

The Middle East is in the early stages of smart grid development but accelerated growth, fuelled by large domestic demand, means the door of opportunity for investors and technology manufacturers is open.

However, governments in the Middle East have realised the need to modernise their grid networks to line up with international standards, address energy challenges and improve utility revenue collections. Grid modernisation will also help in diversifying economies under efforts to reduce dependence on oil and gas and coal energy generation.

In island smart grid news, the Kingdom of Tonga in Polynesia has signed up Itron to supply its communication platform OpenWay Riva. Tonga's national electricity utility Tonga Power Limited (TPL) has bought the Itron technology in a bid to bolster network communications across the island, improve revenue protection and help manage customer ...

The GREST Project will strengthen Tonga's electricity grids, increase access to clean and affordable energy, and support the country's commitment to 70% renewable energy by 2025 and 100% by 2035, as outlined in the Tonga Energy Roadmap (TERM+).

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As a part of its smart island goals, Tonga will soon generate more than half of its electricity by renewable means such as solar power. Using OpenWay Riva, Tonga can monitor and manage the integration of renewable energy into the electric grid, ensuring grid reliability and energy security.

**Regulatory Hurdles:** Policy frameworks need to evolve to support smart grid implementations. Smart Grids in the Middle East: A Closer Look. The Middle East, with its vast energy resources, is uniquely positioned ...

a driver for increased smart grid capacity. Up to 14 additional smart cities will be built across Egypt. The housing minister recently announced that Egypt has finished infrastructure projects totaling roughly USD 106.25 billion in less than two years. Additionally, the government is modernizing transit systems, ports, and airports. [12] Kuwait

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There are three fundamental capabilities driving the implementation of the intelligent grid: incident isolation, sophisticated modeling, and real-time responses. Recognising the need for a sustainable and resilient future, companies should understand that the distribution network must adapt and perform more efficiently.

Smart grid investment in the Middle East and North Africa (MENA) is on track to reach US\$17.6bn over the next seven years, according to the Energy & Utilities Market Outlook Report 2020. This surge is driven by greater attention to renewable energy sources across the ...

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