



100MW WIND PARK+40MW BATTERY STORAGE SYSTEM, MONGOLIA

PROJECT AT A GLANCE

Location

Dornogobi Province, Dalanjargalan, Mongolia

Capacity

100 MW

Project Owner/Developer

AB Solar Wind LLC
Ulaanbaatar,
Mongolia



Turbine Manufacturer

Enercon - Aurich, Germany



MARKET OVERVIEW

Mongolia, or “Land of the Blue Sky” with an average of 320 sunny days a year, has a staggering 1100 GW of potential wind power capacity across its vast, wind-swept steppes.

According to the Mongolia Energy Master Plan and the commitments of the 2016 Paris Agreement, 30 percent of the total power supply is expected to come from renewable energy sources by 2030, with wind power being the most significant contributor to the renewable energy mix.

New power generation is required to supply future mining and industrial zones. Future connection to the Asian Super Grid is part of the long-term project plan.

DIFFERENTIATING FACTORS

BATTERY BACKUP

This will be the first renewable-energy project in Mongolia with a battery back-up system. (40MW capacity)



ICE-DETECTION & BLADE HEATING

Cold-climate technology prevents reductions in efficiency due to extreme climate conditions.



STORM CONTROL TECHNOLOGY

Enercon’s Storm Control feature retards the rotation speed allowing operation even during periods of high wind speeds.



DIRECT-DRIVE TECHNOLOGY

Enercon’s magnetic direct-drive system instead of a gearbox reduces downtime and repair and maintenance costs.



SHOVEL-READY PROJECT

- Power-Purchase Agreement
Fixed for 26 years
- Development Feasibility Model
- Feed-in Tariff: \$0.095/KWh
Fixed for 20 years
- Wind Monitoring Data
(4+ years)
- Electricity generation-
394.3 Mln. KWh/year
- Construction License
- Interconnection Terms
- Environmental Impact Assessment
- Land (over 110 hectares)

INVESTMENT OPPORTUNITY

A major German and Chinese banks has already expressed intent to provide of the project financing in the form of a long-term debt insured by Euler-Hermes, with deferred payments for the first 2 years during the construction period.



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