

## Environmental and Social Data Sheet

### Overview

Project Name:	BONFIGLIOLI RDI
Project Number:	2018-0683
Country:	Italy
Project Description:	The project includes the promoter's investments in the period 2019-2022 for: (i) R&D for innovative electric motors, gearboxes, drives and solutions (for wind turbines, mobile machinery, for industrial and mechatronics applications); (ii) the development and deployment of an Internet-of-Things architecture enabling the digitalisation of the promoter's products; (iii) the development of an advanced industrial site ("EVO project") in Calderara di Reno (Italy), which will deploy the most energy-efficient and most advanced manufacturing technologies (Industry 4.0) together with highly innovative working setting and conditions for employees.
EIA required:	No
Project included in Carbon Footprint Exercise <sup>1</sup> :	No

### Environmental and Social Assessment

The promoter's investments concern research, development and innovation activities as well as the development of an advanced industrial site ("EVO project") adjacent to existing facilities already authorised for similar activities.

The EVO project investment required the transformation of an agricultural area into an industrial area, which was approved based on a regional law allowing companies that are already established in the area to enlarge their buildings and business. In the context of this approval process and in compliance with the Legislative decrees 152/2006 and 4/2008 the promoter conducted a strategic environmental assessment (SEA). The scope of the SEA covered roads and traffic, noise, atmosphere, soil, subsoil, underground water, water on the surface, landscape and green areas, energy, waste, ground management.

The competent authorities required a preliminary environmental study and concluded that, as the project is not expected to have a significant impact on the environment. No impact on protected flora and fauna has been reported (Habitats 92/43/EEC and Birds 79/409/EEC). The site is an expansion of the promoter's existing facilities where they manufacture and assembly gear motors, drive systems, planetary gearboxes and inverters and is neither within

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<sup>1</sup> 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 tons CO<sub>2</sub>e/year absolute (gross) or 20,000 tons CO<sub>2</sub>e/year relative (net) – both increases and savings.

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nor in close proximity Natura 2000 site. A construction permit for the building expansion has been issued on 13/09/2018 by the relevant competent authorities.

The buildings that host the project are conceived as Nearly Zero Energy Buildings (NZEB) with very efficient utilities powered by a photovoltaic system, which will also be connected to the pre-existing plant. The overall energy balance foresees that the buildings photovoltaic production capacity will generate more energy than required to power the building utilities, achieving the highest Energetic class, A4, in respect of DGR 1275/2015.

### **Environmental Assessment**

The results of the RDI activities to be undertaken by the promoter are expected to contribute to the reduction of GHG emissions, through the development of next generation wind power equipment and more efficient powertrain components. The investments are also focused on producing components and equipment dedicated to the renewable sector and the deployment of more efficient manufacturing processes. The project will therefore contribute to the development of a more efficient and sustainable European industrial sector and lead to increased environmental sustainability.

### **Public Consultation and Stakeholder Engagement**

During the SEA process the following stakeholders were involved: local authorities, USL, ARPAE, Archeological superintendence, ENAC, the Bologna Airport, RFI, HERA, TERNA, ENEL, Consorzio Bonifica Renana, Telecom, 6° Reparto infrastructure, Municipal Police, Calderara di Reno Municipality and other neighbouring Municipalities.

### **Other Environmental and Social Aspects**

The promoter has an integrated Policy for Quality, Safety and Environment, that promotes, in particular, sustainability, innovation, excellence, and prevention. The promoter's management system is certified to both UNI EN ISO 14001:2015 for the environment and BS OHSAS 18001:2007 for occupational health and safety.

## **Conclusions and Recommendations**

The R&D investment will be primarily implemented in existing facilities without changing their already authorised scope. Appropriate construction permit and authorisations are in place for the expansion of the site in Italy. The project will have positive environmental impacts, in particular through the development of next generation wind power equipment and the deployment of more efficient manufacturing processes.

PJ/SQM/ECSO