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Title: North Macedonia 2kW wind power generation system

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The implementation of this pilot wind project in North Macedonia, which took less than six years from conception to operation, is one of WBIF's success stories.

The Bogdanci wind park, North Macedonia's first wind energy facility, currently operates with sixteen wind turbines, each with a capacity of two to three megawatts. Plans to expand this wind park aim ...

The selected site, Bogdanci windfarm, is the first to be built in North Macedonia and is located in the southeast of the country close to the border with Greece.

This report, "North Macedonia Renewable Energy Market - 2025 Update", has been produced by Invest In Network as part of the Energy Week Western Balkans 2025 framework.

The government is likely to replace the dormant heavy oil-fired "TEC Negotino" power plant with a new gas-fired power plant. The government has negotiated a loan with the EBRD to finance the construction ...

Agreements were signed on 28 May 2025 with Power Plants of North Macedonia (JSC ESM) and Siemens Gamesa Renewable Energy (SGRE) to complete the final phase of Bogdanci Wind Park, ...

This second phase involves the construction of four wind turbines, each with a capacity of 3.4 MW. This expansion will significantly reduce reliance on electricity imports and strengthen the stability of ...

Phase 2 will increase the capacity of the wind park by up to 15 MW, which is expected to produce around 50 GWh of electricity annually, equivalent to the energy demand of around 6,000 ...

On 28 May, North Macedonia's state-owned electricity generation company, ESM, signed an agreement with Siemens Gamesa Renewable Energy (SGRE) for the completion of the final phase of the ...



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Distribution of wind potential Annual generation per unit of installed PV capacity (MWh/kWp) Wind power density at 100m height (W/m²)

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