

**Public**

## **Environmental and Social Data Sheet**

### **Overview**

Project Name:	EV BATTERY GIGAFACTORY POLAND
Project Number:	2019-0378
Country:	POLAND
Project Description:	The project consists of the investments for the construction and operation of manufacturing facilities for advanced lithium-ion cells, battery modules and packs for application in battery-powered electric vehicles.
EIA required:	yes

A conclusion of the EIA process satisfactory to the Bank, obtaining all the necessary environmental approvals from the competent authorities and the provision of the full EIA study for publication will be a condition for the disbursement of the loan.

Project included in Carbon Footprint Exercise<sup>1</sup>: yes

(details for projects included are provided in section: "EIB Carbon Footprint Exercise")

### **Environmental and Social Assessment**

#### **Environmental Assessment**

The investment concerns the construction and operation activities associated with the expansion of a manufacturing facility for the production of advanced Li-ion battery cells, modules and packs. As such, the project includes the deployment of industrial processes concerning chemical conversion and metal processing. The investment therefore falls under the scope of EU Directive 2014/52/EU (Annex 2) amending the EIA Directive 2011/92/EU and the project has been screened in and requires an Environmental Impact Assessment and environmental operating authorisations from the competent authorities.

The promoter has submitted the EIA study and permit application to the competent authority (the Municipality of Kobierzyce – Wójt Gminy Kobierzyce) in August 2019. The promoter expects that the authorisation for the construction, the integrated permit for all emissions and wastes as well as the permit for greenhouse gas emissions will be granted before the end of 2019.

The project operations are subject to the requirements of the Seveso Directive, therefore the project consultations and approval applications were carried out under the relevant provisions of the Polish Environmental Code concerning the Seveso Directive.

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<sup>1</sup> Only projects that meet the scope of the Carbon Footprint Exercise, as defined in the EIB Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: 20,000 tonnes CO<sub>2</sub>e/year absolute (gross) or 20,000 tonnes CO<sub>2</sub>e/year relative (net) – both increases and savings.

Luxembourg, 12/12/2019

## **EIB Carbon Footprint Exercise**

The manufacturing process of Li-ion battery cells and packs involves rather energy-intensive processes and therefore has an impact in terms of CO<sub>2</sub> emissions. However, the promoter has already negotiated for the current production operations and has committed to negotiate and secure for the future project operations the supply of renewable (solar or wind) electricity from the grid from local utilities.

According to the Bank's methodology, the greenhouse gas emissions from the project operations will be assessed by considering both (i) the direct greenhouse-gas emissions from the natural gas fuelled heating production within the industrial site and (ii) the greenhouse gas emissions associated with the electricity sourced from the grid.

The estimated absolute emissions from the project in a standard year of operation are about 478 000 t CO<sub>2</sub>eq/y (with the emissions from renewable electricity sourced from the grid assessed at the country grid factor, according to the Bank's methodology).

The estimated relative emissions are about 26 400 t CO<sub>2</sub>eq/y (increase). This figure results by comparing (i) the project emissions at the plant in Poland with (ii) the current viable alternative to the project, i.e. producing the current volumes of battery cells still at the site in Poland and sourcing the incremental volumes of battery cells from a production plant located in China.

For the annual accounting purposes of the EIB Carbon Footprint, the project emissions will be prorated according to the EIB lending amount signed in that year, as a proportion of project cost.

## **Public Consultation and Stakeholder Engagement**

The promoter has undertaken a public consultation process in the context of the project in the period between 1 September 2019 and 30 September 2019.

- An advertisement with a call for consultations was published on 27 August 2019 in the notice board at the Commune Office in Kobierzyce and in the village of Biskupice Podgórze as well as on the website [www.ugk.pl](http://www.ugk.pl) (Public Information Bulletin).
- The interested public and stakeholders were offered the possibility to consult the relevant project documentation at the seat of the Commune Office in Kobierzyce and to submit comments and applications in writing at the Commune Office in Kobierzyce, during the public consultation period.
- The promoter has reported that no comments or complaints have been raised by the public and stakeholders during the public consultation process.

## **Other Environmental and Social Aspects**

The promoter's industrial site is certified according to ISO 14001 (Environmental Management) and OHSAS 18001 (Occupational Health and Safety Management) standards.

Luxembourg, 12/12/2019

## Conclusions and Recommendations

A conclusion of the EIA process satisfactory to the Bank, obtaining all the necessary environmental approvals from the competent authorities and the provision of the full EIA study for publication will be a condition for the disbursement of the loan.

The promoter is expected to implement all the mitigation initiatives that will be necessary as a result of the EIA process. Subject to this condition, the project is not expected to have any significant negative impact neither in the natural environment nor on the human environment and in public health. Pending the conclusion of the environmental authorisation process, the project is considered as acceptable for EIB financing.

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