

## Environmental and Social Data Sheet

### Overview

Project Name: HOLLAND PROTON THERAPY RESEARCH CENTER  
 Project Number: 20120328  
 Country: Netherlands  
 Project Description: New research-focused Proton Therapy (PT) Centre in Western Holland promoted by Delft University of Technology (TU Delft), Leiden University Medical Centre (LUMC) and Erasmus University Medical Centre Rotterdam (Erasmus MC).

EIA required: YES

NTS to be provided as a condition for first disbursement.

Project included in Carbon Footprint Exercise<sup>1</sup>: NO

### Summary of Environmental and Social Assessment, including key issues and overall conclusion and recommendation

The project will be located at the campus of Delft University of Technology, an existing site for scientific research. A full Environmental Impact Assessment (EIA) is required for the project as per Annex II of the Directive 2011/92/EU and is being carried out; the provision to the Bank of evidence of the completion of the EIA process is a contractual loan condition. Overall, the project residual impacts are well mitigated and the project is considered to be environmentally acceptable with minor negative residual impact.

### Environmental and Social Assessment

#### Environmental Assessment

The Environmental Impact Assessment of the project constitutes part of the Nuclear Energy permit that the facility needs to be granted before ground breaking. Concerning radiation protection, in the planning phase safety of the patients and of the personnel have been taken into account in the design of the beam control and shielding of the cyclotron; in the operational phase controlled access plans and other safety and monitoring systems are foreseen to seclude and control active zones and protect the persons concerned according to relevant national and EU environmental legislation. The building design is state-of-the-art and incorporates several measures for environmental sustainability, including an underground heat-and-cold storage system. Possibly dangerous wastes produced during operations will be collected, isolated, classified, labelled and treatment and disposal conducted following relevant national and EU environmental legislation. No impact on protected flora and fauna (Habitats 92/43/EEC and Birds 79/409/EEC) is expected.

#### Social Assessment

The recruitment of patients within clinical trials is performed in accordance with the European directive (2001/20/EC).

<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.