

The Catalyst Group Resources

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PRESS RELEASE

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CBM/CMM Could Fuel 10% of Global Natural Gas Demand....

While coal bed methane (CBM) and coal mine methane (CMM) reserve estimates are rough, they have been globally estimated at between 84-261 Tcm (2,900 – 9300 Tcf), compared to natural gas consumption of 2.75 Tcm (96Tcf), and CMM at 10-23 Bcf respectively. This represents 90 – 105 years of natural gas supply according to EIA (International Energy Annual 2003).

New technologies, including underground coal gasification (UCG), which have been commercially tested in Spain (1992-98), China (since 1999) and Australia (since 1999) by Ergo Energy Technologies, Linc Energy Ltd, and UCG Engineering Ltd, have shown commercial viability. Moreover, an economic analysis of UCG power generation, using GE technologies, shows the capital costs that are one-half of conventional IGCC power generation, with the potential to produce power at \$US 10.0/MWh (Blindesman and Jones, 2002). New absorption and catalytic technologies also hold vast promise to capture ventilation air methane (VAM) and use it to produce power or concentrate CMM to reduce flaring. **CBM and CMM represent vast short term energy potential!**

The Catalyst Group Resources' (TCGR) study, entitled, "Alternative Energy and Fuels Technology: Emerging Catalytic Processes to Improve Efficiencies and Yield", has been initiated by an industrial consortium to identify new technologies and investment opportunities for our international clients that may impact their portfolio analyses over the next five (5) to ten (10) years. Already, a high interest has been demonstrated by the international energy industry, with key players subscribing to the study. In addition, the US government has also expressed keen interest and has been actively engaged in recommending world recognized contributing authors in the relevant chapters.

Our comprehensive report is very timely, given the huge potential and unique opportunities in this rapidly expanding field. This milestone study will set the stage for an ongoing dialog on which new technologies to invest in over the next twenty (20) years. The Catalyst Group (TCG) and The Catalyst Group Resources (TCGR), as the leading commercial/technical consultancy to the catalytic process industries, with a significant history in the petroleum, natural gas, GTL and DME fields, are uniquely positioned to understand, benchmark and strategically assess leading technology development in the energy field.

The study will be available in printed format as well as electronically (as a PDF file), allowing unlimited use/distribution of the report on a site-license basis. For more information, see our website at <http://www.catalystgrp.com/AlternativeEnergyMultiStudy.html> or contact Jeanne Drahos (jmd@catalystgrp.com) or Clyde Payn (cfp@catalystgrp.com) at 215-628-4447.

These topics will also be addressed at CatCon2005 scheduled for October 25 - 26, 2005 – Wyndham Franklin Plaza, Philadelphia, PA .

The Catalyst Group Resources (TCGR), a member of The Catalyst Group, is dedicated to monitoring and analyzing technical and commercial developments in catalysis as they apply to the global refining, petrochemical, fine/specialty chemical, pharmaceutical, polymer/elastomer and environmental industries. The Catalyst Group Resources' assessment is based on information obtained from the public domain as well as internal sources and industry interviews. TCGR's analysis will report factual information, as well as hypotheses/interpretations based on this information, in order to derive a reasonable set of expectations. Factors could cause actual results to differ from our forward-looking statements and The Catalyst Group Resources undertakes no obligation to publicly revise these forward-looking statements to reflect events or circumstances after the date hereof.