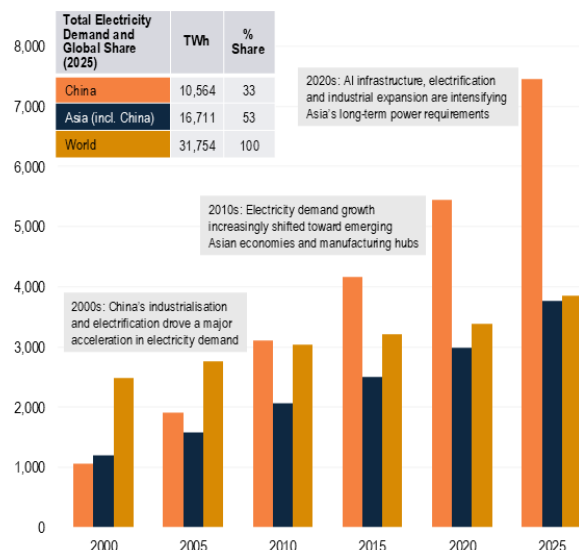


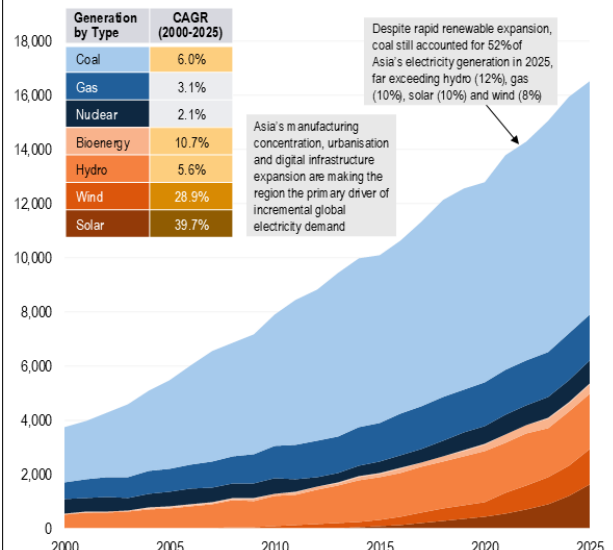
Asia Is Driving the World's Largest Expansion of Power Generation Capacity

Rising industrialisation, electrification and demand for digital infrastructure across Asia are driving simultaneous expansion in renewable generation, fossil fuel capacity and electricity grids.

China, Asia & World Electricity Demand per Capita, kWh (2000-2025)



Asia Electricity Generation, TWh (2000-2025)



Note: kWh - Kilowatt-hours; TWh - Terawatt-hours. Source: EIA, China National Bureau of Statistics, Various (via EMBER), ANDAMAN PARTNERS Analysis

Asia has become the centre of global electricity demand growth, with rising industrialisation, electrification and digital infrastructure expansion driving an unprecedented expansion in power generation capacity.

China's electricity consumption per capita increased from just over 1,000 kWh in 2000 to around 7,500 kWh in 2025, while Asia now accounts for 53% of global electricity demand, compared to China alone at 33%. The region's rapidly expanding manufacturing base, urbanisation and digital economy are increasingly making Asia the primary driver of incremental global electricity demand.

The scale of this demand growth is reshaping Asia's entire power system. Total electricity generation across the region rose sharply between 2000 and 2025, supported by major expansion in renewables, fossil fuel generation and electricity grids. Solar and wind recorded the fastest long-term growth rates, with CAGRs of 39.7% and 28.9%, respectively. Yet, coal still accounted for 52% of Asia's electricity generation in 2025 due to the sheer scale of regional power demand.

ANDAMAN PARTNERS

May 2026

andamanpartners.com

ANDAMAN

PARTNERS

Asia is therefore simultaneously the world's leading region for renewable energy deployment and the largest centre of electricity system expansion overall.

-----//-----

Also by ANDAMAN PARTNERS:

- [Global Investment in Clean Energy and Fossil Fuels in 2025](#)
- [Transition and Transformation: How China's Five-Year Plans Shaped 35 Years of Growth](#)
- [China: The High-Speed Rail Superpower](#)

ANDAMAN PARTNERS supports international business ventures and growth. We help launch global initiatives and accelerate successful cross-border expansion. If your business, operations or project requires cross-border support, contact connect@andamanpartners.com.



ANDAMAN

PARTNERS

Investment  Advisory  Trade

Shanghai | Hong Kong | Singapore | Perth | Bangkok | Cape Town

www.andamanpartners.com