

Environmental and Social Data Sheet

Overview

Project Name:	SENVION SYSTEMS WIND ENERGY RDI
Project Number:	2013-0444
Country:	Germany
Project Description:	The project comprises the promoter's investments in Research, Development and Innovation (RDI) in the field of wind energy. The main project goals are the reduction of levelized cost of energy (LCoE) by increasing the turbine efficiency as well as reducing total lifetime cost, increase of the turbine's energy yield, full load production hours as well as product diversification. The RDI activities will be carried out in the promoter's R&D centres located in Germany and in cooperation with suppliers.
EIA required:	no
Project included in Carbon Footprint Exercise ¹ :	no

Summary of Environmental and Social Assessment, including key issues and overall conclusion and recommendation

Research, Development and Innovation (RDI) activities on renewable energy equipment are not listed in any of the Annexes of the Directive 2011/92/EU, therefore they do not require an EIA (Environmental Impact Assessment); moreover the proposed RDI activities will be carried out in existing facilities already authorised that will not change their scope due to the project.

In the envisaged RDI programme several prototype components and turbine models will be built and tested; however the prototype turbines will be sold to customers who will be responsible for the prototype testing as well as the environmental impact assessment.

The project will help improve the competitiveness of wind-generated energy, promoting the wider application of electricity generation from renewable energy sources and thus reducing the dependence on fossil fuel. The project will have a very strong contribution to the overall environmental and social sustainability of the promoter's activities and is therefore considered acceptable from the environmental point of view for the Bank's financing, with positive or no negative residual impacts.

Environmental and Social Assessment

Environmental Assessment

The Environmental Impact Assessment (EIA) under the Directive 2011/92/EU is implemented in the German Bundes-Immissionsschutzgesetz (BImSchG), which is relevant for all wind turbine installations in Germany. The promoter does not operate wind turbines; the promoter's customers need to conduct the environmental impact assessments and they are supported by the promoter during each step by receiving detailed technical information. In the envisaged RDI programme several prototype components and turbine models will be built and tested; however the prototype turbines will be sold to customers who will be responsible for the prototype testing as well as the environmental impact assessment.

All R&D locations and all production plants engaged in the RDI are certified according DIN ISO 9001:2008 for the scope of supply, i.e. development, distribution, licensing, production,

¹ Only projects that meet the scope of the Pilot Exercise, as defined in the EIB draft Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: above 100 000 tonnes CO₂e/year absolute (gross) or 20 000 tonnes CO₂e/year relative (net) – both increases and savings.

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assembly, erection, maintenance and service of wind energy turbines. Works in progress for all production sites engaged in the RDI will be audited according to DIN EN ISO 14001:2009 in 2014.

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