

## Environmental and Social Data Sheet

### Overview

<i>Project Name:</i>	<b>JOHNSON MATTHEY R&amp;D III</b>
<i>Project Number:</i>	<b>2011-0653</b>
<i>Country:</i>	<b>UNITED KINGDOM</b>
<i>Project Description:</i>	Financing of the R&D activities in the field of environmental catalysts and technologies applied to exhaust after-treatment systems for the automotive industry and to industrial processes for the petro-chemical and chemical industries.
<i>EIA required:</i>	No
<i>Project included in Carbon Footprint Exercise<sup>1</sup>:</i>	No

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

The project concerns the promoter's R&D activities in the field of environmental catalysts and technologies primarily based on the promoter's established expertise in the use of precious metals (platinum, palladium, etc..) that will be carried out in existing facilities already authorised and therefore does not require an Environmental Impact Assessment (EIA) under Annex II of the Directive 2011/92/EU.

The project will contribute to significant pollutant and CO<sub>2</sub> emission reduction throughout the range of the developed products. The project is therefore considered acceptable.

### Environmental and Social Assessment

#### Environmental Assessment

The project targets the development of new catalysts for Exhaust After-treatment Systems (EAS) that will help automotive vehicles complying or even exceeding the latest relevant EU legislation setting the standards for pollutant emissions applicable to (i) passenger cars and light commercial vehicles (regulations 715/2007 and 692/2008 concerning Euro 5 & Euro 6), (ii) heavy commercial vehicles (regulations 595/2009 and 582/2011 concerning Euro VI) and (iii) non-road machineries and vehicles (directives 2004/26/EC and 2005/13/EC concerning stage III & stage IV). The project also includes the development of catalysts to produce liquid fuel from gas (GTL), from coal (CTL) or from biomass (i.e waste cellulose or algae) as well as to improve the production process of hydrogen. These products will contribute to reduce the CO<sub>2</sub> emissions from chemical and petro-chemical processes.

#### Other Environmental and Social Aspects

The proposed R&D activities will not materially change current R&D practices and will make use of existing laboratories and work forces. The promoter applies stringent Environment, Health and Safety (EHS) policies and has a sound EHS management system. No social impact is expected.

The issues related to the mining of certain minerals in the region of conflict within the Eastern Democratic Republic of Congo (DRC) and neighbouring countries has been a major focus of the promoters supply chain assessment in the last years. A "Conflict Free Mineral Policy" was published by Johnson Matthey North America in March 2011 to address this issue. An "Ethical and Sustainable Procurement Policy" is also in place to deal with suppliers' selection.

<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.