

The Catalyst Group Resources

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PRESS RELEASE

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Solar Energized in DOE Workshop....

Economic factors alone are not likely to drive renewable sources, such as solar energy via photovoltaics, into a central role in primary power generation, according to Nathan Lewis of the California Institute of Technology in the DOE workshop in Bethesda, MD last month. But the meeting, which called for a "Solar Manhattan Project" certainly energized the attendees.

The cost of generating solar power is between 10-15 cents/kWh with government subsidies and 25-30 cents/kWh without, says Mr. Nozik, NREL (1), as compared to about 1-2 cents per kWh using conventional electricity. Current mass produced solar chips (Sharp) convert 14-16% of the sun's energy into electricity. However, new lab technology can achieve 28% efficiency, according to Sharp Solar (2). New nanotube and nanoscale inorganic materials and polymers are expected to achieve some breakthroughs like Nanosys, Inc.'s new materials. The future is looking brighter for solar cells!

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.

(1) Jacoby, Mitch. "Expanding Solar Energy Globally", Chemical and Engineering News, 30 May, 2005: 36

(2) Carlton, Jim. "Cypress Cashes In with Solar Chips", Wall Street Journal, 19 May, 2005: B 4.

**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.