



# 117MW 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 wind farm has increased the country's total power capacity by 3%. The U\$287 million project became operational in September 2015. It was officially inaugurated in December the same year by His Majesty King Abdullah II Ibn AL-Hussein of Jordan.

The Tafila wind farm was developed by Jordan Wind Project Company, a co-development partnership between InfraMed (50%), Masdar (31%) and EP Global Energy (19%).

With Jordan's electricity demand estimated to grow by at least 4.5% annually until 2020 (As per the Ministry of Energy and Mineral Resources), the country must rapidly develop new sources of energy generation to avoid future shortfalls.

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% of its electricity from renewable energy sources by 2015, and 10% by 2020. The project is now fully operational and accounts for 10 per cent of Jordan's renewable energy target.

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

## Quick facts

- The 117 megawatt wind farm is located in the Tafila region, 180km south of Amman – Jordan's capital and largest city.
- It creates enough electricity to power 83,000 homes.
- It produces approximately 390GWh of electricity annually.
- It displaces almost 235,000 tonnes of CO<sub>2</sub> emissions per year.
- It accounts for almost 10% of Jordan's 1,800MW renewable energy target for 2020 and 3% of the Kingdom's total energy needs.
- Vestas designed and built the 38 turbines with 3MW of capacity each