

Advanced Metering Infrastructure (AMI) Market Sets New Record, Projected at USD 52.4 Billion By 2030 at 12.0% CAGR: AMR

Advanced Metering Infrastructure (AMI) Market Detailed Analysis and Forecast up to 2030

PORTLAND, OREGON, UNITED STATES, November 21, 2023 /

EINPresswire.com/ -- Regulatory mandates and legislative directives are being issued by government bodies all over the world addressing the development of smart grids and the deployment of smart meters. These government mandates are the primary drivers of the global [advanced metering infrastructure market](#).

Furthermore, the increase in energy consumption as well as the requirement for enhanced customer service and utility efficiency are driving the growth of the advanced metering infrastructure market. The global advanced metering infrastructure market size was valued at \$17.1 billion in 2020 and is projected to reach \$52.4 billion by 2030, growing at a CAGR of 12.0% from 2021 to 2030.

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Increasing usage of the Internet of Things (IoT) is the key factor driving the global advanced metering infrastructure market”

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Advanced metering infrastructure (AMI) is a communication architecture that allows a smart utility meter with an IP address to communicate with a utility

provider in an automatic, two-way manner. AMI is seen as an important part of any smart grid initiative. The goal of an AMI is to offer utility companies with real-time data about power consumption and allow customers to make informed choices about energy usage based on the price at the time of use.



Advanced Metering Infrastructure (AMI) Market Size

Recent advancements in the utility business are projected to open up the possibility of a wide range of collecting systems and water utilities. Utilities are anticipated to implement dynamic pricing schemes and demand response to shift or reduce energy use to non-peak hours driven by legal and environmental objectives to save resources. However, inadequate financial incentives for utilities and the need for improvement in customer service level may hamper advanced metering infrastructure market growth. These are some of the advanced metering infrastructure market trends observed globally.

The global advanced metering infrastructure market is segmented into product type, end-user, and region.

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On the basis of type, the global advanced metering infrastructure market is segregated into smart metering devices (electricity, gas water), solutions (meter communication infrastructure and software), and services (system integration, deployment and program consulting).

On the basis of smart metering device, the electricity segment accounted for the largest share in 2020, while the water segment is projected to grow at the highest CAGR of 14.0%.

On the basis of solution, the software segment accounted for the largest share in 2020, and is projected to grow at the highest CAGR of 12.2%.

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The Advanced Metering Infrastructure (AMI) industry's key market players adopt various strategies such as product launch, product development, collaboration, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Key players in the AMI market include: (List of key players)

SENSUS

EATON CORPORATION PLC.

Echelon Corporation

Itron Inc.

IBM Corporation

Landis+Gyr

Cisco Systems, Inc.

Dynosonic

SIEMENS ENERGY

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On the basis of services, the program consulting segment accounted for the largest share in 2020, while the System Integration segment is projected to grow at the highest CAGR of 15.50%. AMI communications networks are driven by the need for low-bandwidth, low-cost, delay-insensitive metering. Both the network and the communications module in each meter must be as low cost as possible. The early days of AMI witnessed narrow-band Power-Line-Communication (PLC) and RF-Mesh as the primary communication technologies driving AMI adoption.

End-user of advanced metering infrastructure includes residential, commercial, and industrial. The residential segment was the major share contributor in 2020; however, the industrial segment is projected to be the fastest growing segment at a CAGR of 13.3%. Government agencies and utilities are turning toward AMI systems as part of larger "smart grid" initiatives. For instance, the global power consumption is expected to rise by over 80% between 2012 and 2040, according to the International Energy Agency (IEA).

Region wise, the advanced metering infrastructure market is studied across North America, Europe, Asia-Pacific, and LAMEA. Europe garnered the largest share of the market in 2020, while the Asia-Pacific segment is projected to be the fastest growing segment at a CAGR of 13.1%.

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- On the basis of smart metering device, the electricity segment emerged as the global leader by acquiring more than 56.9% of the market share in 2020, and is anticipated to continue this trend during the forecast period.
- On the basis of solution, the software segment emerged as the global leader by acquiring more than 81.4% of the market share in 2020, and is anticipated to continue this trend during the forecast period.
- On the basis of service, the program consulting segment emerged as the global leader by acquiring more than 56.9% of the market share in 2020, and is anticipated to continue this trend during the forecast period.
- By end-user, the supplements segment accounted for 50.8% of the global advanced metering infrastructure market share in FY2020.
- Region wise, Europe is the major consumer of advanced metering infrastructure. It accounted for around 45.0% of the global market share in 2020.

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