

## Environmental and Social Data Sheet

### Overview

Project Name:	OXFORD INSTRUMENTS R&D
Project Number:	2010-0689
Country:	UNITED KINGDOM, FINLAND, GERMANY
Project Description:	Financing of R&D in the field of nanoscience, plasma technology and magnetic resonance

EIA required: NO

Project included in Carbon Footprint Exercise<sup>1</sup>: 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 investments in research and development carried out in existing facilities already authorised by appropriate environmental authorisations. An Environmental Impact Assessment (EIA) therefore is not required by EIA Directive 85/337/EC, amended by Directives 97/11/EC and 2003/35/EC. Overall, the project is considered acceptable with no negative residual impacts.

### Environmental and Social Assessment

#### Environmental Assessment

The project consists of the promoter's RDI activities for (i) new nanotechnology tools (e.g. Pulse Tube Refrigerators, cryofree magnets, scanning probes and detectors for electron microscopes, plasma deposition processes, dedicated software), aimed at research and industrial customers, in both the public and private sector and (ii) industrial products and equipment (e.g. X-Ray Fluorescence detectors, probes for Optical Emission Spectroscopy, NMR instrumentation, dedicated software) serving primarily industrial users.

The Group's products and services provide solutions which help address the global issues of environmental control including the screening and detection of hazardous substances in soils, electronic goods and petroleum, energy conservation, healthcare and security, through the development of high technology, instruments and systems. The Group participates in ITER, a multi-national, government sponsored global project to research into alternative clean, sustainable energy sources, in which its superconducting wire is a key enabling factor.

The Group has a commitment in pursuing the highest standards of environmental performance. An Executive Director is responsible for co-ordinating the Group's sustainability and carbon performance objectives, reviewing performance against these objectives and for relationships with external agencies. Every site has an Energy Champion who is responsible for implementing plans to reduce its carbon footprint, reporting on a monthly basis, the energy consumption and reduction activities. In the financial year 2009/10 the Group's global electricity consumption as a percentage of sales fell by 6.4% against a 5% target reduction. This financial year, 2010/11, the Group reduced energy consumption as a percentage of sales by 15%. The Group has achieved the Carbon Trust Standard in the UK, awarded in recognition of the work undertaken to reduce the carbon footprint.

<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.

**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**

N.A.

