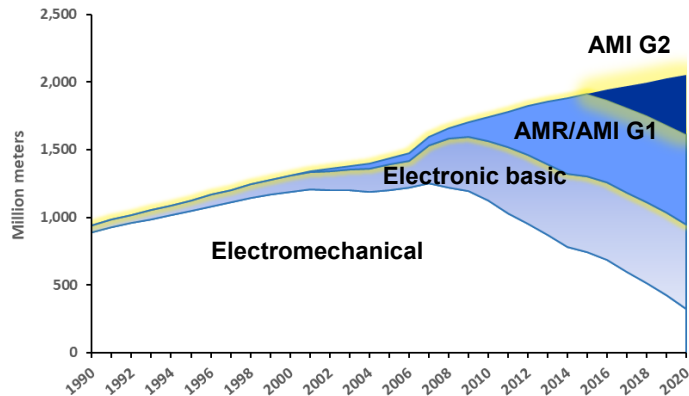


World Market for Smart Electricity Meters

Ed 5 2021



The 473 pages of this comprehensive report outline the development of the market for Smart Electricity Meters, plotting progress from standard metering to AMR, the next step to AMI Generation 1, and to AMI Generation 2 and the Internet of Things. The Smart Grid market is forging ahead and developing, with new markets and new technologies.

The effect of the Coronavirus pandemic has been examined in each country, both for routine meter installations and maintenance and for the impact on Smart Meter rollouts. This evaluation covers two phases; 2020 and the future as the second wave of the pandemic starts in most countries in early 2021.

- ◆ Smart Electricity Meter sales in units and \$ value from 2015 to 2025 for 89 countries.
- ◆ Smart Meter major market reviews and profiles of 65 countries.
- ◆ Total Electricity Meter sales in units, \$ value from 2015 to 2025 for all countries.
- ◆ Meter type analysis - residential, C&I, grid meters - electromechanical, electronic, AMR/AMI - in units, \$ value and average selling price for World, 9 Regions, 57 Countries from 2019 to 2025 (see overpage for detailed categories of meter.)
- ◆ The trend to shorter design life of meters is charted from electromechanical, standard electronic, smart meters, with the resultant impact on the demand cycle.
- ◆ Two drivers for Smart Grid are identified - the traditional 'electrical' drivers of the network which have powered it so far, and the 'Grid Edge' driver. The report shows how Smart Grid is an essential component of the Grid Edge, the IoT and related technologies.
- ◆ Grid Edge developments are driving Smart Grid in each market - Distributed Generation, Renewables and DER, Electric Vehicles & V2G, District Heating and Smart City.
- ◆ The Smart Grid markets are rated on a scale for their development in each Grid Edge technology and scores calculated for each country indicating its need for Smart Grid.

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Meter type analysis for World, 9 Regions, 57 Countries - 67 tables

	2019	2020	2021	2022	2023	2024	2025
000 meters							
ELECTROMECHANICAL RESIDENTIAL							
Single Phase							
Poly Phase							
ELECTRONIC RESIDENTIAL							
Single Phase basic							
Poly Phase basic							
BASIC RESIDENTIAL							
PPM							
AMI/AMR							
C&I							
Grid							
TOTAL METERS - Units							
\$ 000							
ELECTROMECHANICAL RESIDENTIAL							
Single Phase							
Poly Phase							
ELECTRONIC							
Single Phase basic							
Poly Phase basic							
BASIC RESIDENTIAL							
PPM							
AMI/AMR							
C&I							
Grid							
TOTAL METER - \$ million							
average selling price \$							
ELECTROMECHANICAL RESIDENTIAL							
Single Phase							
Poly Phase							
ELECTRONIC RESIDENTIAL							
Single Phase							
Poly Phase							
PPM							
AMI							
C&I							
Grid							

- ◆ Mergers & acquisition activity of top smart meter vendors - Landis+Gyr, Itron, Elster, Sensus, GE Grid Solutions, Aclara, Trilliant.
- ◆ Profiles of top 11 Smart Grid vendors - ABB, Aclara, EMeter, GE Grid Solutions, IBM, Landis+Gyr, Itron, Opower, SEL, Siemens, Silver Spring.
- ◆ Market shares of Top 50 electricity meter vendors; vendors identified in each market.
- ◆ Smart metering technical and non-technical lessons based on experiences of utilities installing Smart Grids, with valuable technical and practical advice.
- ◆ A review of cybersecurity and the Smart Grid.
- ◆ Smart metering technical and non-technical lessons based on experiences of utilities installing Smart Grids, technical and practical advice.
- ◆ A review of cybersecurity and the Smart Grid.

473 pages, 155 figures, 169 tables, 1 illustration

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The following countries have detailed profiles of the utility and network background, development of Smart Metering, related to the IoT and Grid Edge.

- ◆ Europe - Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom.
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- ◆ Central America
- ◆ Middle East - Iran, Saudi Arabia
- ◆ North Africa - Egypt
- ◆ Sub-Saharan Africa - South Africa, Ghana, Kenya, Nigeria, Tanzania
- ◆ Asia Pacific - China, India, Japan, Korea, Taiwan, Indonesia, Malaysia, Philippines, Thailand, Vietnam, Australia, New Zealand

Methodology - This report has been compiled with a survey of 216 countries, from the largest sub-continent to the smallest islands, counting the meter base in each. The status of residential and small commercial smart metering has been recorded in every country and plans examined for existing rollouts of G1 smart meters and upgrades to G2 smart meters. Utility and company reports have been downloaded and industry interviews conducted.

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