



**PROJECT PROFILE:  
RENEWABLE ENERGY**



## Wind Farm Services Help Bulgaria Meet Renewable Energy Targets

### Integrity Management

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#### Situation

The St. Nikola Wind Farm, developed by AES Geo Energy OOD in the Kavarna Region of Bulgaria, consists of fifty-two (52) 3-MW turbines with a total capacity of 156 MW. The facility includes 42 km of temporary roads, 62 km of 33kV cable networks, telecommunications, an operations and maintenance building and a transformer substation.

#### Approach

ABS Consulting provided technical assistance for the foundation structures and 105m-high towers, design and construction oversight as a licensed third party, preparation of the final report and application for state commissioning, as well as the Technical Passport for the project and registration in the municipality.

#### Result

As an independent agency, the team evaluated assets for AES Geo Energy to secure safe design and construction of this major development. By putting our experience to work in commissioning the wind farm, ABS Consulting helped the organization develop a foundation of operational and environmental safety.

#### Benefits

The project conforms to the European Union directive and Kyoto Protocol for reduction of harmful emissions and represents an investment that helps Bulgaria achieve its renewable energy targets. Team efforts also help maintain safe operations so owners and tenant farmers can continue using the surrounding land for agriculture.