Smart Metering in Europe

20th Edition

Smart Metering in Europe is the twentieth consecutive report from Berg Insight analysing the latest developments for smart metering (electricity and gas) in Europe. This strategic research report from Berg Insight provides you with over 350 pages of unique business intelligence, including 5-year industry forecasts, expert commentary and real-life case studies on which to base your business decisions.

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The installed base of smart energy meters to reach 360 million across Europe by 2031

Two thirds of all electricity customers in EU27+3 had a smart meter at the end of 2025 – a figure that is forecasted to increase to as much as 85 percent in 2031. In terms of shipments, smart meters accounted for around 85 percent of total EU27+3 electricity meter shipments in 2025. Poland, which is currently in the midst of a nationwide rollout, was the largest market in terms of shipments with around 2.5 million units installed during the year. The second largest market was Germany, which after lengthy delays saw an acceleration of deployments and ended the year with annual shipments of more than 1.9 million units. The United Kingdom was the third largest market by volume with yearly shipments of nearly 1.8 million units, a number that should have been higher if the British utilities met their installation targets for the year. France and Spain were also in the top five in terms of shipment volumes, driven by second-generation replacements. Other markets with large installation volumes during the year included Italy, Belgium, Switzerland, Romania and Finland. The smart metering market in Europe remains promising and is set for robust growth in the coming years with over 130 million smart electricity meters forecasted to be deployed across the region during 2025–2031.

In addition to major first-generation deployments in countries such as Germany, the UK, Poland, Greece, Romania, Belgium and the Czech Republic, second-generation rollouts in countries such as Spain, France and the Netherlands will contribute with substantial shipment volumes throughout the forecast period. Poland will continue to be a significant contributor to annual shipment volumes until 2030, although Germany is expected to overtake the role as Europe's largest market in terms of first-generation smart meter shipments towards the end of the decade. Greece is also expected to be one of the largest markets with estimated annual shipments in the range of 1–1.5 million units between 2026–2030. From 2026 and forward, the ramp-up of second-generation installations in Spain, the Netherlands and France will be the most important drivers for yearly shipment volumes. In total, replacements of first-generation smart meters are expected to be in the range of 20–50 percent of total smart meter shipments in Europe throughout the next five years, or 4.0–9.0 million units annually.

As the rollouts in many countries in Western Europe and the Nordics are now either well-advanced or completed, the focus continues to shift to Central, East and Southeast Europe. The outlook for the region has improved significantly over the past five years with multiple major rollouts now underway. Overall, the CEE and Southeast European region accounted for over 50 percent of annual EU27+3 smart meter shipments in 2025, up from 32 percent in 2024. Looking only at the growth in annual shipment volumes of first-generation smart meter projects, nine of the ten fastest growing markets can be found in CEE and Southeast Europe.

The rapid development of new wireless technologies for IoT communications has a major impact on the smart metering market in Europe. DSOs planning for new smart grid projects and rollouts in the mid-2020s have a wide range of increasingly sophisticated wireless technologies to choose from for their networking platforms. Wireless technologies have a number of advantages compared to PLC technologies which dominated the first wave of smart electricity deployments in Europe. Supported by massive R&D investments in the mobile communications industry in combination with decreasing mobile subscription costs, 3GPP-based LPWA technologies such as LTE-M and NB-IoT are now rapidly gaining traction in the electricity, gas and water utilities space. Several major deployments utilising these technologies are now either completed, underway or about to begin in the Benelux, the Nordics, the Baltics and Southern Europe. 3GPP-based LPWA will more than double its smart meter connectivity market share throughout the forecast period. Various forms of PLC will remain the dominant technology group in terms of installed base although purely wireless communications options are forecasted to account for over 50 percent of shipment volumes during most of the forecast period – peaking at around 62 percent in 2028.

Adoption of smart metering is also growing fast in the European gas distribution market. At the end of 2025, around 48 percent of the natural gas customers in EU27+3 had been equipped with a smart gas meter. Berg Insight estimates that the number of natural gas customers with a smart gas meter will increase to 78.8 million in 2031, equal to a penetration rate of over 62 percent. Annual shipments of smart gas meters in the EU27+3 amounted to 3.2 million units in 2025. This represented an increase of nearly 0.3 million units compared to 2024, which was largely due to the start of a large-scale project in Poland which made the country the second largest market by shipment volume in 2025. Despite installations in the UK again having proceeded at a slower pace than anticipated, the country was nevertheless the most active market in 2025 with over 1.4 million units installed. Italy and Belgium were also significant markets, accounting for around 0.5 and 0.3 million shipments respectively during the year. Annual shipment volumes of smart gas meters are projected to remain stable at around 5–6 million units throughout the forecast period, with an expected peak of 5.9 million units during 2028/2029. Driven by Italgas' second-generation rollout, Italy is forecasted to emerge as the largest market in Europe by shipment volume in 2027 and to maintain that position throughout the forecast period. The UK is expected to remain one of the region's largest markets as well, with shipment volumes supported by continued installations in line with the government's revised ambition to complete the nationwide rollout by 2030. Significant volumes are also anticipated in additional countries over the coming years, particularly Spain, the Netherlands, Poland, France, Greece and Belgium, where the former will account for 22 percent of yearly shipment volumes in Europe by 2031.

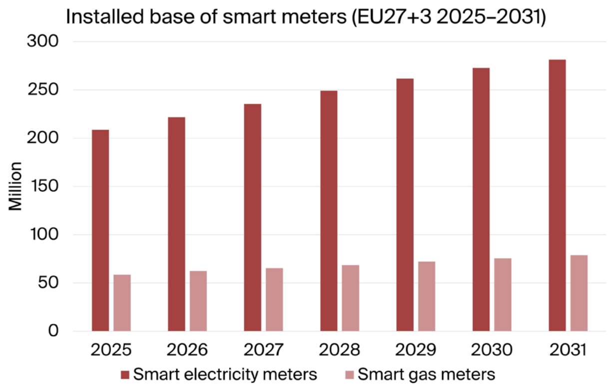


Table of contents

Hightlights from the report

Full coverage of the European market with in-depth market profiles of all countries in EU27+3.

Case studies of smart electricity and gas metering projects by the leading energy groups in Europe.

360-degree overview of next-generation PLC, RF and cellular standards for smart grid communications.

Updated profiles of the key players in the metering industry.

New detailed forecasts for smart electricity and gas meters in 30 countries until 2031.

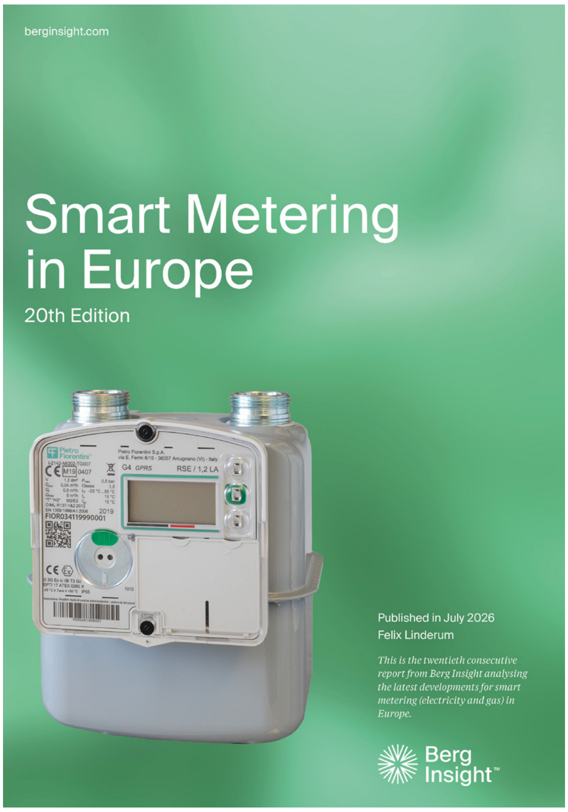
Summary of the latest developments in the European energy industry.

Questions answered in the report

- Which are the major trends shaping the European smart metering market?
- What is the status and outlook for second-generation smart metering rollouts across Europe?
- Which new projects are utilising NB-IoT and LTE-M cellular communications?
- How do smart metering technology choices vary across Europe?
- How is the regulatory environment for smart metering evolving on the national level?
- Which are the largest utility companies in each country in Europe?
- Which are the leading suppliers of smart metering solutions for the European market?
- Which countries lead the adoption of smart gas meters?

About Berg Insight's IoT market research

Our market reports offer comprehensive information and analysis on key IoT technologies and markets, addressing important concerns including total addressable market, market penetration, market shares, industry landscape, regulatory environment, market trends and forecasts. Our research portfolio today comprises more than 85 items, where each market report focuses on a specific vertical application area or cover horizontal themes. All market reports come with complementary data sets in Excel format that can be easily analysed and converted into tables and charts. We offer a range of different license options together with bundled packages and subscriptions to suit your specific needs.



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Smart Metering in Europe

Are you looking for detailed information and comprehensive data about the European smart metering market (electricity and gas)? Berg Insight's analyst team has been covering smart metering continuously for more than twenty years. Smart Metering in Europe is our flagship 350-page report covering AMM in EU27+3. Learn more about the EU energy policies driving the adoption of smart metering and the latest market developments in Europe. Extensive data Excel is included.

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Who should read this report?

Smart Metering in Europe in its twentieth edition is the foremost source of information about the ongoing transformation of the metering sector (electricity and gas). Whether you are a vendor, utility, telecom operator, investor, consultant, or government agency, you will gain valuable insights from our in-depth research.

AUTHOR

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Felix is a senior analyst covering mainly the smart cities, retail and utilities sectors. He heads research projects within IoT verticals such as connected vending machines, digital signage, smart parking, public transport ticketing, parking meters, smart city surveillance as well as smart electricity and gas metering in various regions. Felix holds a Master's degree in Innovation and Industrial Management from the School of Business, Economics and Law at the University of Gothenburg and joined Berg Insight in 2023.

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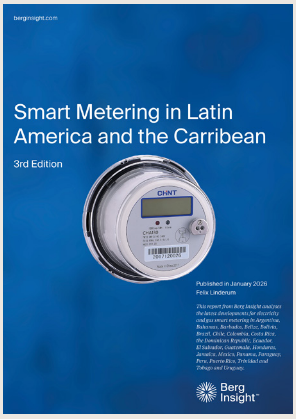

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