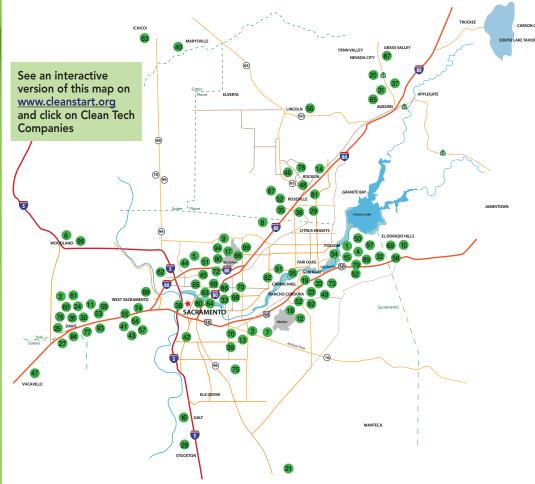
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Sacramento's Clean Tech Companies 2013



- Advanced Energy Products
- Airco Mechanical
- **Altergy Systems**
- American River Packaging
- Arcadia Biosciences Atlantis Energy Systems, Inc.
- Battery M.D., Inc.
- **Beutler Corporation**
- 10 Bloo Solar
- 11 Blue Oak Energy
- 12 C2esoft
- 13 California Sunlight
- 14 Capital City Solar
- 15 Carbon Sequestration, LLC
- 16 Cardinal Glass 17 Cha Corporation
- 18 Clean Energy Systems, Inc
- 19 Clean World
- 20 Clipper Creek
- 21 CNFBiofuel
- 22 Cybo Energy
- 23 D3 LED
- 24 DAE Technologies
- 25 Davis Energy Group
- 26 Draker
- 27 Efficient Drivetrains
- 28 Electric Vehicles International
- 29 Energy Exemplar 30 Ennetix
- 31 Envirocycle USA
- 32 eZESystems
- 33 Frontier Wind
- 34 Glide Cruisers

- 8minutenergy Renewables LLC 35 Granite Bay Energy Group, Inc.

 - 38 Greenleaf Power LLC

 - 41 GridSense Inc.

 - 44 Ice Energy

 - 48 JLM Energy, Inc.
 - 49 JMJ Natural Lighting
 - 50 Jadoo Power
 - 51 Jerico Energy

 - 63 Organic Energy Corporation

 - 65 Pacific Power Management, LLC 97 Worley Parsons
 - 66 GreyRock Energy
 - 67 Paramount Energy Solutions

68 Peak Demand Automation

70 PureAire Technologies

74 RIOS Solar Energy, Inc.

(Alternate Energy Div.)

83 Springboard Biodiesel LLC

86 SunTechnics Energy Systems

88 SVV Technology Innovations, Inc.

93 Talbott Solar & Radiant Homes

87 Sustainable Energy Group

79 Smart Grid Billing, Inc.

71 REC Solar

72 REO Mechanical

73 RCS Technology

75 Siemens Mobility

77 SiGNa Chemistry

80 Solar Depot, Inc.

81 Solar Power, Inc.

82 SolarRoofs, Inc.

84 SunOne Solutions

85 Sunoptics Skylights

89 SynapSense Corp.

90 Synterra Energy

91 System 3 Inc.

92 T3

76 Sierra Energy

78 SMA America

- 36 Green Energy Management 69 Premier Power Renewable Energy, Inc.
- 37 Green Planet Solutions
- 39 Greenlight Solid State
- 40 GreenTraks
- 42 Henwood Associates, Inc.
- 43 Hydrovolt Energy Systems
- 45 Innertech
- 46 Inspired Solar Technologies
- 47 Integrated Comfort

- 52 Johnson Controls Inc.
- 53 Marrone Bio Innovations
- 54 Meca Solar
- 55 Micromidas
- 56 Mobius Technologies, Inc
- 57 Mounting Systems-US 58 NLine Energy
- 59 Novozymes, Inc.
- 60 Octus Energy
- 51 Onsite Power Systems, Inc.
- 94 Technikon, Inc. 62 Opticlanes
- 95 TNT Lighting and Solar 64 Pacific Ethanol, Inc. 96 Woodland Biomass
 - 98 Youil Solar
- (was Pacific Renewable Fuels, Inc.) 99 ZETA Communities

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Sarta CleanStart **PROGRESS REPORT 2013**

Making a Global Impact



NEW RECORDS SET IN REGION'S CLEAN TECH

For the first time, revenues in the core clean tech sector passed \$2.1 billion last year and employment passed 3,200 according to a recent SARTA survey. A year ago, the sector stood at \$1.5 billion in revenues and had added 2,200 jobs. This growth was all the more remarkable given the weakness in the overall regional economy. The region has been under performing on measures of its economy compared to 13 competing regions followed by the Center for Strategic Economic Research, but in clean tech the region has been doing much better. According to the research firm Clean Edge, this region is at the top of clean tech metro areas in the country. The study says we are "one of only two metro areas to rank in the top ten in all four Metro

Index categories (along with San Francisco)....The region ranks first among major metro areas in clean economy job concentration, has emerged as an early hub for EVs, and maintains an exceedingly efficient building stock, particularly those qualifying for Energy Star certification." The region ranked ahead of Los Angeles, San Diego, Boston and

Austin, and behind only San Jose, San Francisco and Portland. In 2005, the region was not even included in the top 50!



REGIONAL COMPANIES MAKING WORLDWIDE IMPACT

A new achievement for the region is that several clean major enhancement in access to capital provided through tech start-ups have broken through in making national and a partnership with Clean Power Finance and the addition even international sales. Employment for these companies of 90 more employees. RCS Technology has sold over has increased along with revenues. Until now the region 500,000 of its smart thermostat controls worldwide. did not have the kind of home-grown anchors in the clean These rising stars are joining the cleantech stalwarts tech sector that would establish this area as a real hub. in the region: Siemens Mobility, Solar Power Inc., and The companies with the biggest impacts are Synapsense, inverter manufacturer SMA America. This move from Paramount Solar, and RCS Technologies. Synapsense is companies that have sold predominantly within the region making a splash with its Active Controls for reducing of California, to a group of companies operating far from energy use in data centers. Paramount Solar is these borders is an important milestone in creating a expanding its marketing of rooftop solar panels with a clean tech hub.

"It's been fascinating to see, every single year, the progress that we've made in this region..." Congresswoman Doris Matsui

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2012 CLEANSTART SHOWCASE PUTS SPOTLIGHT ON REGIONAL CLEAN TECH INDUSTRY

On October 22nd SARTA's sixth annual CleanStart Showcase hosted 100 exhibitors and 500 attendees, taking stock of how the industry is growing and where new opportunities are emerging.

Keynote speaker Steve Westly, a noted clean tech investor, provided a lively perspective on where the opportunity in clean tech investing is now – specifically, LED lighting, energy efficiency software and electric vehicles. In each, he made a compelling case that the economics are looking good and some important breakthroughs are about to happen.

The Showcase also highlighted three of the successful clean tech companies in the region. Clean World is manufacturing its waste digester modular systems with several installed locally and a big pipeline of projects they are pursuing nationwide. SunOptics provided an update on its diffuser based skylight system that has become extremely popular - so much so that they have sent four container loads to China, something the Showcase crowd really liked to hear. RCS Technology has shipped over 500,000 of its smart HVAC control units, putting them in products branded GE, IBM, Motorola, Trane and more. Anyone looking at a smart thermostat at Home Depot is likely to be looking at something with RCS inside. Recognizing this leadership position, the 2012 CleanStart Innovator of the Year distinction was awarded to Michael Kuhlmann, founder of RCS Technology.

In addition to current successes, the Showcase also introduced seven new startups (aka "Fresh Faces") in the region; of these, DAE Technologies was chosen by the audience as "Best Fresh Face," due to its new and dramatically lower-cost hybrid battery/ultracapacitor technology. Rounding out this year's crop of Fresh Faces were energy efficiency companies, a biofuel company, a green roofing company and clean tech app companies.

New opportunities were unveiled in funding for energy efficiency and renewable upgrades to buildings, the centerpiece of which was the Ygrene PACE program launched in 2012. The launch of the carbon trading program at CARB will also be giving clean tech a push. Coupled with four panel discussions, 12 roundtable chats, 18 electric vehicles on display (including the first Tesla Model S in Sacramento) and 80 other exhibits, it was a very full day - and a great window on the clean tech successes and opportunities in the region.



Steve Westly, Westly Group "wows" the crowd" during his Keynote



Christopher Wiggins shows off hi electric Glide Cruiser



Gary Simon, Chairman, CleanStart checks out DAE Technologies with CEO, Lihong Li



Left to right: Anita Clay, Lori Okamoto, Cari Maigret-Baptiste



Alternative vehicle display which included the new Tesla S, seen for the first time in Sacramento.





Left to right: Michele Wong, Člean World; Aichael Kuhlmann, RCS Technology; Grant Grable, SunOptics; Winnie Comstock-Carlson, Comstock's Magazine



Michael Kuhlmann accepts the Innovator of the Year award from Nancy Bui-Thompson of SMUD

"This year's CleanStart Showcase was fantastic! From the top level speakers, to the recognition of a local "Innovator of the Year," down to the person curious about the industry...there was something for everyone! Thank you SARTA!" Rosa Escutia-Braaton, PG&E

Photos courtesy of Riverview Media Photography

2012 POWER SURGE: "ROCKY" TO THE RETC!



PowerSurge attendees rode to the RETC in "Rocky the Rockstar Limo"

Touring the RETC led by Bill

PowerSurge attendees got to ride in the lap of luxury in "Rocky", the Rockstar Limo Lounge, to the Renewable Energy Testing Center at McClellan Park. There participants toured some of the coolest renewable energy firms in our region including Sierra Energy, CHA Corporation, International Environmental Solutions, Pacific Renewable Fuels, PEAT International and Paradigm Biosciences International. The event kicked off with test drives and learning about Zero Motorcycles, Glide Cruisers, Chevy Volt amongst others. The audience heard a stimulating talk by SMUD's Mike DeAngelis, got innovation updates from Dr. Raju Pandey, Innovator of the Year for 2011 and from Wil Agatstein of the UC Davis Child Family Institute for Innovation and Entrepreneurship.

CLEANSTART AT THE CLEAN TECH OPEN

CleanStart is collaborating as a regional "feeder" to the largest and richest clean tech business plan competition, the Clean Tech Open (CTO). Through this collaboration, CleanStart can help regional companies get a leg up as participants. The 2012 finals were held in San Jose, the culmination of the year long acceleration and competition. The day kicked off with "Investor Connect" bringing 60 investors and 70 start-up companies face-to-face to pitch for funding. "Investor Connect exceeded all our expectations....more than half were new companies to us and a perfect fit for our mandate" stated Keith Gillard, General Partner with Pangea Ventures. The 21 finalists presented throughout the two day event while the Expo Hall gave companies the opportunity to demonstrate their technologies to attendees. After intense judging HEVT, a developer of high performance, low cost electric motors, won the \$250,000 prize. Learn more about the CTO at any CleanStart event in 2013. Don't miss out!

STATEWIDE EXPOSURE FOR **REGIONAL CLEAN TECH COMPANIES**

CleanStart provided a booth for local companies to show off their products at The Green California Summit convention and trade show in Sacramento in April. Over 500 potential buyers of green and clean products attended the two-day show. We will be there again on Thursday April 18th - Friday April 19th, 2013. If you are an early stage company and can't yet afford your own exhibit space, contact us at info@cleanstart.org.

"SARTA's leadership in the community is a tremendous asset to emerging companies and the opportunity for economic growth in the region!" Paul Douglas, Siemens Industry, Inc.

THREE NEW EVENTS SET FOR 2013

Based on feedback from clean tech CEO's in our region, CleanStart has added some new features. Companies say their favorite parts of CleanStart programs are "networking" and "seeing products showcased". In addition, companies want events closer to them so they can participate. We have changed our offerings to include three PowerUp networking and showcase events spread throughout the region.

These events will be held February 21st, West Sacramento • April 25th, Folsom • June 26th, Nevada City Clean Tech companies will have opportunities to present their products and to make a short video for broad visibility on the web. Check in at CleanStart.org.

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