

HONEYWELL **REVOLUTIONISE GRID** **MANAGEMENT IN THE** **MIDDLE EAST WITH SMART** **ELECTRICITY METERS AND** **RELIABLE COMMUNICATION** **TECHNOLOGY**

Case Study

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“Honeywell smart meters are creating a smarter power network and electricity grid for the utilities business. These solutions deliver complete smart grid and energy management solutions that drive energy efficiency, operational improvements, and cost savings for utilities.”

Honeywell

OVERVIEW

The installation of Honeywell smart electricity meters in the Middle East has highlighted how reliable technologies can significantly improve the way utilities manage their networks.

THE NEEDS

Major electricity and water providers in the Middle East asked Honeywell Smart Energy to provide an end-to-end solution based on telecommunications technologies to improve management of their electricity network. Honeywell's communication technology facilitates high-speed, highly-reliable and long-range communication.

THE SOLUTION

Honeywell Smart Energy supplied AS220 and AS3000 electricity meters connected to AM540 communication modules with Beacon 3100 data concentrators. The end-to-end solution based on Honeywell's network technology supports both data concentrator and gateway concepts. With in-built security the system cannot be compromised. Using Honeywell's technology, two-way communication can facilitate on-demand meter reading and transform grid management.



The Honeywell end-to-end solution has positively revolutionised the provision of smart electricity metering for utilities in the Middle East.

THE BENEFITS

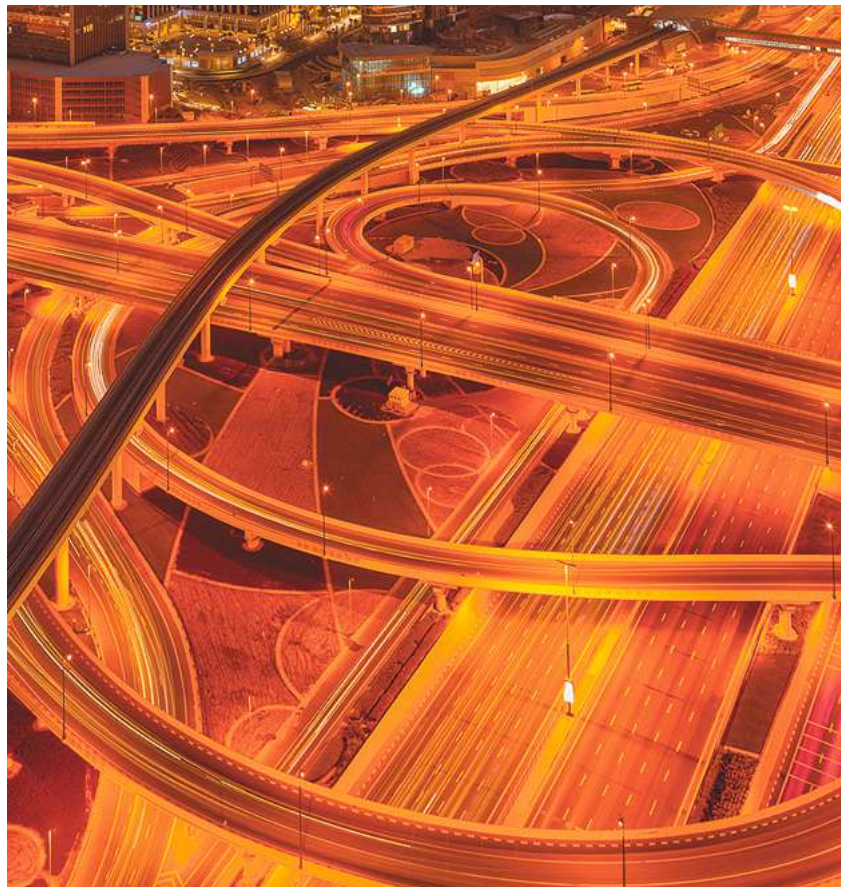
- Honeywell Smart Energy offers robust and stable technologies to support successful Smart Metering and Smart Grid projects.
- Interoperability ensures that smart electricity meters can operate successfully within a heterogeneous metering environment.
- End-to-end security is guaranteed to ensure that the system is not compromised.
- Smart electricity meters offer end-point energy consumers near real-time visibility into their electricity consumption allowing them to better understand and control their energy use. With the addition of variable tariff schedules, consumers are also able to reduce electricity consumption during peak usage times.
- State-of-the-art communication enables utilities to monitor electricity consumption throughout the grid in real time, implement variable tariff schedules, and set limits on electricity consumption to better manage peak loads.
- Using future-proof technology allows utilities to protect their long-term investment.
- Smart meters are flexible and adaptable to different telecommunications technologies, both wired and wireless such as G3-PLC, GPRS, RF and LPWAN and others.



AS3000 Electricity Meter Connected to AM540 Communication Module



Beacon 3100 Data Concentrator



For more information

<https://pmt.honeywell.com/us/en/businesses/smart-energy>

**Honeywell Smart Energy
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FUTURE
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WHAT
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MAKE IT**

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