



The network behind the world's top networks

USE CASE 

BICS IOT SOLUTIONS: SMART METERING

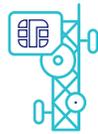
Customer

Smart meters are among the most popular large-scale IoT deployment use cases: the global market is estimated to reach 285.4 million units by 2025¹. They can help consumers monitor and reduce power consumption while helping energy suppliers increase efficiency, resolve network issues faster, and improve customer service. Smart meter manufacturers need to embed easy-to-customize global connectivity at the bootstrap level, so that meters can be rolled out by any utility in the world and deployed with minimal intervention or customization. The bootstrap profile also needs to act as a global operational profile wherever local connectivity is commercially or technically challenging to deploy.

Applications



Ready-to-use, everywhere in the world



Customized SIM profiles for local operator connectivity



Offsite monitoring, upgrades and troubleshooting



Communications with other smart building systems

Requirements



Worldwide deployment



Different processes in each country



Technical and commercial complexity of local deployment



Connectivity with any local operator



Low power consumption

Solutions



BICS SIM for Things offers flexible, reliable, easy-to-use international connectivity for smart meter applications.

Flexible, technology-agnostic platform

A smart meter bootstrap connectivity solution has to be flexible enough to interoperate with the technology platform of any utility provider, anywhere in the world. BICS SIM for Things is a turnkey IoT connectivity solution ideal for smart metering, either as bootstrap connectivity or simply as the default global operational profile. With a proven deployment track record with all the world's major platform technologies, SIM for Things simplifies the process of establishing a local SIM profile.

Broadest global connectivity

A smart meter needs to establish a connection with its local network and utility provider's systems in any country that it might be shipped to. The BICS SIM for Things solution's default operational profile allows connectivity across 700 networks in 200 countries around the world from the word 'go'. With no lock-in, it offers flexibility for optimization with a local SIM profile.

Secure, low-power connectivity

Smart meters need to operate for years on end with no customer intervention. BICS SIM for Things supports NB-IoT and LTE-M connectivity, ensuring minimal power consumption. With built-in security at the SIM level, it is a highly secure connectivity platform.

Results

BICS SIM for Things allows smart meter manufacturers to embed seamless global connectivity into their devices within an optimized initial SIM profile, to act both as a bootstrap and global operational profile. This enables utilities to install them in any market with minimal intervention.

¹<https://www.grandviewresearch.com/industry-analysis/smart-meters-market>