

# **The Catalyst Group Resources**

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## **PRESS RELEASE**

**For Immediate Release.... July 21, 2005**

### **Canada's Oil Sands Represent An Immediate Energy Opportunity.... Far Beyond the Current Vision!**

In 2004, Canada's oil sands production exceeded 1 MIL BPD. Syncrude's CEO, Charles Rulgrok\* forecasts that with current industry investment plans at about \$C65 BIL, production will reach 3 MIL BPD by 2015. Canada's National Energy Board (NEB) has estimated established reserves at 178 BIL bbl, placing Canadian reserves second only to Saudi Arabia's.

New technologies, such as Suncor's IGCC integrated production strategy and new catalytic downhole thermal recovery, as well as new slurry hydrocracking upgrading technologies from Ivanhoe/Ensyn and ENI, can also reduce the cost of recovery and upgrading, from \$22 – 28/ BOE, by 20 – 25% in the near term.

#### **A major opportunity exists for government/industry and international oil company (IOC) cooperation!**

By facilitating production contracts, international financing packages, etc. in the order of \$US 300 – 400 BIL, production could reach 10 MIL BPD by 2015. Who wants it?

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](mailto:jmd@catalystgrp.com)) or Clyde Payn ([cfp@catalystgrp.com](mailto:cfp@catalystgrp.com)) at 215-628-4447.

\*Sam Fletcher, "N. American unconventional oil a potential energy bridge", *Oil and Gas Journal*, 11 April 2005: 22.

**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.*