

Environmental and Social Data Sheet

Overview

Project Name: *FIAT INDUSTRIAL R&D*
 Project Number: *20110494*
 Country: *ITALY*
 Project Description: The project concerns the promoter's selected R&D activities for the development of powertrain technologies and components, including alternative powertrains and fuel technologies, as well as new vehicle architectures for light, medium and heavy duty commercial vehicles as well as agricultural and off-road equipment. The principal aim of the activities is the reduction of fuel consumption and emissions.

EIA required: NO

Project included in Carbon Footprint Exercise¹: NO

(Details are provided in section: "Carbon Footprint")

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 already authorised. 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; however overall, it is considered as environmentally acceptable with minor negative residual impact as, while the products of the programme will have significantly lower emissions and fuel consumption improving the current situation, they will still add to the environmental load.

Environmental and Social Assessment

Environmental Assessment

The project concerns selected R&D activities on powertrains and vehicle architectures, aiming at the reduction of fuel consumption, CO₂ and polluting emissions in the following areas: (i) development of new engines and auxiliary systems compliant to new emission standards and their implementation on light, medium and heavy duty commercial vehicles, as well as on agricultural (off-road) vehicles; (ii) development of new transmission technologies and applications for heavy duty, and agricultural vehicles; (iii) development of alternative powertrains and fuel technologies for commercial vehicles, including development of diesel-electric hybrid applications and CNG/LNG applications and (iv) development of new BIW structures with improved aerodynamic characteristics and reduced weight, for light, medium and heavy duty commercial vehicles.

EIB Carbon Footprint Exercise

Project is not included - the EIB draft Carbon Footprint Methodologies only include emissions from Investment Loans, and large allocations under Framework Loans, above the methodology thresholds.

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

Other Environmental and Social Aspects

Fiat Industrial has initiated certification of its production processes to ISO 14001 standards group-wide and, at year-end 2011, 55 plants were ISO 14001 certified, accounting for approximately 90% of industrial revenues. By the end of 2012, all Group plants that already existed in 2010 are expected to be ISO 14001 certified

The company monitors its environmental impact and has set strong targets for reductions over the next few years. The environmental objectives include:

- Optimization of withdrawal and discharge of water aiming at up to 55% reduction vs. 2009 unit values by 2014;
- Optimization of waste management aiming at up to 90% of waste recovered and up to 10% reduction vs 2009 of waste generated at Group plants worldwide by 2014;
- Application of best available techniques for reduction of Volatile Organic Compounds (VOCs) in paint shops aiming at up to -15% vs 2009 in VOC emissions per square meter by 2014;
- Roll-out of the energy management system and certification of main plants under European standard EN 16001 to (representing approx. 90% of total energy consumption) by 2013;
- Reduction by up to -30% vs 2009 in energy consumed, up to -35% vs 2009 in CO₂ emissions per unit values at Group plants worldwide by 2014;
- For 2012, reduction by 12% of total (direct and indirect) energy consumed by the Group from renewable sources.