

Environmental and Social Data Sheet

Overview

Project Name: *CARGOTEC RDI*
 Project Number: *20110465*
 Country: *Finland, Sweden*
 Project Description: The project concerns investments in research, development and innovation related to cargo handling equipment and systems during the period of 2012-2015

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 primarily investments in research and development that are expected to be carried out in existing facilities already authorized not requiring an Environmental Impact Assessment (EIA) according to the relevant directives. The project also includes capital expenditures related to the construction of a technical centre in the premises which are within an industrial site. The promoter has received all the necessary building permits (construction is underway). The facilities will include laboratories to be used for random integrated driveline tests and the competent authority has not required an EIA as it does not consider that they fall within the scope of engine test benches as defined in Annex II of the Directive 85/337/EC, amended by Directives 97/11/EC and 2003/35/EC. Parts of this R&D project will bring about environmental benefits in terms of energy efficiency and reduction of emissions and noise. The project is therefore considered as acceptable.

Environmental and Social Assessment

Environmental Assessment

The environmental impact of the R&D operations of the company is negligible, and the more significant impact is actually linked to its products.

One of the main areas of focus of the company's advanced engineering activities concern the development on common basic technologies mainly in alternative energy sources and environmental issues, including the development of equipment with fewer emissions, lower fuel consumptions, improved energy efficiency through recuperation and reutilisation of energy, hybridisation, development of synthetic & bio oils, alternative fuels, less consumption of lubricants, lower noise, and fuel cell technology. Similarly, common themes across the product development include also energy efficiency, environmental aspects – such as, minimising emissions and noise levels and preventing oil leakage.

The company is putting in place its own environmental certification which rates the environmental efficiency and impact of the Cargotec products by measuring concretely items such as the source of power, energy efficiency, carbon efficiency, local emissions (power

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.

source, oil amount, and noise) and recyclability. This tool is expected to be integrated in the R&D process and will help for the selection and evaluation of projects.

In addition to the environmental attention in its products, Cargotec monitors and reports the environmental figures of its own operations. More specifically, Cargotec reports the impact of its assembly units in terms of direct and indirect energy consumption, water usage, green house emissions and other pollutant emissions to the atmosphere, and waste.

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.

Other Environmental and Social Aspects

The certified ISO 9001 and ISO 14001 quality and environmental management systems serve as basic tools for Cargotec's own environmental management. Out of its 21 assembly units, 13 have been ISO 14001 certified and 20 hold the ISO 9001 certification.

Cargotec supports the ten principles of the UN Global Compact, which asks companies to embrace, support and enact, within their sphere of influence, a set of internationally defined core values in the areas of human rights, labour standards, the environment, and anti-corruption.

In addition, for the first time in 2011, Cargotec based its sustainability reporting on the G3 reporting guidelines defined by the Global Reporting Initiative (GRI). A third-party check confirmed that Cargotec's 2011 sustainability reporting meets the requirements for GRI's Application Level B, which could be considered as a good starting point for external reporting.