



# What are the energy sites in Southeast Asia





## Overview

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Fossil fuels have a stronghold in energy and electricity mixes, accounting for around 80% of primary energy and 72% of generation in 2024. Coal and natural gas from Indonesia, Malaysia, and Thailand play dominant roles, while the region is heavily import-reliant for its oil use. The year 2026 marks a pivotal moment for ASEAN's energy cooperation, as the region begins implementing the APAEC 2026–2030 amid heightened global uncertainty. This period also signals the ASEAN Power Grid (APG) moving from strategic planning toward coordinated infrastructure development and. Southeast Asia is a rapidly developing region, with GDP per capita increasing by more than 30% since 2015. However, renewables are gaining significant momentum through policy reforms and investment as climate change increasingly becomes an urgent issue for the region. ASEAN is a bloc focused on promoting economic growth and regional stability. With a combined population of about 667 million people, ASEAN represents about 10% of the global population (IMF). In September 2025, the International Energy Agency (IEA) reported that Southeast Asia has a vast yet untapped potential of renewable energy.



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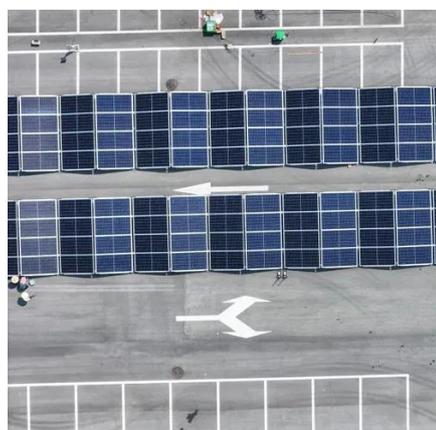


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Thanks to the strategic geographical position, Southeast Asia is able to develop variable renewable energy (VRE) sources of solar and wind. IEA stated that the technical potential from these ...



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5. The status of the energy transition in Southeast Asia: facts and figures region is still heavily dependent on fossil fuels to meet its energy needs. For instance, around 80% of total energy demand in the 10 ...

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Southeast Asia's strong economic growth trends have its power demand growing at about 6% per year, the fastest globally (see Figures 1 and 2). Indonesia is the region's largest energy consumer, ...



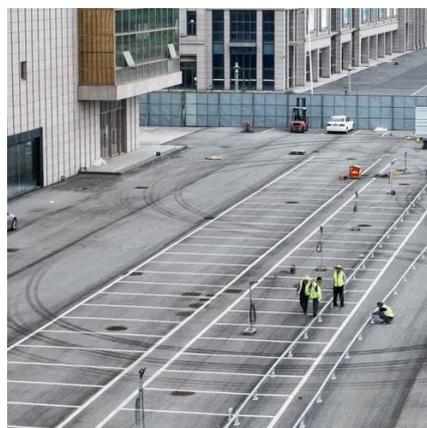
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Fossil fuels have a stronghold in energy and electricity mixes, accounting for around 80% of primary energy and 72% of generation in 2024. Coal and natural gas from Indonesia, Malaysia, and Thailand ...





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