

Frost & Sullivan shares insights into cybersecurity and demand response in new reports

Frost & Sullivan has released two new reports on grid cybersecurity investments in North America and on the demand response market in the Asia Pacific region.

The research firm predicts heavy investments will be

directed towards improving the resilience of grid networks against cyber attacks in North America through to 2022.

According to the study, *Growing Appetite for Automation Solutions Fuels Growth in Grid Cyber Security*, both the smart grid and cybersecurity markets are expected to grow as utilities focus on grid modernisation and ensuring grid vulnerability gaps created are covered.



Other factors encouraging investments in grid security are:

- Government mandates to protect critical infrastructure
- Rising cyber-attacks due to improvements in malwares and ageing infrastructure unable to withstand attacks
- Growing customer touch points along the grid
- Increasing numbers of smart devices that need cyber protection
- The need to monitor, manage and operate networks in real-time through technologies such SCADA and internet property defence and device management systems.

Demand response

The firm's analysis on demand response in Asia Pacific forecasts accelerated growth post 2020.

Melvin Leong, associate director, energy & environment with Frost & Sullivan, said adoption has been high in

developed countries such as Japan, Australia, South Korea and Singapore owing to smart meter rollouts for industrial and commercial customers.

Installation for residential households is expected to accelerate consumer participation in demand management through to 2025.

Moreover, the interoperability between smart home and home energy management systems is expected to fuel the market.

Japan, followed by South Korea, is forecast to dominate the market with 20GW of demand response capacity and 13GW by 2025, respectively.

The absence of government incentives is also expected to force aggregators to offer free load scheduling services and discounts on DRMS installations to boost consumer participation.

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- maximum robustness?
- small dimensions?
- greater precision?
- free flow?
- flexible connectivity?

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