

## Environmental and Social Data Sheet

### Overview

Project Name: *VW Innovative Powertrains*  
 Project Number: *2013-0523*  
 Country: *Germany*  
 Project Description: The project concerns the promoter's RDI activities in the fields of: (i) Battery powered electric vehicles, and (ii) Hybrid Vehicles, including mild and plug-in hybrids, and hybrid transmissions and (iii) the further development of small conventional powertrains. The project's activities are located at the promoter's R&D centres, headquartered in Wolfsburg, Germany.

EIA required: no

Project included in Carbon Footprint Exercise<sup>1</sup>: /no

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

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

The project concerns investments in research and development that will be carried out in existing facilities without changing their already authorised scope. An Environmental Impact Assessment (EIA) is therefore not required by EIA Directive 2011/92/EU. The project per se does not have any impact on the environment and overall, it is considered as environmentally acceptable. All R&D sub-projects have as an objective the improvement of CO<sub>2</sub> and pollutant emission characteristics; the significant improvements that will result from the plug-in hybrid, battery electric and fuel cell powered vehicles projects, will be necessary contributors towards the long-term demanding CO<sub>2</sub> emission targets.

### Environmental and Social Assessment

#### Environmental Assessment

The first part of the programme, Part A, (Optimisation of conventional internal combustion powertrains) will allow the company to comply with its 2015 requirements. The 2020 objectives however will require the wider deployment of electrified powertrains and of decarbonised (or with reduced CO<sub>2</sub> emissions) fuels, areas that are addressed in the second part of the promoter's programme. More specifically, the second part includes the development of plug-in hybrid powertrains, battery electric vehicles, fuel cell powered vehicles and Compressed Natural Gas powered vehicles.

#### Other Environmental and Social Aspects

As an automotive manufacturer, the company's most significant environmental impact comes through its products. Besides the objectives of cutting the group's fleet average emissions to 120 g/km by 2015 and 95 g/km by 2020, the promoter's product related Environmental Principle stipulate that over its entire life cycle, every new vehicle model should exhibit superior environmental properties to its predecessor. In addition the company pays high

<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 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.

attention to the production processes and has set as a goal to reduce by 25% the environmental impacts from its production operations by 2018.

The promoter demonstrates high level of awareness of the key environmental issues. In 1995, Volkswagen was the first automaker to voluntarily participate in the EU Eco-Audit at its German plants, while its sites worldwide participated in the environmental certification process to ISO 14001. In the interest of transparency, the company's Sustainability Report was certified in accordance with the AA1000AS standard. In addition, the Global Reporting Initiative (GRI) has awarded this publication its highest rating "A+". Moreover, the report complies with the requirements of the German Sustainability Code. VW's commitment to sustainable development is further documented by their inclusion in key international indices such as the Dow Jones Sustainability World Index and the FTSE4Good, as well as by the involvement in the Carbon Disclosure Project.