

Australian technology contributes to BHP Billiton's Iron Ore Expansion

Iron ore expansions at BHP Billiton have created a demand for a further 6 LFM Moisture Analysers, to be delivered by Intalysis.

Engineered in Australia by the CSIRO, the LFM is the product of over twenty years of experience in microwave moisture analysis. The development of the LFM was part of a larger BHP Billiton project, managing dust



through its mine and ports as production expanded with the finer goethitic ores from Area C and Yandi. The project was recognized by BHP Billiton as the most successful environmental program of 2006. Intalysis was recently awarded with the Frost and Sullivan 2008 Technology Innovation Award for moisture analysers in bulk materials in recognition of the ongoing development of the LFM to cope with more demanding applications.

With the shipment of the second billionth tonne of iron ore taking less than half the time as the first billionth, the growth in iron ore production has been phenomenal. This exponential rate of growth is a direct result of a series of 'Rapid Growth Programs' (RGPs) which BHP Billiton has embarked on. With RGP3 ramping up to full capacity, BHP Billiton are currently working on RGP4 on Finucane Island and the Newman Hub.

The last 6 LFMs supplied by Intalysis were delivered as part of RGP4, bringing the total number of LFM Moisture Analysers installed at BHP Billiton's Pilbara operations to over 30. Previously, 8 LFM moisture Analysers had been installed as part of RGP3 and the rest have been retrospectively installed to existing infrastructure.

The LFM moisture analyser is able to continuously measure the moisture content of the iron ore which is then communicated to the plant control system. The plant control system then determines how much water to spray onto the iron ore to prevent unwanted dust. The measurement needs to be very accurate as even a small excess of moisture can cause

handling problems if the ore becomes sticky which results in blockages and other production stoppages.

Due to the success of the LFM moisture analyser with BHP Billiton and other Australian companies, the CSIRO completed the commercialisation of the LFM. As a result, Intalysis Pty Ltd was formed in October 2005 and is still 100% owned by the CSIRO. Intalysis has now built over 80 LFM moisture analysers for customers in Australia, South Africa, Brazil and Europe for applications including iron ore, coal, bauxite, metallic sulphides and numerous other materials.

Intalysis is very pleased to have been associated with BHP Billitons success and growth in iron ore production in Western Australia and would like to thank them for their business so far. We very much look forward to the continuing business and being part of further iron ore expansions into the future.

INTALYSIS PTY LTD

16/56 Buffalo Rd Gladesville NSW Australia 2111

PO Box 3036 Monash Park NSW Australia 2111

Mob +61 2 9807 9646

Fax +61 2 9807 9391

Email info@intalysis.com.au

Web www.intalysis.com.au

