



Luxembourg, 24 November 2022

Environmental and Social Data Sheet

Overview

Project Name:	ADVANCED ELETRONICS RDI
Project Number:	2022-0435
Country:	Germany, Bulgaria, Czech Republic, Spain, Poland
Project Description:	The project concerns the company's investments in power and comfort electronics, drive and comfort controls for automotive applications.
EIA required:	no
Project included in Carbon Footprint Exercise ¹ :	no

Environmental and Social Assessment

Environmental Assessment

The project concerns the development of products, processes and technologies spanning power and comfort electronics, drive and comfort controls for the automotive sector. The project investments related to power electronics concern the development of electric vehicles technologies and cover developments of platforms, modules and technologies as well as products for specific applications. Expected results of the project portfolio include increased product efficiency and safety, reduced emissions and the development scalable technology platforms and a broad range of and innovative solutions targeting electric vehicle applications.

The project concerns operational Research and Development activities that are not listed in the Annex 1 or 2 of the EIA Directive 2014/52/EU, amending Directive 2011/92/EU, and that will be carried out in existing facilities without changing their already authorised scope.

The project's R&D activities represent a central part of the promoter's operations and will be managed in the existing organisational structure and carried out by the promoter's R&D staff in various European countries. The operating procedures in place are in line with stringent automotive industry standards and the project's environmental sustainability is expected to be governed by said procedures. It is worth noting that, as an automotive supplier, the promoter is screened out of the EIB's PATH framework that does not include automotive suppliers among high emitting industrial segments.

Other Environmental and Social Aspects

In line with automotive industry best practices, the promoter has a strong safety culture and good operating and HSE (Health, Safety and Environment) procedures in place. The promoter has issued an environmental guideline incorporating the commitment to achieving its economic goals in compliance with the requirements of environmental protection. It targets climate neutral locations and production by 2045 within the Group and applies a management system according to ISO 14001: 2005, the international environmental management standard.

¹ 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 CO₂e/year absolute (gross) or 20,000 tonnes CO₂e/year relative (net) – both increases and savings.



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Conclusions and Recommendations

The project's activities are not covered under the EIA Directive 2014/52/EU amending Directive 2011/92/EU. The project activities per se do not have any direct impact on the environment; however the project R&D activities will partially contribute to further develop innovative component technologies for application in electric vehicles. It will contribute to improve electric vehicle performance, enhance their overall energy efficiency, reduce their manufacturing cost and then final price, and therefore lower the barriers to the adoption of such vehicles in the market. It will therefore contribute to reducing fuel consumption and CO₂ emissions of the automotive fleet and subsequently to increased environmental sustainability in Europe.

The project will also contribute to contribute to further knowledge creation and diffusion, through the promoter's R&D collaborations with universities and industrial partners, and to relevant upskilling and retraining of the promoter's workforce to operate in the evolving technology and market context. The project is therefore acceptable for EIB financing in E&S terms.