
LATROBE MAGNESIUM GRANTED INDONESIAN PATENT FOR ITS UNIQUE HYDROMET PROCESS

11 October 2016, Sydney Australia: Latrobe Magnesium Limited (ASX:LMG) wishes to advise that it has been granted an Indonesian patent for its unique hydromet process.

The Australia, USA and China patents have already been granted for 20 years starting from August 2011. The process involves the treatment of the spent fly ash from brown coal-powered electricity generation using chemicals to reduce sulphur, iron and silicon to acceptable levels so that the beneficiated material can be used as a feedstock in the thermal reduction process.

The result is an efficient and novel means of producing magnesium and supplementary cementitious material production extracted from voluminous tailings of industrial fly ash from some of the world's brown coal electricity generators.

The process is 100% owned by LMG.

Patent applications were lodged in March 2013 for two additional international territories being all countries within the European Union and India. All these countries are known to have large lignite / brown coal deposits. The patents for these two territories are expected to be granted later this year. To date LMG has concentrated its activities on the Latrobe Valley and Germany.



David Paterson
Chief Executive Officer

About Latrobe Magnesium

Latrobe Magnesium is developing a magnesium production plant in Victoria's Latrobe Valley using its world-first patented extraction process. LMG intends to extract and sell magnesium metal and cementitious material from industrial fly ash, which is currently a waste stream from brown coal power generation.

LMG is expected to complete its feasibility study validating its combined hydromet / thermal reduction process that extracts the metal in the next month. Production from its initial 5,000 tonne per annum magnesium plant is due to start at the end of 2017. The plant will be in the heart of Victoria's coal power generation precinct, providing immediate access to feedstock.

LMG plans to sell the refined magnesium under long-term contracts to Australian and overseas users. Currently, Australia imports 100% of the 10,000 tonnes annually consumed.

Magnesium has the best strength-to-weight ratio of all common structural metals and is increasingly used in the manufacture of car parts, laptop computers, mobile phones and power tools.

The LMG project is at the forefront of environmental benefit – by recycling power plant waste, avoiding landfill and is a low CO₂ emitter.