

Malta grid modernization

ZUG, Switzerland, Nov 18, 2024 – Siemens and Enemalta will join forces to digitally transform its grid infrastructure with Siemens' Gridscale X software platform. Levering the software's low-voltage management capabilities, Enemalta aims to enhance its service, by reducing outage times for more than 450,000 people and enabling more efficient network management to reduce grid congestion and capacity constraints.

Enemalta, the leading energy services provider in the Maltese Islands, is responsible for distribution of electricity and development of the national distribution grid. Malta has recently faced significant electricity challenges driven by extreme weather. In 2023, a major heatwave brought record-high temperatures, leading to increased electricity demand for air conditioning, and widespread power outages across the country. Enemalta mobilized resources to restore power, achieving stability after several intensive days of repairs. Recognizing that physical network reinforcements alone would not suffice, Enemalta identified the necessity for a comprehensive software solution to enhance operational and planning capabilities.

"Grid congestion has become a real threat to the energy transition. That's why we are proud to be working with Enemalta to address their key operational challenges, moving from reactive maintenance to predictive management. With Gridscale X, Enemalta will be able to take the next steps towards improved grid reliability and service for people in Malta. Together, we are advancing the standards for digital transformation in the energy sector," said Sabine Erlinghagen, CEO of Siemens Grid Software.

"Malta is ramping up second generation smart meter coverage. With additional data unlocked, it will be possible to manage grids on a new dimension. We are delighted to be partnering with Siemens to modernize the grid of Malta with next-generation software and improve reliability for our customers. With Siemens' expertise and technology, we can enhance the network's digital capabilities, and lay the groundwork for future innovations, including flexibility management," added Ryan Fava, Executive Chairman of Enemalta.

Gridscale X is a platform that paves the way for autonomous grid management. It is part of Siemens Xcelerator, an open digital business platform that enables customers to accelerate their digital transformation easier, faster, and at scale. Siemens' Gridscale X platform offers powerful capabilities designed to bring transparency into the low-voltage network. By utilizing data from smart meters, the solution proactively detects outages, visualizes grid congestion, and delivers actionable insights through advanced analytics.

The pilot phase at Enemalta is expected to begin in November 2024, followed by a longer rollout over the next three years, ultimately leading to full grid modernization.

For more information, visit [siemens](https://www.siemens.com).



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Agreement between Enemalta and Siemens paves the way for a pilot phase to start in the coming weeks

Enemalta is poised to advance its grid technology to be able to provide a better service.

Thanks to an agreement signed this week, Enemalta will embark on digitally transforming the national grid infrastructure using Siemens' Gridscale X software platform.

This software will allow Enemalta engineers to use more precise data from smart meters and shift to predictive management.

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