Luxembourg, 06 December 2021

Public

Environmental and Social Data Sheet

Overview

Project Name:	HALDOR TOPSOE INNOVATIVE CATALYSTS SOLUTIONS
Project Number:	2020-0781
Country:	Denmark
Project Description:	R&D investments for the development of new catalysts and catalytic technologies with a special focus on innovative hydrogen technologies and other catalytic technologies for carbon emission reduction applications.
EIA required:	no
Project included in Carbon Footprint Exercise[1]:	no

Environmental and Social Assessment

Environmental Assessment

The project concerns operational expenditure in research, development and innovation for the development of new products (catalysts) and new catalytic technologies to support the promoter's customers in transition towards renewable energy and carbon neutrality of industrial operations.

The project will specifically support the most promising environmentally-friendly technologies for the production of greener chemicals and renewable fuels (such as green hydrogen, green ammonia, biofuels, and electrified methanol).The projects also includes the development of technologies and catalysts for catalytic filtration application which target the capture of dusts and pollutants from flue gases and other off-gases at industrial plants.

The RDI activities will be carried out in already existing and authorised R&D facilities. The project does not fall under any of Annexes of the Environmental Impact Assessment Directive – Directive 2014/52/EU amending Directive 2011/92/EU and therefore, not requiring screening or EIA Report.

The project has been assessed for Paris alignment and is considered aligned with both low carbon and resilience goals against the policies set out in the Climate Bank Roadmap. The promoter works with the Science Based Targets initiative to ensure that the company will significantly reduce its greenhouse gas emissions across its value chain in the coming decade, in support of the Paris Agreement. The short term target for 2021 is a 15% reduction compared to 2019.

[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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2020 marked the launch of Topsoe's transformation, with the overarching purpose of "Perfecting chemistry for a better world", and the target to be recognized as the global leader in "carbon emission reduction technologies" by 2024. (additional details can be found in Topsoe's 2020 annual report).

Other Environmental and Social Aspects

The promoter has a clear corporate governance structure and practices corporate social responsibility, which is entrenched in the company structure. Appropriate procedures and systems are in place as regard operational health and safety. As part of the recent company reorganisation, the role of the Health, Safety & Environment department was reinforced with new leadership reporting to the CEO.

In May 2020, Topsoe joined the United Nations (UN) Global Compact to implement universal sustainability principles and to take steps to meet the UN Sustainable Development Goals.

Conclusions and Recommendations

The RDI activities will be carried out in already existing and authorised R&D facilities. The project does not fall under any of Annexes of the Environmental Impact Assessment Directive – Directive 2014/52/EU amending Directive 2011/92/EU and therefore, not requiring screening or EIA Report

The project per se does not have any impact on the environment. However, the project R&D activities are exclusively focusing on the development of "carbon emission reduction" applications and processes (technologies and catalysts) that will contribute to climate mitigation and to the reduction of pollutant emission in the atmosphere.

The project is therefore acceptable for financing by the Bank in environmental and social terms.