



# Wind Farm Demircili, Turkey

**Country**  
Turkey

**Year of Mandate**  
2018

**Year of Commissioning**  
2017

**Key Technical Data**  
Total capacity: 40 MW  
Wind turbines: Nordex N100 &  
N90 2.5 MW  
Grid connection: 154 kV  
substation

## Technical Due Diligence for a 40 MW Wind Farm

### The objectives of the assignment were:

- to determine and quantify the technical risks and to develop measures for limitation and mitigation of those risks
- to collect and analyze the information necessary to assess the technical performance of the project and to sustain over its economic life certain performance levels
- to conduct quality assurance to achieve certification of the project

### The scope of work covered the following aspects:

- On-site inspection including turbine walk down
- Turbine design review
- Wind farm design review
- Determination of expected annual energy yield
- Evaluation of project documentation
- Determination of CAPEX and OPEX
- Evaluation of project contracts
- Review of licenses and permits
- Review of wind farm performance based on operational data