



Luxembourg, 13/07/2022

Environmental and Social Data Sheet

Overview

Project Name:	ADVANCED MOBILITY SOLUTIONS
Project Number:	2022-0004
Country:	Germany, Spain, Slovenia, Regional - EU countries, Poland
Project Description:	The project concerns the promoter's investments in R&D for innovative technologies for application in battery electric, plug-in hybrid electric and fuel-cell electric vehicles. It specifically includes investments for technologies in the fields of hydrogen and fuel cells components, electric motor and battery systems, power electronics, thermal management and cooling systems.
EIA required:	no
Project included in Carbon Footprint Exercise ¹ :	no

Environmental and Social Assessment

Environmental Assessment

The project consists of investments in Research, Development and Innovation (RDI) in the field of innovative component technologies for battery electric, plug-in hybrid electric and fuel-cell electric vehicle applications. It will contribute to improve electric and fuel cell vehicle performance and enhance overall energy efficiency while supporting the promoter's strategy of developing capability for future mobility solutions. The project focuses on technologies in the fields of hydrogen and fuel cells components, electric motor and battery systems, power electronics, thermal management and cooling systems. Expected results of the project portfolio include increased product efficiency and safety, reduced emissions and the development of a broad range innovative solutions targeting electric and fuel cell vehicle applications.

The project concerns operational Research and Development activities that are not listed in the EIA directive and that will be carried out in existing facilities without changing their already authorised scope. An Environmental Impact Assessment (EIA) is therefore not required under EIA Directive 2014/52/EU amending Directive 2011/92/EU.

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.

Other Environmental and Social Aspects

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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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. As of 2020, the promoter had 82 locations certified in accordance with ISO 45001 and targets to have all locations certified by 2023. Over 85 percent of approximately 160 locations are certified in line with ISO14001 and/or Eco-management and Audit Scheme (EMAS) standards.

Conclusions and Recommendations

An Environmental Impact Assessment (EIA) is not required under 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 contribute to further develop innovative component technologies for application in battery electric, plug-in hybrid electric and fuel-cell electric vehicles. It will contribute to improve electric and fuel cell 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.