



Tafila Wind Farm

Tafila, Jordan

The Tafila Wind Farm is the first commercial utility-scale wind power project in the Middle East. Located in the Hashemite Kingdom of Jordan, the 117 megawatt (MW) wind farm has increased the country's total power capacity by 3 per cent. The US\$287 million project became operational in September 2015. It was officially inaugurated in December of the same year by His Majesty King Abdullah II Ibn Al-Hussein of Jordan.

It was developed by the Jordan Wind Project Company, a co-development partnership between InfraMed (50%) and Masdar (50%).

With Jordan's electricity demand estimated to grow by at least 4.5 per cent annually until 2020, the country must rapidly develop new sources of energy generation to cope with future growth.

Tafila was the first wind power project to be developed under Jordan's Renewable and Energy Efficiency Law passed in 2010. The law calls for the country to generate 7 per cent of its electricity from renewable energy sources by 2015, and 10 per cent by 2020. The project is now fully operational and accounts for 10 per cent of Jordan's renewable energy targets.

Project financing was provided by International Finance Corporation, European Investment Bank, Eksport Kredit Fonden, and OPEC Fund for International Development.

Quick facts

- Located in the Tafila region, 180km south of Amman, Jordan's capital and largest city
- Installed capacity of 117MW
- Powers 83,000 homes
- Produces approximately 390GWh of electricity annually
- Displaces nearly 235,000 tonnes of CO₂ emissions per year
- Accounts for almost 10% of Jordan's 1,800MW renewable energy target for 2020 and 3% of the Kingdom's total energy needs
- 38 turbines with 3MW capacity each, designed and built by Vestas