

# **ASEAN Distributed Smart Energy Storage**





## Overview

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Why should ASEAN invest in smart grids?

Smart grids can ensure that renewable power is delivered reliably, creating the conditions for continued industrial development, innovation, and regional opportunity. Sound energy infrastructure and smart grids underpin the energy interconnectivity that ASEAN envisions for itself.

How is ASEAN reshaping the power grid?

ion, and Control Wide-Area Monitoring SystemExecutive SummaryIn recent years, the ASEAN's power grid landscape is evolving. The integration of Distributed Energy Resources (DERs), such as rooftop solar photo Itatics (PV) systems and battery energy storage, is reshaping ASEAN's power systems by increasing flexibility and resilience.

Will ASEAN's low-carbon future flow through smart grids?

ASEAN's Low-Carbon Future Flows Through Smart Grids not only helps to project the investment needs required to achieve grid modernisation but also discusses strategic policy levers that can help the region unlock socio-economic advantages that come with regional energy integration.

How much will ASEAN smart grid investment cost by 2040?

By 2040, stronger and more reliable power systems could unlock up to \$2.3 billion in annual economic value for ASEAN Smart grid investment of \$4 to 10.7 billion is needed to modernise ASEAN's power systems, support economic growth, and enable cleaner, more reliable energy





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