

Why is Vietnam deploying a smart grid and smart metering programme?

Vietnam has been and is deploying a smart grid and smart metering programmes in power system operation and management. Like other smart grid programmes around the world, the two core targets of this programme in Vietnam are improving energy usage efficiency and developing renewable energy resources.

Is Vietnam in Southeast Asia's energy sector?

Smart Energy International explores the position of Vietnam in Southeast Asia's energy sector. Specifically, how Vietnam embraced and exceeded some of its renewable energy targets and what the future holds for the Land of the Blue Dragon.

What is IES & EWEC report on Vietnam Smart Grid development?

This Deliverable 2 - Report on Current Status of Smart Grid Development in Viet Nam has been prepared by Intelligent Energy Systems Pty Ltd (IES) and East West Energy and Climate Link JSC (EWEC) for the project titled "Development of Vietnam Smart Grid Roadmap for period up to year 2030, with a vision to 2050".

Does Viet Nam have a smart grid?

We have previously discussed the progress that Viet Nam have achieved in those Smart Grid programs implemented over the last 10 years. Beside many accomplishments, there are numerous apparent shortcomings and obstacles that have hindered attainment of more fulfilled, pragmatic results.

What are the main principles governing Vietnam's power sector development?

The primary principals governing Vietnam's power sector development are laid out in the Electricity Law of 2004(amended). The law sets out requirements for national power development master plans to be established for 10-year periods at a time. The first such plan was released in July 2011. Smart Energy International Issue 4-2020.

Should Vietnam switch to green electricity?

To protect the climate, Vietnam wants to switch to green electricity. Clever strategies have already achieved groundbreaking success. With international support, Viet Nam aims to cut its net emissions to zero by 2050. Furthermore, the country plans to phase out the use of coal-generated power by the end of the 2040s.

Integrating BESS into Vietnam's energy infrastructure demonstrates promising prospects for facilitating the nation's energy transition. By storing excess energy during periods of low demand and releasing it during peak times, BESS can enhance grid flexibility, reduce emissions, and lower electricity costs.

18 ????&#0183; By applying this way from now until 2050, Vietnam will likely save about 26 billion euros per year. In order to respond to the possible instability of renewable energy sources, the Vietnamese power system needs to use about 150 MW of flexible power sources alongside every GW of renewable energy

capacity.

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The report shows how Vietnam through the expansion of renewable energy, along with electrification of the industry and transport sectors, can secure a cost-efficient green transition and reach its target of net-zero emissions by 2050, while reducing Vietnam's dependence on energy imports.

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Encourage the development of new energy renewable energy sources for self-consumption to reduce the pressure of additional investments for power networks expansion. Implement programs for energy efficiency, demand management and demand response.

Digitizing and modernizing the power grid is a key step that helps accelerate the energy transition. Smart meter rollouts should be purpose-led, customer-centric transformation programs to realize greater value. ... Thailand, Vietnam and the Philippines have also announced significant investment plans, with projects of different scales and ...

With Vietnam's strong commitment to reaching net-zero emissions by 2050 at the UN Climate Change Conference (COP26), the country needs to build a sustainable energy transition, in which the transformation of energy infrastructure including smart grid plays an important role.

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