



Luxembourg, 17 December 2025

Environmental and Social Completion Sheet (ESCS)¹

Overview

Project Name: CARL ZEISS RDI FINANCING
 Project Number: 20200568
 Country: Germany
 Project Description: The project, implemented in the promoter's location in Oberkochen, Germany, related to the investments in RDI activities to further develop the current EUV (extreme ultraviolet) based semiconductor lithography technology.

Summary of Environmental and Social Assessment at Completion

EIB notes the following Environmental and Social performance and key outcomes at Project Completion.

RDI on optical equipment for semiconductor manufacturing is not specifically covered by Annexes I or II of the EIA Directive 2014/52/EU amending the Directive 2011/92/EU. The proposed investments have taken place inside buildings at R&D facilities already being used for similar activities and have not had any significant environmental impact on the surroundings.

During the project, no significant events or developments with negative ecological or social impacts were identified.

Innovations in EUV optics improve the energy efficiency of future high-performance processors and increase the energy-efficiency in data processing. The design rules for smaller process nodes in the semiconductor devices lead to smaller and more efficient chips, with lower power consumption per unit of computing power.

Availability of efficient semiconductor devices is paramount for the transition of several sectors to a low carbon and climate resilient economy. Electronic chips are the basic infrastructure that enables the deployment of low-carbon and decarbonisation scenarios, such as Smart Grids, Smart Agriculture, and Smart Cities leading to significant sustainability benefits across the whole economy and fulfil the Paris Alignment criteria set out in the EIB's CBR (Climate Bank Roadmap).

The promoter sources 100% renewable energy, of which 76% comes from certified renewable electricity. In the 2023 fiscal year, the recycling rate was 96%, and the total energy consumption increased by only 3.6% despite strong company growth (+16%).

Summary opinion of Environmental and Social aspects at completion:

EIB is of the opinion based on reports from the promoter that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.

¹ The template is for ILs and FLs