAL METER DATA MANAGEMENT SYSTEM MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### 6 MARKET BREAKUP BY COMPONENT TYPE

- 6.1 Hardware
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Software and Services
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast

## **7 MARKET BREAKUP BY UTILITY TYPE**

### 7.1 Electricity

7.1.1 Market Trends

7.1.2 Market Forecast

### 7.2 Gas

7.2.1 Market Trends

7.2.2 Market Forecast

### 7.3 Water

7.3.1 Market Trends

7.3.2 Market Forecast

## **8 MARKET BREAKUP BY APPLICATION**

### 8.1 Smart Grid

8.1.1 Market Trends

8.1.2 Market Forecast

### 8.2 Microgrid

8.2.1 Market Trends

8.2.2 Market Forecast

### 8.3 Energy Storage

8.3.1 Market Trends

8.3.2 Market Forecast

### 8.4 EV Charging

8.4.1 Market Trends

8.4.2 Market Forecast

### 8.5 Others

8.5.1 Market Trends

8.5.2 Market Forecast

## **9 MARKET BREAKUP BY DEPLOYMENT TYPE**

### 9.1 Cloud-based

9.1.1 Market Trends

9.1.2 Market Forecast

### 9.2 On-premises

9.2.1 Market Trends

9.2.2 Market Forecast

## **10 MARKET BREAKUP BY END-USER**

### 10.1 Residential

10.1.1 Market Trends

10.1.2 Market Forecast

### 10.2 Commercial

10.2.1 Market Trends

10.2.2 Market Forecast

### 10.3 Industrial

10.3.1 Market Trends

10.3.2 Market Forecast

## **11 MARKET BREAKUP BY REGION**

### 11.1 North America

11.1.1 United States

11.1.1.1 Market Trends

11.1.1.2 Market Forecast

11.1.2 Canada

11.1.2.1 Market Trends

11.1.2.2 Market Forecast

### 11.2 Asia Pacific

11.2.1 China

11.2.1.1 Market Trends

11.2.1.2 Market Forecast

11.2.2 Japan

11.2.2.1 Market Trends

11.2.2.2 Market Forecast

11.2.3 India

11.2.3.1 Market Trends

11.2.3.2 Market Forecast

11.2.4 South Korea

11.2.4.1 Market Trends

11.2.4.2 Market Forecast

11.2.5 Australia

11.2.5.1 Market Trends

11.2.5.2 Market Forecast

11.2.6 Indonesia

11.2.6.1 Market Trends

- 11.2.6.2 Market Forecast
- 11.2.7 Others
  - 11.2.7.1 Market Trends
  - 11.2.7.2 Market Forecast
- 11.3 Europe
  - 11.3.1 Germany
    - 11.3.1.1 Market Trends
    - 11.3.1.2 Market Forecast
  - 11.3.2 France
    - 11.3.2.1 Market Trends
    - 11.3.2.2 Market Forecast
  - 11.3.3 United Kingdom
    - 11.3.3.1 Market Trends
    - 11.3.3.2 Market Forecast
  - 11.3.4 Italy
    - 11.3.4.1 Market Trends
    - 11.3.4.2 Market Forecast
  - 11.3.5 Spain
    - 11.3.5.1 Market Trends
    - 11.3.5.2 Market Forecast
  - 11.3.6 Russia
    - 11.3.6.1 Market Trends
    - 11.3.6.2 Market Forecast
  - 11.3.7 Others
    - 11.3.7.1 Market Trends
    - 11.3.7.2 Market Forecast
- 11.4 Latin America
  - 11.4.1 Brazil
    - 11.4.1.1 Market Trends
    - 11.4.1.2 Market Forecast
  - 11.4.2 Mexico
    - 11.4.2.1 Market Trends
    - 11.4.2.2 Market Forecast
  - 11.4.3 Others
    - 11.4.3.1 Market Trends
    - 11.4.3.2 Market Forecast
- 11.5 Middle East and Africa
  - 11.5.1 Market Trends
  - 11.5.2 Market Breakup by Country



### 11.5.3 Market Forecast

## **12 SWOT ANALYSIS**

- 12.1 Overview
- 12.2 Strengths
- 12.3 Weaknesses
- 12.4 Opportunities
- 12.5 Threats

## **13 VALUE CHAIN ANALYSIS**

## **14 PORTERS FIVE FORCES ANALYSIS**

- 14.1 Overview
- 14.2 Bargaining Power of Buyers
- 14.3 Bargaining Power of Suppliers
- 14.4 Degree of Competition
- 14.5 Threat of New Entrants
- 14.6 Threat of Substitutes

## **15 PRICE INDICATORS**

## **16 COMPETITIVE LANDSCAPE**

- 16.1 Market Structure
- 16.2 Key Players
- 16.3 Profiles of Key Players
  - 16.3.1 ABB Ltd.
    - 16.3.1.1 Company Overview
    - 16.3.1.2 Product Portfolio
    - 16.3.1.3 Financials
    - 16.3.1.4 SWOT Analysis
  - 16.3.2 Aclara Technologies LLC
    - 16.3.2.1 Company Overview
    - 16.3.2.2 Product Portfolio
    - 16.3.2.3 SWOT Analysis
  - 16.3.3 Arad Group
    - 16.3.3.1 Company Overview

- 16.3.3.2 Product Portfolio
- 16.3.3.3 Financials
- 16.3.4 Diehl Stiftung & Co. KG
  - 16.3.4.1 Company Overview
  - 16.3.4.2 Product Portfolio
  - 16.3.4.3 Financials
- 16.3.5 Eaton Corporation Inc.
  - 16.3.5.1 Company Overview
  - 16.3.5.2 Product Portfolio
  - 16.3.5.3 Financials
  - 16.3.5.4 SWOT Analysis
- 16.3.6 Elster Group GmbH
  - 16.3.6.1 Company Overview
  - 16.3.6.2 Product Portfolio
- 16.3.7 Honeywell International Inc.
  - 16.3.7.1 Company Overview
  - 16.3.7.2 Product Portfolio
  - 16.3.7.3 Financials
  - 16.3.7.4 SWOT Analysis
- 16.3.8 Itron Inc.
  - 16.3.8.1 Company Overview
  - 16.3.8.2 Product Portfolio
  - 16.3.8.3 Financials
  - 16.3.8.4 SWOT Analysis
- 16.3.9 Kamstrup
  - 16.3.9.1 Company Overview
  - 16.3.9.2 Product Portfolio
  - 16.3.9.3 Financials
- 16.3.10 Landis+Gyr
  - 16.3.10.1 Company Overview
  - 16.3.10.2 Product Portfolio
  - 16.3.10.3 SWOT Analysis
- 16.3.11 Oracle Corporation
  - 16.3.11.1 Company Overview
  - 16.3.11.2 Product Portfolio
  - 16.3.11.3 Financials
  - 16.3.11.4 SWOT Analysis
- 16.3.12 Schneider Electric
  - 16.3.12.1 Company Overview

- 16.3.12.2 Product Portfolio
- 16.3.12.3 Financials
- 16.3.13 Siemens
  - 16.3.13.1 Company Overview
  - 16.3.13.2 Product Portfolio
  - 16.3.13.3 Financials
  - 16.3.13.4 SWOT Analysis
- 16.3.14 Trilliant Holdings Inc.
  - 16.3.14.1 Company Overview
  - 16.3.14.2 Product Portfolio

## List Of Tables

### LIST OF TABLES

Table 1: Global: Meter Data Management System Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Meter Data Management System Market Forecast: Breakup by Component Type (in Million US\$), 2024-2032

Table 3: Global: Meter Data Management System Market Forecast: Breakup by Utility Type (in Million US\$), 2024-2032

Table 4: Global: Meter Data Management System Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Meter Data Management System Market Forecast: Breakup by Deployment Type (in Million US\$), 2024-2032

Table 6: Global: Meter Data Management System Market Forecast: Breakup by End-User (in Million US\$), 2024-2032

Table 7: Global: Meter Data Management System Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 8: Global: Meter Data Management System Market Structure

Table 9: Global: Meter Data Management System Market: Key Players

## List Of Figures

### LIST OF FIGURES

- Figure 1: Global: Meter Data Management System Market: Major Drivers and Challenges
- Figure 2: Global: Meter Data Management System Market: Sales Value (in Million US\$), 2018-2023
- Figure 3: Global: Meter Data Management System Market: Breakup by Component Type (in %), 2023
- Figure 4: Global: Meter Data Management System Market: Breakup by Utility Type (in %), 2023
- Figure 5: Global: Meter Data Management System Market: Breakup by Application (in %), 2023
- Figure 6: Global: Meter Data Management System Market: Breakup by Deployment Type (in %), 2023
- Figure 7: Global: Meter Data Management System Market: Breakup by End-User (in %), 2023
- Figure 8: Global: Meter Data Management System Market: Breakup by Region (in %), 2023
- Figure 9: Global: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 10: Global: Meter Data Management System (Hardware) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 11: Global: Meter Data Management System (Hardware) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 12: Global: Meter Data Management System (Software and Services) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 13: Global: Meter Data Management System (Software and Services) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 14: Global: Meter Data Management System (Electricity) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 15: Global: Meter Data Management System (Electricity) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 16: Global: Meter Data Management System (Gas) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 17: Global: Meter Data Management System (Gas) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 18: Global: Meter Data Management System (Water) Market: Sales Value (in

Million US\$), 2018 & 2023

Figure 19: Global: Meter Data Management System (Water) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Meter Data Management System (Smart Grid) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Meter Data Management System (Smart Grid) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Meter Data Management System (Microgrid) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Meter Data Management System (Microgrid) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Meter Data Management System (Energy Storage) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Meter Data Management System (Energy Storage) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Meter Data Management System (EV Charging) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Meter Data Management System (EV Charging) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: Meter Data Management System (Others) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: Meter Data Management System (Others) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Global: Meter Data Management System (Cloud-based) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Global: Meter Data Management System (Cloud-based) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Global: Meter Data Management System (On-premises) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Global: Meter Data Management System (On-premises) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Global: Meter Data Management System (Residential) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Global: Meter Data Management System (Residential) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Global: Meter Data Management System (Commercial) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Global: Meter Data Management System (Commercial) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Global: Meter Data Management System (Industrial) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Global: Meter Data Management System (Industrial) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: North America: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: North America: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: United States: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: United States: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Canada: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Canada: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Asia Pacific: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Asia Pacific: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: China: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: China: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Japan: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Japan: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: India: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: India: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: South Korea: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: South Korea: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: Australia: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Australia: Meter Data Management System Market Forecast: Sales Value (in

Million US\$), 2024-2032

Figure 58: Indonesia: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Indonesia: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Others: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Others: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Europe: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Europe: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Germany: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Germany: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: France: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: France: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: United Kingdom: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: United Kingdom: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Italy: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Italy: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Spain: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Spain: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Russia: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Russia: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Others: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023



Figure 77: Others: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 78: Latin America: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 79: Latin America: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 80: Brazil: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 81: Brazil: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 82: Mexico: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 83: Mexico: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 84: Others: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 85: Others: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 86: Middle East and Africa: Meter Data Management System Market: Sales Value (in Million US\$), 2018 & 2023

Figure 87: Middle East and Africa: Meter Data Management System Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 88: Global: Meter Data Management System Industry: SWOT Analysis

Figure 89: Global: Meter Data Management System Industry: Value Chain Analysis

Figure 90: Global: Meter Data Management System Industry: Porter's Five Forces Analysis

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