

Utility Scale Smart Meters Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

Market Report | 2024-09-30 | 100 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$5350.00
- Enterprise User \$8350.00

Report description:

The Global Utility-Scale Smart Meter Market, valued at USD 4 billion in 2023, is projected to grow at a CAGR of 16.3% from 2024 to 2032. This rapid growth is largely driven by the rising demand for efficient energy management solutions and various government initiatives supporting smart grid technology. Smart meters play a key role in monitoring electricity usage in real-time, helping minimize energy wastage and optimize energy distribution. Utility companies are increasingly adopting these devices to improve grid reliability, cut operational expenses, and meet sustainability objectives. Additionally, the integration of advanced technologies like IoT and AI is accelerating the expansion of the market.

Government regulations and financial support across key regions such as North America, Europe, and Asia Pacific significantly contribute to the widespread implementation of smart meters. Growing concerns about energy efficiency, carbon footprint reduction, and the need to integrate renewable energy sources are pushing the adoption of smart metering technology. As consumers become more aware of energy conservation benefits, the demand for smart meters continues to rise, particularly as global energy consumption grows and digital energy infrastructure becomes increasingly important.

The Advanced Metering Infrastructure (AMI) segment is expected to surpass USD 12.8 billion by 2032, driven by its critical role in energy distribution management and real-time consumption monitoring. AMI systems, which include smart meters, communication networks, and data management platforms, allow two-way communication between utilities and their customers. This infrastructure enables utilities to enhance grid reliability, improve billing accuracy, and implement demand response programs, making it a key part of modern energy management solutions.

On the product front, the smart electric meter segment is anticipated to experience a CAGR of over 16% through 2032 as governments and utility companies prioritize energy conservation and sustainable practices. Smart electric meters provide real-time consumption data, promoting efficient energy use among consumers and aiding utilities in optimizing energy distribution.

The U.S. utility-scale smart meter market is forecasted to reach USD 1.3 billion by 2032, supported by strong government policies to modernize energy infrastructure. Similarly, the Asia Pacific region has been a leader in the early adoption of smart metering technology, setting an example for other regions and maintaining its leadership in energy innovation.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

Chapter 2 Executive Summary

2.1 Industry 360° synopsis, 2021 - 2032

Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL analysis

Chapter 4 Competitive landscape, 2024

- 4.1 Strategic dashboard
- 4.2 Innovation & sustainability landscape

Chapter 5 Market Size and Forecast, By Technology, 2021 - 2032 (USD Million, '000 Units)

- 5.1 Key trends
- 5.2 AMI
- 5.3 AMR

Chapter 6 Market Size and Forecast, By Product, 2021 - 2032 (USD Million, '000 Units)

- 6.1 Key trends
- 6.2 Smart gas
- 6.3 Smart water
- 6.4 Smart electric

Chapter 7 Market Size and Forecast, By Region, 2021 - 2032 (USD Million, '000 Units)

- 7.1 Key trends
- 7.2 North America
 - 7.2.1.1 U.S.
 - 7.2.1.2 Canada
- 7.3 Europe
 - 7.3.1.1 Germany
 - 7.3.1.2 UK
 - 7.3.1.3 France

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.3.1.4 Italy
- 7.3.1.5 Spain
- 7.4 Asia Pacific
 - 7.4.1.1 China
 - 7.4.1.2 Australia
 - 7.4.1.3 India
 - 7.4.1.4 Japan
 - 7.4.1.5 South Korea
- 7.5 Middle East & Africa
 - 7.5.1.1 Saudi Arabia
 - 7.5.1.2 UAE
 - 7.5.1.3 South Africa
- 7.6 Latin America
 - 7.6.1.1 Brazil
 - 7.6.1.2 Argentina
- Chapter 8 Company Profiles
 - 8.1 ABB
 - 8.2 Belden Inc.
 - 8.3 CG Power & Industrial Solutions.
 - 8.4 Cisco Systems.
 - 8.5 Eaton
 - 8.6 Efacec
 - 8.7 General Electric
 - 8.8 Hitachi Energy.
 - 8.9 L&T Electrical and Automation
 - 8.10 Locamation
 - 8.11 NetControl Group
 - 8.12 NR Electric.
 - 8.13 Open Systems International.
 - 8.14 Rockwell Automation.
 - 8.15 Schneider Electric
 - 8.16 Siemens
 - 8.17 SIFANG
 - 8.18 Tesco Automation.
 - 8.19 Texas Instruments Incorporated

□

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Utility Scale Smart Meters Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

Market Report | 2024-09-30 | 100 pages | Global Market Insights

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$5350.00
	Enterprise User	\$8350.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-07"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com