



Cleantech in 2009

Upside Driver of Global Economic Growth for a Downside Market

Over February 23-25, 2009, more than 800 of the world's leaders of the clean technology sector - representing over \$3 trillion in capital - together with entrepreneurs, scientists and policy-makers, will convene in San Francisco for **Cleantech Forum XXI**.

Cleantech Forum XXI is the flagship global Forum for investors, corporations and entrepreneurs and represents a highly efficient opportunity to directly engage with the leaders of the clean technology markets across North America, Europe, Middle East and Asia leading the upside investment, job creation and resource efficiency opportunities of the 21st Century.

The highest caliber decision-makers convene with the purpose to open new markets, remove bottlenecks, improve market efficiencies and generate superior returns at the intersection of business and the environment.

In a highly interactive format and with the goal to develop clear roadmaps towards accelerating market adoption of clean technologies, the Cleantech Forum XXI program has expanded to include intimate sessions with leading CEOs at the forefront of key sectors, insights from leaders in North America, Europe, India and China, and results-driven panel sessions on the most promising opportunities in Water, Green Buildings, Thin Film Solar, Smart Grid and Synthetic Biology.

Join us in shaping this sector at the world's premier clean technology investment platform, providing unparalleled definition, analysis, networking, deal flow and thought-leadership for the cleantech investment category. Join with your peers in what promises to be the most significant economic opportunity of the 21st Century: the 'Clean Industrial Revolution'.

www.cleantech.com

Monday February 23, 2009

| | |
|-----------------|---|
| 1:00pm – 2:00pm | Cleantech Network – Global Advisory Boards – By Invitation Only |
| 2:00pm – 5:00pm | Cleantech Innovation Council (CLIC) – Inaugural Summit – By Invitation Only Inaugural global meeting of the Cleantech Innovation Council (CLIC) |
| 5:00pm – 7:00pm | Registration <i>Sponsored by: Autodesk</i> |
| 5:30pm - 7:30pm | Welcome Reception - Cleantech Forum XXI |

Tuesday February 24, 2009

Conference Chair: John Balbach, Managing Partner, Cleantech Group

| | |
|-----------------|--|
| 7:00am – 7:00pm | Registration <i>Sponsored by: Autodesk</i> |
| 7:00am – 8:00am | Continental Breakfast <i>Sponsored by: UK Trade & Investment (UKTI)</i> |
| 7:00am – 5:30pm | Cleantech Innovation Showcase™ Throughout the day, engage with emerging and market leading companies which hold significant promise in the clean industrial revolution, including innovation across areas such as energy, transportation, building & advanced materials, water, recycling & waste. |
| 8:00am – 8:15am | Welcome & Opening <i>Speaker:</i> Edmund G. Brown Jr., Attorney General, State of California Department of Justice |
| 8:15am – 8:40am | The Cleantech Forecast: Data, Patterns, Trends & Predictions The Cleantech Group unveils impactful, market moving data, analysis and predictions. What's hot, what's not, what's next. <i>Speaker:</i> Nicholas Parker, Co-founder & Executive Chairman, Cleantech Group |

| | | | |
|-------------------|---|---|---|
| 8:40am – 9:30am | <p>In Conversation: Top Financiers Review the 2009-2010 Investment Landscape</p> <p>Following seven years of double digit growth in financing clean technology companies, top cleantech financiers from venture, growth, project and private equity discuss the outlook for clean technologies during and after the global market crisis.</p> <p><i>Speakers:</i> Michael L. Goguen, General Partner, Sequoia Capital; Whitney Rockley, Principal, Nomura; H. Jeffrey Leonard, CEO & Co-founder, Global Environment Fund; Chuck McDermott, General Partner, Rockport Capital Partners; Partho Sanyal, Director, Bank of America</p> <p><i>Moderator:</i> Nicholas Parker, Co-founder & Executive Chairman, Cleantech Group</p> <p><i>Sponsored by:</i> Bank of America</p> | Sector Leaders Showcase Track C | Sector Leaders Showcase Track D |
| 9:30am - 10:00am | <p>Deal Flow / Screened Investment Opportunities – Session 1</p> <p>Competitively selected and institutional grade CEOs from across the full spectrum of the cleantech category present and pitch. Over the last 7 years, CEOs presenting at Cleantech Forums have secured over \$1.5 billion in financing.</p> | Bill Haywood, CEO LS9 (Biofuels) | Matt Golden, CEO Sustainable Spaces (Green Buildings) |
| 10:00am – 10:30am | | <p><i>Introductory Remarks:</i> NYSE Euronext</p> <p><i>Moderator:</i> Brian Fan, Senior Director Research, Cleantech Group</p> | Henri Winand, CEO Intelligent Energy (Fuel Cells) |
| 10:30am – 11:15am | Networking Break | | |
| 10:45am – 11:00am | <p>Demonstration of Cleantech Member Benefits</p> <p>Join the Cleantech Group for a demonstration of our membership services. If information, data, and research are key to your Cleantech needs, the demonstration will show you how to access this information.</p> | | |

| | | | | |
|-------------------|---|---|--|--|
| 11:15am - 11:45am | <p>Track A</p> <p>Futurecasting: Breakthroughs in Science</p> <p>A far ranging review of scientific breakthroughs on the horizon which may provide disruptive market opportunities while addressing resource constraints, climate change, water scarcity and mitigation and adaptation opportunities.</p> | <p>Track B</p> <p>Synthetic Biology - Savior of the Biofuels Sector?</p> <p>Falling oil prices, the food vs fuel debate, and low energy return have created a perfect storm for biofuels companies as several large first-generation ethanol producers have declared bankruptcy. Investors are now pouring capital into synthetic biology and algae startups which promise significantly higher yields and margins, and don't directly compete with agriculture. Will synthetic biology be the savior of the biofuels sector?</p> | <p>Dan Squiller, CEO PowerGenix (Advanced Batteries)</p> | <p>E. James Macias, CEO Fulcrum Bioenergy (Biofuels)</p> |
| 11:45am – 12:15pm | <p><i>Speakers:</i></p> <p>Dr. Tony Haymet, Director, Scripps Institution of Oceanography;</p> <p>Arno Penzias PhD., Nobel Laureate, Venture Partner; New Enterprise Associates;</p> <p>Stan Ovshinsky, Chairman & CEO, Ovshinsky Innovation LLC</p> <p>Peter Diamandis M.D., Chairman & CEO, X Prize Foundation</p> <p><i>Moderator:</i></p> <p>Vijay Vaitheeswaran, Technology Correspondent, The Economist</p> | <p><i>Speakers:</i></p> <p>Jonathan Wolfson, CEO, Solazyme;</p> <p>Bill Haywood, CEO, LS9;</p> <p>Neil Renninger, CTO, Amyris Biotechnologies</p> <p><i>Moderator:</i></p> <p>Josh Green, General Partner, Mohr Davidow Ventures</p> | <p>Rob Lamkin, CEO Cool Earth Solar (Solar PV)</p> | <p>Jeremy Jaech, CEO Verdiem (Software)</p> |
| 12:30pm – 1:15pm | <p>Networking Lunch</p> <p><i>Sponsored by:</i> Battelle Memorial Fund</p> | | | |
| 1:15pm – 2:15pm | <p>Global Policies Driving New Cleantech Markets</p> <p>Increasingly, policy-makers world-wide view cleantech as an economic engine likely to drive significant job creation while addressing climate change and resource constraints. Leaders at the fore of market-making policy regimes unveil original research and debate likely scenarios.</p> <p><i>Speakers:</i></p> <p>Michael Peevey, President, California Public Utility Commission;</p> <p>Hal Harvey, Founder, Climate Works Foundation;</p> <p>Hezi Kugler, Director General, Ministry of National Infrastructures, Israel</p> <p>The Honourable John Wilkinson, Minister of Research and Information, Government of Ontario, MPP for Perth-Wellington</p> <p><i>Introductory Remarks:</i></p> <p>Scott Smith, U.S. National Cleantech Leader, Deloitte</p> <p><i>Moderator:</i></p> <p>John Balbach, Managing Partner, Cleantech Group</p> | | | |

| | | | | |
|-----------------|---|--|---|--|
| 2:15pm – 3:00pm | <p>Deal Flow / Screened Investment Opportunities – Session 2</p> <p>Competitively selected and institutional grade CEOs from across the full spectrum of the cleantech category present and pitch. Over the last 7 years, CEOs presenting at Cleantech Forums have secured over \$1.5 billion in financing.</p> <p><i>Moderator:</i> William F. Wescott, Ph.D., Managing Director, Advisory Services, Cleantech Group LLC</p> | | | |
| 3:00pm – 3:30pm | <p>Networking Break</p> | | | |
| 3:15pm – 3:30pm | <p>Demonstration of Cleantech Member Benefits</p> <p>Join the Cleantech Group for a demonstration of our membership services. If information, data, and research are key to your Cleantech needs, the demonstration will show you how to access this information.</p> | | | |
| | | | <p>Sector Leaders Showcase Track C</p> | <p>Sector Leaders Showcase Track D</p> |
| 3:30pm – 4:00pm | <p>Track A</p> <p>Debunking “Dirty Technology” Myths - From Campaign Rhetoric to Action</p> <p>Is coal, nuclear, or hydrocarbon energy clean? No topic of energy conversation is more controversial. President Obama has stated that the US is unlikely to be able to meet its climate goals if nuclear power is eliminated as an option, and his Clean Energy Incentives Plan supports incentives and policies for clean energy. This panel will dispel the myths, discuss the mystery, and debate the controversy revolving around “clean” energy technologies.</p> <p><i>Speakers:</i> Lionel Kambeitz, CEO, HTC Pureenergy; Daniel Goldman, EVP & CFO, GreatPoint Energy; John Deal, CEO, Hyperion Power Generation; Lady Barbara Thomas Judge, Chairman, UK Atomic Energy Authority</p> <p><i>Moderator:</i> Dirk McDermott, Founder & Managing Partner, Altira Group</p> <p><i>Sponsored by:</i> Altira Group LLC</p> | <p>Track B</p> <p>Green Buildings: Retrofitting the Built Environment for Energy Efficiency and Economic Stimulus</p> <p>The centerpiece of an ambitious economic stimulus plan by the Obama administration, can green building retrofits achieve the goals of improving the nation’s energy efficiency, stimulating the national economy, and create long-term green jobs? What is the role of HVAC, new materials and lighting in building retrofit markets?</p> <p><i>Speakers:</i> Kevin Surace, President & CEO, Serious Materials; Matt Golden, CEO, Sustainable Spaces; Dan Geiger, Executive Director- Northern California Chapter, US Green Building Council; David Elien, President & CEO, GE Luminance LLC</p> <p><i>Moderator:</i> Dennis Costello, Managing Director, Braemar Energy Ventures</p> <p><i>Sponsored by:</i> Braemar Energy Ventures</p> | <p>Dr. Arnold Leitner, CEO SkyFuel (Concentrated Solar Thermal)</p> | <p>Margaret Bruce, Western Regional Director, North America The Climate Group</p> |
| 4:00pm – 4:30pm | | | <p>Jonathan Wolfson, CEO Solazyme (Synthetic Biology/Algae)</p> | <p>William Wescott Ph.D., Managing Director, Advisory Services Cleantech Group</p> |

| | | | | |
|-----------------|--|---|---|---|
| 4:30pm – 5:00pm | <p>Track A</p> <p>Cleantech in Scandinavia: Global Hotbed of Innovation and Political Leadership</p> <p>Since the 1970s oil crisis, Scandinavia has been pursuing clean technologies. Energy efficiency and sustainability have been watchwords of the culture for decades resulting in a hotbed of experience, technological know-how and innovation. For example, Denmark, host of the COP-15 global climate summit in December 2009, has managed to grow economically since the 1973 oil crisis, without increasing its gross energy consumption per capita. A sustained clean energy policy, a decentralized energy industry, advanced research and know-how, a spirit of innovation, and availability of finance have all played their part.</p> <p>A panel mixing and representing all these elements will tell the tale, and help us in the US and beyond, see what we can learn, and how we can benefit, from this part of the world.</p> <p><i>Speakers:</i> Charles Nielsen, Director R&D, DONG Energy; Finn Mortensen, Executive Director, Climate Consortium Denmark; Christian Motzfeldt, CEO, Vaekstfonden; Sylvia Burks, Partner, Pillsbury Winthrop Shaw Pittman LLP</p> <p><i>Moderator:</i> Richard Youngman, Managing Director, Europe, Cleantech Group</p> | <p>Track B</p> <p>The Asia Pacific: In Need of Technology Transfer or the future of Cleantech Research, Innovation and Investment?</p> <p>Economies in the Asia Pacific will play a leading role in the world economy over the next century. To date, much of the focus on the region has focused on the emergence of India and China as lead economies and the associated increase in energy demand and GHG emissions. However, the region represents a diverse range of both emerging and developed economies with key inter-linkages around energy dependence and climate change challenges. Governments in the region have started to take strong action to mitigate and adapt to the effects of climate change and to face emerging energy challenges. As governments in the region focus on market based solutions, increased incentives for clean technology and invest in research and development, will discourse evolve from discussions of inward technology transfer to that of clean technology's future driving force?</p> <p><i>Speakers:</i> Ko Kheng Hwa, CEO Sustainability Development & Living Business Division, Keppel Corporation; Patrick Tam, General Partner, China Environment Fund; Dr. Avinash Patkar, Chief Sustainability Officer, TATA Power; Warren Hogarth, Partner, Sequoia Capital</p> <p><i>Moderator:</i> Helen Priest, Principal, VantagePoint Venture Partners</p> <p><i>Sponsored by:</i> New Zealand Trade and Enterprise & The Australian Trade Commission</p> | <p>Edward Fenster, CEO & Co-founder SunRun (Solar Service Provider)</p> | <p>Bryan Hannegan, VP of Generation EPRI (Research Institute)</p> |
| 5:00pm – 5:30pm | | | <p>John Deal, CEO, Hyperion PowerGeneration (Nuclear)</p> | <p>Dr. Lionel Kambeitz, CEO HTC Purenergy (Clean Coal/CCS)</p> |
| 5:30pm – 7:30pm | <p>Cleantech Forum XXI Reception</p> | | | |
| 7:30pm | <p>Limited Partnership Dinner – By Invitation Only</p> | | | |

Wednesday – February 25, 2009

| | |
|------------------|---|
| 8:00am – 2:00pm | Registration <i>Sponsored by: Autodesk</i> |
| 8:00am - 3:00pm | Cleantech Innovation Showcase™ Throughout the day, engage with emerging and market leading companies actively looking for financing, which hold significant promise in the clean industrial revolution, including innovation across areas such as energy, transportation, building & advanced materials, water, recycling & waste. |
| 8:00am – 9:00am | Breakfast Working Sessions: informal roundtables on topics of interest, including technology, policy, region-specific issues <i>Sponsored by: Ontario Government</i> |
| 8:00am – 9:00am | Women in Cleantech Breakfast |
| 8:00am – 9:00am | The Role of Cleantech in Economic Development A facilitated discussion amongst economic development leaders about current needs and how clean technologies can contribute to sustainable economic growth <i>Moderator:</i> William F. Wescott, Ph.D., Managing Director, Advisory Services, Cleantech Group LLC. |
| 9:00am – 10:00am | CEO Roundtable – By Invitation Only Leading clean technology CEOs gather for a confidential roundtable discussion on key issues, including potential partnerships, financing strategies, operations, international expansion, and policy. By invitation only. <i>Moderator:</i> Brian Fan, Senior Director of Research, Cleantech Group |
| 9:00am – 9:15am | Market Opportunity: Green Chemistry Policy Spotlight California's Department of Toxic Substances will describe the California Green Chemistry Initiative (GCI), and highlight how the ground-breaking policy to eliminate toxic substances at the front-end of the supply chain is creating substantial market opportunities for Cleantech companies and investors. <i>Speakers:</i> Maureen Gorsen, Director, California Department of Toxic Substance Control |
| 9:20am – 10:00am | Keynote: Steve Fludder, Vice President, GE Ecomagination |

| | | Sector Leaders Showcase Track C | Sector Leaders Showcase Track D |
|-------------------|--|--|--|
| 10:00am – 10:30am | <p>Deal Flow / Screened Investment Opportunities – Session 3</p> <p>Competitively selected and institutional grade CEOs from across the full spectrum of the cleantech category present and pitch. Over the last 7 years, CEOs presenting at Cleantech Forums have secured over \$1.5 billion in financing.</p> | <p>Dr. Charles Gay, President, Applied Solar Applied Materials (Thin Film Solar Manufacturing Equipment)</p> | <p>Lyndon Rive, CEO Solar City (Solar Financing, installation & support)</p> |
| 10:30am – 11:00am | <p><i>Moderator:</i> Richard Youngman, Managing Director, Europe, Cleantech Group</p> | <p>John Woolard, CEO BrightSource Energy (Concentrated Solar Thermal)</p> | <p>Christopher Gann, CEO Genomatica (Sustainable Chemicals)</p> |

| | | | | |
|-------------------|--|--|--|--|
| 11:15am - 11:45am | <p>Track A</p> <p>Thin-Film Solar: The Coming Amorphous Silicon Wave</p> <p>In the past 5 years, investors have sunk billions of capital into vertically-integrated thin-film companies. A new kind of thin-film startup is now emerging – amorphous silicon PV manufacturers using “turnkey” equipment lines from Applied Materials, Oerlikon Solar and ULVAC. Is this emerging business model – where third-party equipment suppliers invest R&D in manufacturing lines, while the solar companies focus R&D on product development – more likely to succeed than vertically-integrated vendors? Do these startups present attractive investment opportunities for investors? Leading a-Si startups and equipment manufacturers discuss the benefits and challenges of this model.</p> | <p>Track B</p> <p>New Alchemy-Turning Water to Gold</p> <p>Global warming has revealed the “iron triangle” of water/energy/food and focused attention on two painful facts: 1) by 2025, severe freshwater shortages will spread across much of the First World as well as most developing countries; and 2) governments and businesses are woefully unprepared to respond to these impending shortages, and the consequences for people and economies.</p> | <p>Eric Dresselhuys, Vice President & Co Founder Silver Spring Networks (Smart Grid)</p> | <p>Elias Hinckley, Senior Manager Deloitte</p> |
| 11:45am – 12:15pm | <p><i>Speakers:</i></p> <p>Dr. Charles Gay, President Applied Solar, Applied Materials; Rajeeva Lahri, CEO, Signet Solar; Chris O’Brien, Head of Market Development, North America, Oerlikon Solar Lyndon Rive, CEO, Solar City</p> <p><i>Moderator:</i></p> <p>Mark Jensen, Managing Partner, National Venture Capital Service Group AERS Technology, Media & Telecommunications Industry Leader, Deloitte</p> | <p>Investment in water is critical. Implementing technologies for water recycling and desalination and reduction in water use and losses across the energy, agriculture, industrial and residential sectors requires considerable capital. But these technologies do not fit ideally into the traditional venture capital paradigm, and customary infrastructure finance models, public and private, are not attuned to new, breakthrough technologies.</p> <p>In this challenging setting, what are the new “business technologies” that can bring the critical water technologies into practice, quickly and affordably?</p> <p><i>Speakers:</i></p> <p>Peter Williams, CTO, IBM Big Green; Peter Frykman, Founder & CEO, Driptech Inc. Andrew Williamson, Ph.D., Director, PHYSIC Ventures, LLC.</p> <p><i>Moderator:</i></p> <p>Zane Gresham, Partner, Morrison Foerster LLP</p> <p><i>Sponsored by:</i> Morrison Foerster LLP</p> | <p>Bill Vogel, CEO Trilliant (Smart Grid)</p> | <p>Kevin Surace, CEO Serious Materials (Green Buildings)</p> |

| | | | | |
|-------------------|--|---|--|-------------|
| 12:15pm – 12:45pm | <p>Track A</p> <p>Public Markets: Insight and Market Trends</p> <p>Publicly traded clean technology stocks whipsawed in 2008, and the IPO market lies dormant. What does it take for a clean technology company to IPO in these market conditions, and what lies in store for the future of the clean technology equity sector? Leading public market analysts and representatives weigh in.</p> <p><i>Speakers:</i> Steve Milunovich, Research Analyst, Merrill Lynch; Nick Allen, Research Analyst, Morgan Stanley; Doug Chu, Senior Vice President, Head of Silicon Valley Office, NYSE Euronext</p> <p><i>Moderator:</i> Russ Landon, Managing Director, Canaccord Adams</p> <p><i>Sponsored by: Canaccord Adams</i></p> | <p>Track B</p> <p>Smart Grid and Transmission: Overcoming Roadblocks</p> <p>Dramatic expansion of renewable energy generation requires overhauling transmission and upgrading towards the Smart Grid. Leading investors and companies at the forefront explore opportunities and look to overcome roadblocks.</p> <p><i>Speakers:</i> Bill Vogel, CEO, Trilliant; Eric Dresselhuys, Vice President & Co-founder, Silver Sping Networks; Scott MacDonald, Partner, Emerald Technology Ventures Mossadiq Umedaly, Serial clean energy entrepreneur and Chariman, BC Hydro</p> <p><i>Moderator:</i> Tom Cain, Managing Partner, SAIL Ventures Partners</p> | <p>Steven Chan, President, Global Sales/Marketing and Chief Strategy Officer Suntech (Solar PV)</p> | Company TBA |
| 12:45pm – 1:15pm | | | <p>Chris O'Brien, Head of Market Development, North America Oerlikon Solar (Thin Film Solar Manufacturing Equipment)</p> | Company TBA |
| 1:30pm – 3:00pm | Networking Luncheon | | | |
| 2:00pm - 2:15pm | Cleantech Awards Presentation | | | |
| 2:15pm - 3:00pm | Keynote: Sean Maloney, Executive Vice President, Chief Sales & Marketing Officer, Intel Corporation | | | |
| 3:30pm – 4:30pm | <p>Cleantech Member's Only Briefing: Opportunities from Global Stimulus Packages</p> <p>Presenting: Cleantech Group, WSGR, Deloitte</p> | | | |
| 4:30pm | Conference Conclusion | | | |

*Invited
Note: Agenda is subject to change