

## PRESS RELEASE

### **Methanation Technology for Coal-to-SNG Project in China for Xinwen Mining Group Co., Ltd**

London, June 2010

Davy Process Technology (DPT), part of Johnson Matthey Plc, is pleased to announce that it has entered into contracts with Xinwen Mining Group Co., Ltd for a plant to produce Substitute Natural Gas (SNG) from coal. The scope of the project includes a technology licence, basic engineering design, catalysts and support services for the methanation unit that converts synthesis gas to SNG.

The new plant will be located in Yili, Xinjiang, and have a capacity of 6,000,000 Nm<sup>3</sup>/day of SNG produced from 2 parallel units which will be constructed simultaneously. This will be the second major SNG project in China.

The selected methanation technology has been chosen from an extensive portfolio of processes available from DPT and Johnson Matthey Catalysts for use in gas and coal-to-chemicals plants. The technology was originally developed in the UK specifically for the purpose of SNG production and has been licensed by DPT since 1997. Catalysts for the process are supplied by Johnson Matthey Catalysts. Such catalysts are already in use in SNG production at a commercial scale in the USA.

Notes to the editor:

**Xinwen Mining Group Co. Ltd.** is a large mining company with headquarters in Shandong Province, one of the largest coal mining companies in China.

**Davy Process Technology**, a fully owned subsidiary of Johnson Matthey Plc, is a global business in chemicals technology development and technology licensing. The company has its headquarters in London and has a Technology Centre in Stockton-on-Tees, UK. It owns a range of proprietary process technologies including Methanol, fixed-bed Fischer Tropsch, SNG, Butanediol, Detergent Alcohols, Oxo Alcohols, Industrial Amines, Ethyl Acetate and PTA.

**Johnson Matthey Catalysts** is a supplier of both precious and base metal catalysts and offers products for a diverse range of industries: from fuel cells and environmental catalysts to petrochemicals, edible oils and specialist oil and gas purification. Johnson Matthey Catalysts also supplies a full range of catalysts for synthesis gas (syngas), ammonia, methanol and hydrogen, and is able to custom manufacture Fischer Tropsch catalysts.

For further information, visit our websites at [www.jmcatalysts.com](http://www.jmcatalysts.com),  
[www.davyprotech.com](http://www.davyprotech.com) or contact Andy Hiles, [andy.hiles@davyprotech.com](mailto:andy.hiles@davyprotech.com)  
or Philip Eastland, [phil.eastland@davyprotech.com](mailto:phil.eastland@davyprotech.com)