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Industry Leaders Announce Alliance to Commercialize Integrated-Carbon-to-Liquids (ICTL) Fuel Technologies

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Technology Alliance to Produce Commercial and Military Jet Fuels
SAN DIEGO--(Business Wire)--

Accelergy Corporation and A2BE Carbon Capture LLCtodayannounced the formation of the Carbon Cycle Technology Alliance at the 2009 Algae Biomass Summit. The Alliance will commercialize a platform for Integrated Carbon to Liquids (ICTL) fuel production technologies that incorporates recycling of process CO2 using algal biomass to produce additional fuel production feedstock.

The Alliance is addressing the simultaneous challenges of increasing the supply of secure fuels while reducing greenhouse gas emissions. The ICTL synthetic fuel manufacturing process uses CO2 and other non-petroleum, non-food sources of carbon to produce fuels that emit significantly fewer greenhouse gasses than current technology. ICTL incorporates proprietary Accelergy catalytic conversion technologies licensed from a major global energy company and A2BE Carbon Capture algae photobioreactor CO2 recycle technology. Other key partners are working with the Alliance in areas of development engineering, systems integration, and Six Sigma driven manufacturing capabilities.

ICTL produces a tunable range of low net-carbon fuels including premium gasoline, diesel, Jet-A, and military JP-5, JP-8, and JP-9 jet fuel. The Alliance anticipates bringing an integrated demonstration scale plant online within 24 months.

The Algae Biomass Summit is the official conference of the Algal Biomass Organization. The event is designed to highlight scientific advances and encourage knowledge sharing to accelerate the development of algae-based solutions to global energy, environmental, and economic issues.

"The goal of the Algae Biomass Summit and the ABO is to deliver on the promise of algae-based solutions to our energy challenges," said Mary Rosenthal, Executive Director of the ABO. "The innovation, efforts and participation of leading companies/leaders such as Raytheon, Accelergy, and A2BE Carbon Capture will be critical in helping the industry overcome challenges and making algae a commercially-viable source of renewable energy."

"In a period marked by volatile prices, decreasing fuel sources and uncertain markets, reliable, cost-effective and domestically sourced fuel is key to providing energy security and powering America`s future," said Tim Vail, CEO of Accelergy. "Our proven catalytic conversion technology, coupled with A2BE`s industry expertise, will deliver an innovative renewable fuel solution that is not only economically viable, but will also further the development of algal biofuel technology."

"The Alliance`s development of ICTL to include recycling CO2 into low carbon fuel production is novel and will significantly advance the role of algal biomass in future fuel production," said A2BE Carbon Capture CEO Mark Allen.

About Accelergy

Accelergy is a global leader in producing ultra-clean fuels from the earth`s abundant resources. Our proprietary micro-catalytic technology significantly increases the efficiency of the integrated carbon-to-liquid process, while dramatically reducing the greenhouse emissions traditionally associated with this process. Based in Houston, Texas, Accelergy has established an international presence in partnerships with some of the world's leading energy companies. Visit www.accelergy.com or contact Wei-En Tan at accelergy@antennagroup.com for more information.

About A2BE Carbon Capture

A2BE Carbon Capture LLC is developing technologies that have meaningful prospects for rebalancing the carbon content of the atmosphere. The Company is a leader in closed photobioreactor (PBR) algae cultivation and harvesting technologies that monetize CO2 emissions into food, fuel, and profits. The Company's PBRs can be scaled into large algae farms that recycle industrial CO2 emissions into algal biomass - for ultimate processing into valuable commodities, including biofuel, animal feed protein and fertilizer. Visit www.algaeatwork.com or contact Jeff Mettais jeffmettais@algaeatwork.com for more information.

About the ABO

The Algal Biomass Organization (ABO) is a non-profit organization whose mission is to promote and advocate for the development of commercially-viable transportation and power generation fuels as well as other non-energy applications for algae biomass. Its membership is comprised of people, companies and organizations across the value chain. More information about ABO, including its leadership, membership, costs, benefits and members and their affiliations, is available at the website: www.algalbiomass.org

Accelergy Corporation
Wei-En Tan, 281-944-3680
accelergy@antennagroup.com
www.accelergy.com
or
A2BE Carbon Capture LLC
Jeff Mettais, 309-906-5038
jeffmettais@algaeatwork.com
www.algaeatwork.com

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