Attachment 5, Project information sheet.

ECO/12/333037/GREENGAS
Gas membrane for natural gas purification

**Programme area:** First Application and market replication projects

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**Benefits (max. 150 characters incl. space):**  
Remove the barriers for market penetration of novel eco-innovative gas membrane modules by stabilisation of the manufacturing process and by demonstration of their gas separation performance in natural gas fields.

**Keywords:**  
Gas separation module / natural gas

**Sector:** Green Business

**Type of solution**  
Product

**Duration:**  
01/09/2013 – 01/09/2015

**Budget:**  
€ 3323,827,- (EU contribution: 44.5%)

**Contract number:**  
ECO/12/333037

**Summary**

In this project the manufacturing process of a novel eco-innovative gas selective membrane module will be stabilised, and a total of 2850 gas membrane modules will be prepared for demonstration studies at a number of natural gas fields.

The obtained demonstration site performance data will be used to prepare technical and environmental fact sheets and scientific publications. Total operating cost analyses and product life cycle assessments will be included.

These data will be used to negotiate supply and purchase agreements with the involved launching customers (gas field exploring companies), and to promote the eco-friendly gas membrane technology in a wide sense.

Final use of the 2850 gas selective modules to substitute amine washing technology will save 4.9 GWh/y electricity, 92 ton NOx and 10 ton SOx emissions.

The consortium will improve it’s innovative competences and will be positioned in a leading roll for further market expansion of this eco-innovative technology.

**Expected and/or achieved results**


Energy savings comparable to an annual electrical power consumption of 1600 Dutch households.

NOx/SOx emission reductions comparable to 250.000 households

The information sheet will be published in the Eco-Innovation website. The EACI reserves the right to edit the information sheet for content and length.