Luxembourg, 22.12.2023

Environmental and Social Data Sheet

Overview

Project Name:	OLEDWORKS (I-EU FT)
Project Number:	2021-0363
Country:	Germany
Project Description:	OLEDworks designs and develops OLED lighting solutions for the automotive industry, micro displays as well as non-automotive & speciality lighting. The project supports the Company's expansion and product development in the EU, targeting mainly automotive clients. The project concerns research and development activities and capital expenditures for the serial production of OLED panels at an existing facility.

EIA required:	no
InvestEU sustainability proofing required	yes
Project included in Carbon Footprint Exercise[1]:	no

Environmental and Social Assessment

Environmental Assessment

The project includes the promoter's RDI activities in the field of organic light emissions diode (OLED) systems and solutions with the main focus on the development of lighting solutions for the automotive sector. The project also includes the implementation of manufacturing equipment and machinery, inside an existing OLED manufacturing facility in order to support the promoter's growth plans. The investment will increase the manufacturing capacity of OLEDs and enhance the core OLED manufacturing equipment by adding fully automated pre and post processing lines specifically designed for automotive lighting devices.

The activities included in the project do not fall under any Annex of the EIA Directive 2014/52/EU amending the Directive 2011/92/EU and will be carried out in existing facilities already authorised that will not change their scope due to the project. The increased capacities for OLED devices will be implemented in an existing industrial building and is already authorised for the planned activities.

The output of the investment project is associated with some environmental benefits. If compared to current automotive backlights, an OLED based solutions consumes less energy, is smaller, lighter, does not contain any toxic metals and uses less additional components. Hence, the outcome of the project will help to reduce the environmental footprint of lighting solutions for vehicles in general. Other R&D activities focus on further improving the resource efficiency of OLED devices and further evolving design characteristics, including bendable

[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.

OLED panels. Those will further support the adoption of this innovative product in the market. Therefore, the project is expected to have a positive environmental impact.

EIB Paris Alignment for Counterparties (PATH) Framework

The counterparty is in scope and screened out of the PATH framework, because it is not considered high emitting. The project to be financed by the Bank concerns the promoter's research and development activities as well as investment in capacity expansion, mainly with the acquisition of specialised equipment and production machinery.

Social Assessment

The project is not expected to present any significant labour risks nor health and safety risks with the overall social risk being low. The promoter's activities generate a positive employment impact in the Aachen region in Germany.

Other Environmental and Social Aspects

Awareness on environmental protection and operational health and safety appears well integrated into the company's policies. The plans to certify its research and manufacturing facilities according to ISO 14001 for environmental management and ISO 45001 for occupational health and safety management are expected within one year after start of operation. Furthermore, the promoter and manufacturing facility is expected to be certified IATF 16949 for quality management as well roughly one year after start of operation.

Conclusions and Recommendations

Sustainability proofing conclusion: The project is carried out in compliance with applicable national and EU environmental and social legislation. Based on the environmental, climate and social information and based on the review of the likely significant environmental, climate and social risks and impacts and the mitigation measures and management systems in place, the project is deemed to have low residual environmental, climate and social risks and impacts. No further sustainability proofing is therefore required.

Considering the above, the project's direct environmental impact is expected to be very limited, with an expectation of a small positive impact in the form of lower power consumption in vehicles from improved energy efficiency and lower weight of back lighting. The project is thus acceptable for financing by the Bank in environmental and social terms.