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Al Rajef Wind Farm

The first large utility-scale wind farm to become operational under the Feed-in-tariff (FiT) scheme to promote and facilitate renewable Energy development in Jordan

The 86.1 megawatt (MW) Wind Farm consists of 41 Wind Turbine Generators (WTGs) across 850 hectares and is located near the

village of Al Rajef in the Ma'an Governorate, approximately 200km south of Amman, in the Hashemite Kingdom of Jordan.

125,000+

Tonnes CO2 Emissions Avoided per Year

220,000+

m3 Water Savings per Year

51,000+

Average Jordanian Households powered per year

550,000+

Man hours and 125+ local workers during construction. 70% Local during operation





Location:

Al Rajef, Ma'an Governorate (200km west of Ma'an City)

Capacity:

86.1 MW

Status:

Achieved Commercial Operation Date on 30 October 2018

Fact Sheet:

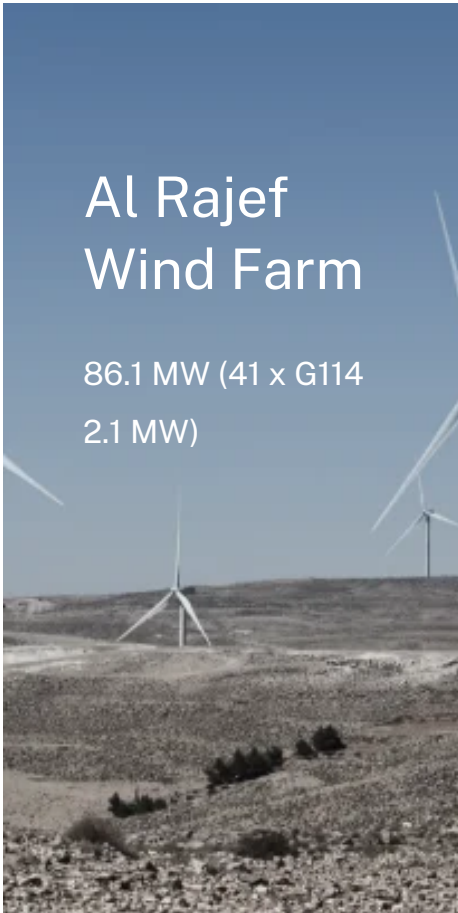
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The Project became fully operational in October 2018, representing almost 15 per cent of the contribution towards the National Wind Energy target of 600MW of generation capacity by 2020 as per Master Strategy of Energy Sector in Jordan (2007-2020) and enabling the power sector diversification away from its current energy mix with near full dependence on thermal generation fueled by imported oil and gas.

The Project was developed by Jordan Green Watts Renewable Energy LLC which is 100 per cent owned by Alcazar Energy. Project financing was provided by: European Bank for Reconstruction and Development (EBRD), PROPARCO and KfW DEG. The Power Purchase Agreement (PPA) with the National Electrical Power Company (NEPCO), off-taker of the power produced, is valid for 20 years.

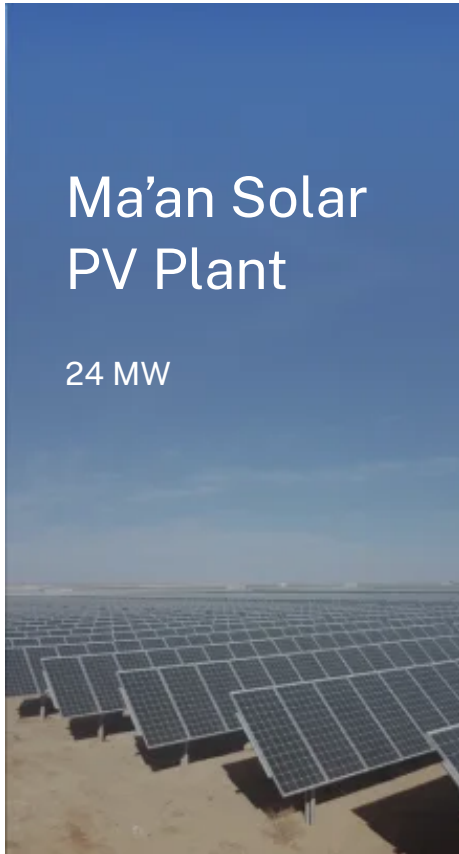
The Project is Category A as per the EBRD Environmental and Social Policy (2014) and as such it was subject to a comprehensive Environmental and Social Impact Assessment (ESIA). Given the proximity of the Wind Farm to the Rift Valley flyway, an Avifauna Monitoring and Shutdown on demand Protocol was developed in line with international best practice and has been implemented since the beginning of operations. The protocol entails bird monitoring, the identification of individuals of 'Priority Bird' populations and/or flocks of 'non-Priority Migratory Soaring Birds (MSB)' species at risk of collision with turbines and the selective temporary shutdown of specific WTGs as well carcass fatality monitoring.

Related projects



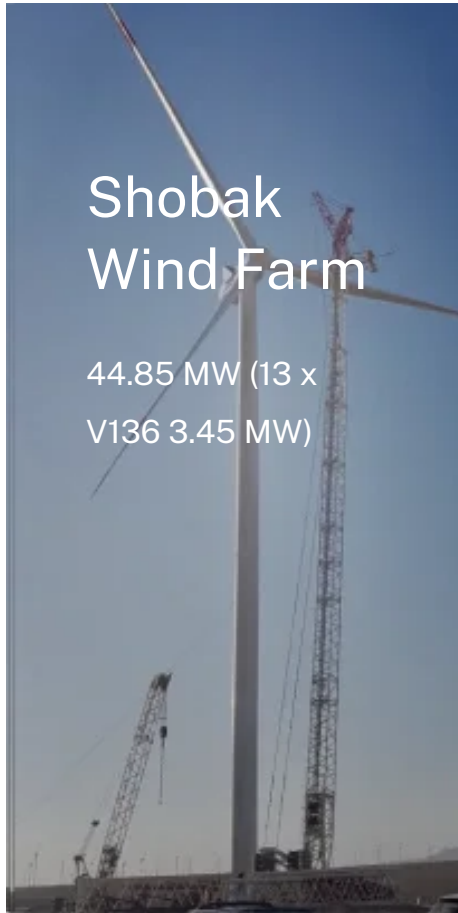
Al Rajef Wind Farm

86.1 MW (41 x G114
2.1 MW)



Ma'an Solar PV Plant

24 MW



Shobak Wind Farm

44.85 MW (13 x
V136 3.45 MW)



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