

## Environmental and Social Data Sheet

### Overview

Project Name:	TERMA SPACE AND RADAR TECHNOLOGY RDI
Project Number:	2015-0805
Country:	Denmark
Project Description:	The project entails RDI investments for the development of new and improved high-tech products for civilian applications of space such as components for satellites, of radar technology for security / surveillance applications and airborne self-protection systems. The activities will be carried out in Denmark.
EIA required:	No
Project included in Carbon Footprint Exercise <sup>1</sup> :	No

### Environmental and Social Assessment

#### Environmental Assessment

The project activities do not fall under Annexes I and II of the EU Directive 2011/92/EC, and are therefore not subject to mandatory Environmental Impact Assessments. The proposed investments will take place mainly inside existing RDI facilities already being used for similar activities, and are not expected to have a significant environmental impact on the surroundings.

Terma is a company that is operating in sensitive sectors and is therefore required to have well developed and documented procedures. This is also reflected in its Corporate Social policy, which is covering the following key areas: customer, suppliers, employees, environment and community. Key elements of the CSR are the fight against corruption, the code of conduct against which the management is annually evaluated as well as a reduction of the CO<sub>2</sub> emissions and the use of hazardous chemicals. There is an annual CSR report published in which Terma presents the results and also the work programme as well as the targets for the coming two years.

Terma has also implemented the relevant directives for the manufacturing industry such as REACH, RoHS and WEEE. Its manufacturing sites are certified according to ISO 9001.

The radar systems developed by this project will create, once operational, radio magnetic emissions, that could potentially have long term adverse effects on health even when operated within the set limits. However so far, studies have not shown any such effects if the systems are operated within the exposure limits set by International Commission on Non-ionizing Radiation Protection (ICNIRP) a WHO recognised non-governmental organisation. When comparing radar systems with mobile networks, which create permanently radio-magnetic emissions, it is important to consider that radars are constantly rotating reducing the impact on a single location, uses pulsed and beam formed signals reducing the average signal strength and is typically mounted on sites with a regulated safety distance. Also it is important to consider that the planned developments aim at increasing the radar sensitivity, i.e. to have a higher resolution at the same or reduced radar power levels.

<sup>1</sup> 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 CO<sub>2</sub>e/year absolute (gross) or 20,000 tons CO<sub>2</sub>e/year relative (net) – both increases and savings.

As Terma is offering high tech radar solutions for surveillance and detection, it has also developed a couple of applications that help to mitigate the environmental impact through radar solutions for environmental monitoring by aircrafts (faster and better detection of pollutions) and for the reduction of the obstruction through light systems of windfarms.

## **Conclusions and Recommendations**

The project activities are not subject to mandatory Environmental Impact Assessments. The proposed investments will take place mainly inside existing RDI facilities and are not expected to have a significant environmental impact on the surroundings.

Terma is having a good Corporate Social Responsibility policy including annual reporting as well as the relevant certifications for the manufacturing sector.

The radiation emissions of its radar products are also regulated by ICNIRP standards and are currently not considered of having long term adverse health effects if properly operated.

Therefore, the project has been classified as acceptable in environmental terms for the Bank's financing.