

How will Enel X's VPP help Singapore's Energy Future?

As part of the nation's movement towards greater sustainability, the government has come up with 4 Switches to guide Singapore's energy future. Enel X's VPP can protect the grid across two of the four areas of focus: Solar energy - as Singapore moves towards ~2 gigawatt-peak of solar energy by 2030, VPP resources are needed to balance the grid.

Can Singapore be plugged into a regional power grid?

Second, Singapore is exploring the potential of being plugged into a regional power grid, which will allow the country to further diversify its energy mix. Regional power grids require significantly more reserves to manage interconnection risks, which our VPP can provide.

How is Singapore meeting its energy needs?

While Singapore has limited renewable energy sources, we are meeting our needs by importing low-carbon electricity from neighbouring countries, with a goal to reach around 6 gigawatts (GW) of low-carbon electricity by 2035, or one-third of our electricity supply. 5. We are exploring every option to decarbonise Singapore's energy supply.

How has Singapore's Energy story evolved over the years?

Over the years, Singapore's energy story has evolved in tandem with the growth of the country. 1. Singapore is progressively greening its energy mix. Singapore's energy mix has changed significantly over the decades. Fuel oil once powered our growth as a key trading hub until we switched to imported natural gas in the early 2000s.

Can Singapore build enough renewable power?

Singapore's renewable transformation is also accelerating, with new renewable generation resources and the retirement of coal, but we can't build (enough) renewables if we can't balance them. Virtual Power Plants that provide Demand Response services are one of the most promising options available to support intermittent renewable power.

How has Singapore's energy mix changed over the years?

Singapore's energy mix has changed significantly over the decades. Fuel oil once powered our growth as a key trading hub until we switched to imported natural gas in the early 2000s. Today, 95% of our energy is produced using natural gas and we are transitioning to cleaner energy sources to combat climate change.

Find company research, competitor information, contact details & financial data for SIRIUS ENERGY PTE. LTD. of Singapore. Get the latest business insights from Dun & Bradstreet.

At Sirius-X Energy, we are committed to pushing the boundaries of innovation, exploring new frontiers, and



# Sirius x energy Singapore

creating solutions that will shape a brighter future for generations to come. Join us as we continue to transform challenges into opportunities, and inspire change that reverberates far beyond the walls of a classroom.

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SIRIUS ENERGY PTE. LTD. was incorporated on 30 April 2019 (Tuesday) as a Private Company Limited by Shares in Singapore. The Company current operating status is live with registered address at 138 ARAB STREET.

Our company, which was incorporated in 2022, is a sustainable energy firm that specializes in solar and wind energy conversion and is made up of skilled and experienced individuals.

At Sirius-X Energy Transition Career Training, we offer comprehensive training programs designed to equip individuals with the skills and knowledge needed to thrive in the rapidly growing field of renewable energy. Our courses cover a wide range of topics, including clean energy, climate change and corporate sustainability.

Our innovation combines locally manufactured vertical-axis wind turbines with solar panels, creating a reliable and sustainable source of power. Designed for low wind speeds and tailored to Nigeria's unique weather conditions, our system ensures uninterrupted energy supply.

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SIRIUS ENERGY PTE. LTD. is ACRA -registered entity that has been operating for 5 years 5 months in Singapore since its incorporation in 2019. Officially, SIRIUS ENERGY PTE. LTD. is registered as Private Limited Company with its address 600 NORTH BRIDGE ROAD, #08-01/02, PARKVIEW SQUARE,



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