

# North asia supporting wind power supply

Can Asia-Pacific build a wind energy supply chain for a 1.5°C World?

The Asia-Pacific (APAC) region's current supply chain setup is not sufficient to build enough wind projects to meet the region's net zero targets, according to Mission Critical: Building the Asia Pacific Wind Energy Supply Chain for a 1.5°C World, a new report from the Global Wind Energy Council.

Does Asia-Pacific have an offshore wind supply chain?

The offshore wind supply chain of Asia-Pacific (outside of China) is gaining momentum and set to expand massively as the region gets ready to grow its installed capacity nearly five-fold between 2030 and 2040. While China currently dominates the production of offshore wind components, the broader Asia-Pacific region is scaling up.

Can countries expand their wind energy supply chain?

Countries like Australia, Vietnam, South Korea, and Japan have the potential to expand their wind energy supply chain, but they face challenges such as inconsistent policies, limited investment in large-scale infrastructure, and restrictive local content requirements.

What is the potential for wind energy in Asia Pacific?

The potential for clean, secure wind energy in the Asia Pacific market is huge. The Asia Pacific (APAC) region is expected to make up 61% of the new capacity built worldwide between 2024 and 2030. Total onshore wind capacity in APAC could double to 1,084 GW within the decade, with another 122 GW of potential capacity from offshore wind by 2030.

North Asia - think China, Mongolia, and the Korean Peninsula - is sitting on a goldmine of wind resources. But here's the kicker: wind power without storage is like a sports car without tires.

critical component of the clean energy transition, helping advance SDG 7 and climate objectives. As a relatively untapped renewable energy source, it offers Asia-Pacific countries an ...

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In the face of significant global headwinds in the sector, green shoots are emerging in 2025 for offshore wind in Asia after a turbulent 24 months. North Asia is the region's leader in this area.

o Asia Wind opportunity report that captures insights & demonstrates outlook upon potential & exploitable wind energy market size for various countries across Asia - China, India, ...

With wind energy recognized as one of the most effective technologies for reducing carbon emissions, the



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Explore APAC's wind energy potential, supply chain hurdles, policy impact, and future growth in achieving net-zero and sustainable energy goals.

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Recent changes in regulatory frameworks, project planning approaches, and market mechanisms are helping unlock new opportunities for clean energy deployment in countries like ...

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