

## NCPV Hotline — Week of March 10-14, 2008

### Weekly News Items

Some of the following news items are available as Adobe Acrobat PDFs. [Download Adobe Reader](#).

The National Center for Photovoltaics (NCPV), the National Renewable Energy Laboratory's (NREL's) center for PV research maintains an international communications system called the NCPV Hotline. The Hotline increases knowledge and awareness of PV industry and research happenings. Hotline participants receive important news items via email related to PV activities around the world. The contents have been relatively uncensored, because we depend on the good judgment of the contributors to separate fact from rumor.

#### (Links may expire)

Current and archived NCPV Hotline issues <link to [http://www.nrel.gov/pv/news\\_hotline.html](http://www.nrel.gov/pv/news_hotline.html)>

Disclaimer <link to [http://www.nrel.gov/pv/hotline/news\\_hotline\\_disclaimer.html](http://www.nrel.gov/pv/hotline/news_hotline_disclaimer.html)>

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### 3-10-08 Trina Solar Agreement with GT Solar Incorporated

Trina Solar has signed an agreement with GT Solar Incorporated to purchase primary converter and reactor systems for its planned polysilicon production project for a total consideration of about \$49 million.

Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsASMA147.htm>

Trina Solar: <http://www.trinasolar.com/front/en/home.php>

GT Solar: <http://www.gtsolar.com/>

### 3-10-08 BP Solar Modules for Adelaide Airport, Australia

BP Solar will immediately commence work to manufacture and supply Australian-made solar panels to Adelaide Airport so that the state's largest commercial solar PV system can begin operating by the middle of this year. Stories at Solarbuzz: <http://www.solarbuzz.com/News/NewsASPR175.htm> and

<http://www.news.com.au/story/0,23599,23348638-1702,00.html>

[http://www.news.com.au/adelaidenow/story/0,22606,23347024-5006301,00.html?from=public\\_rss](http://www.news.com.au/adelaidenow/story/0,22606,23347024-5006301,00.html?from=public_rss) or

<http://tinyurl.com/28rsk2>

BP Solar: <http://www.bp.com/sectiongenericarticle.do?categoryId=9012286&contentId=7039383> or

<http://tinyurl.com/24kn42>

### 3-10-08 PanJit Solar Wafer Production

Having already acquired a controlling stake in China-based solar module maker Jiangsu Aide Solar Energy Technology, PanJit International is extending its presence into the solar sector by preparing for solar-grade silicon wafer production in China in the 3<sup>rd</sup> quarter of 2008. Story at DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD00000000000000000000000004936>

&query=SOLAR or <http://tinyurl.com/2z3tzh>

PanJit: <http://www.panjit.com.tw/>

### 3-10-08 PV Backsheet Component

BioSolar™, Inc. reported the successful development of its first generation commercial product, a backsheet component for PV cells. More at: <http://biz.yahoo.com/iw/080310/0372471.html>

BioSolar™: <http://www.biosolar.com/>

### 3-10-08 Nanowires for Solar's Future

See "Hair-like nanowires at root of solar's future" with coverage of solar cell R&D at McMaster University, at: <http://www.thestar.com/Business/article/326750>

### 3-10-08 ATERSA Results

Aplicaciones Técnicas de la Energía, S.L. (ATERSA) released year-end figures for 2007. Story at Solarbuzz: <http://www.solarbuzz.com/news/NewsEUCO520.htm>

ATERSA: <http://www.ateresa.com/>

### **3-10-08 Centrosolar – Lanxess Module Approach**

According to this press, Centrosolar Group and Lanxess have developed a production method for solar cells that only requires that wafers be placed between two self-adhesive 0.5mm thick films of “Levamelt”, a new EVA. The two companies have been testing 16 modules based on the new material and comparing them with 16 standard, conventional solar modules in a test facility that Lanxess installed on the roof of its headquarters in Leverkusen, Germany in July 2007. Story at:

<http://www.eurekamagazine.co.uk/article/13407/Self-adhesive-rubber-films-make-solar-cells-more-cost-effective.aspx> or <http://tinyurl.com/yqfehe>

CentroSolar Group AG: [http://www.centrosolar.de/index\\_e.php](http://www.centrosolar.de/index_e.php)

Lanxess: <http://www.lanxess.com/en/hubpage.html>

### **3-10-08 GiraSolar Turkey Exhibiting**

GiraSolar, Inc. announced that its subsidiary, GiraSolar Turkey Ltd. is exhibiting at the first Turkish national solar energy technologies fair and exhibition. More at RenewableEnergyWorld:

<http://www.renewableenergyworld.com/rea/partner/story?id=51797> and

<http://tinyurl.com/yun9j5>

GiraSolar: <http://www.girasolar.com/>

Solar Energy & Technologies Fair: <http://www.biztradeshows.com/trade-events/solar-energy-technologies.html>

### **3-10-08 PV Investment, India**

See “\$7.4 billion plus PV plant investments set for India, says Gartner” at PV Tech: [http://www.pv-tech.org/market\\_watch/article/74\\_billion\\_plus\\_pv\\_plant\\_investments\\_set\\_for\\_india\\_says\\_gartner](http://www.pv-tech.org/market_watch/article/74_billion_plus_pv_plant_investments_set_for_india_says_gartner) or <http://tinyurl.com/2t9cmd>

### **3-10-08 Early Stage Research Needed**

A lack of funding for early stage research is slowing the breakthroughs needed to combat climate change, according to KPCB Partner John Doerr. See Greentech Media at:

<http://www.greentechmedia.com/articles/doerr-greentech-needs-more-government-rd-676.html> or

<http://tinyurl.com/2qgh3n>

### **3-10-08 Solar Decathlon Home Now at Troy Community Center, Michigan**

The Lawrence Technological University’s 2007 Solar Decathlon team has reinstalled its solar home on the grounds of the Troy Community Center. Called the Aloeterra Solar Home, the structure will serve as a local center for meetings and programs related to energy and environmental education. Press at:

[http://www.aer-online.com/e107\\_plugins/content/content.php?content.1349](http://www.aer-online.com/e107_plugins/content/content.php?content.1349)

Solar Decathlon: <http://www.solardecathlon.org/>

### **3-10-08 More on NanoMarkets Printed PV Market Report**

According to a new NanoMarkets report, the printable PV market will reach \$2.5 billion in 2015. Story at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/partner/story?id=51800>

More on NanoMarkets, “Printed Photovoltaic Markets”:

[http://www.nanomarkets.net/products/prod\\_detail.cfm?prod=9&id=258](http://www.nanomarkets.net/products/prod_detail.cfm?prod=9&id=258) or <http://tinyurl.com/2bb8wn>

### **3-10-08 National Feed-in Tariff**

Many in the renewable energy industry are calling for the adoption of a national feed-in tariff (FIT), which they say will create a more simple, stable market. Story at RenewableEnergyWorld:

<http://www.renewableenergyworld.com/rea/news/story?id=51798>

### **3-10-08 Marketing Electricity from Distributed Generation [Karin Schneider]**

In a new project funded by the European Union, researchers at the Fraunhofer Institute for Solar Energy Systems ISE are investigating options for producing electricity from distributed and sustainable energy sources in a cost-effective and demand-driven way. See “Marketing of Electricity from Distributed Generation – European Project seeks for New Solutions” at: <http://tinyurl.com/2u7736>

Fraunhofer ISE: <http://www.ise.fraunhofer.de/>

### **3-10-08 Oerlikon's Innovative Capabilities**

According to this press, with the realignment of its R&D as well as through the formation of a high-ranking staffed Scientific Advisory Board, Oerlikon is strengthening its innovative capabilities. See "Oerlikon systemizes search for the next mega trend" at:

[http://www.oerlikon.com/ecomaXL/index.php?site=OERLIKON\\_EN\\_press\\_releases\\_detail&udtx\\_id=5718](http://www.oerlikon.com/ecomaXL/index.php?site=OERLIKON_EN_press_releases_detail&udtx_id=5718)  
or <http://tinyurl.com/3dcs8n>

### **3-10-08 Alice Springs Solar City**

Alice Springs has become the 5<sup>th</sup> official Australian Solar City. Press at:

<http://www.bigpond.com/news/national/content/20080310/2184634.asp> or <http://tinyurl.com/38f6g7>

Australia's Solar Cities: <http://www.environment.gov.au/settlements/solarcities/>

### **3-10-08 Antelope Valley RFP [The Green Power Network]**

Antelope Valley Water Storage, LLC is seeking eligible renewable energy resources to meet California's RPS requirements. Information on this RFP and other financial opportunities at The Green Power

Network: <http://www.eere.energy.gov/greenpower/financial/>

### **3-10-08 FY 2009 Appropriations Hearings**

The House Energy and Water Appropriations Subcommittee is scheduled to hear testimony from the DOE Assistant Secretary for Energy Efficiency and Renewable Energy and the DOE Undersecretary for Science this week.

### **3-11-08 Suntech Private Offering**

Suntech Power said the company intends to offer an aggregate of \$425 million convertible senior notes due 2013 in a private offering, subject to market and other conditions. More at Solarbuzz:

<http://www.solarbuzz.com/News/NewsASCO220.htm>

Suntech Power: <http://www.suntech-power.com/>

### **3-11-08 Chris O'Brien at Oerlikon Solar**

Oerlikon Solar is strengthening its activities in the North American solar market by appointing Chris O'Brien to the new position of Head of Market Development and Government Relations, North America.

Said Jeannine Sargent, CEO Oerlikon Solar, "With the addition of Chris O'Brien to our senior management team we take the next step to grow and secure our North American footprint". Press at

Oerlikon (10 March 2008): <http://www.oerlikon.com/>

[http://www.oerlikon.com/ecomaXL/index.php?site=OERLIKON\\_EN\\_press\\_releases\\_detail&udtx\\_id=5724](http://www.oerlikon.com/ecomaXL/index.php?site=OERLIKON_EN_press_releases_detail&udtx_id=5724)

or <http://tinyurl.com/2t6vsn>

### **3-11-08 More on Reliance Industries Solar Power Plants, India**

According to this press, Reliance Industries plans to spend about 1 billion rupees (\$25 million) building a

solar power plant. Story at: <http://uk.reuters.com/article/oilRpt/idUKBOM23512320080311>

Reliance Industries: <http://www.ril.com/index1.html>

### **3-11-08 Goldstone Infratech PV Investment, India**

According to this press, Goldstone Infratech is planning to set up a 5MW solar power plant with an investment of Rs 120 crore. It is also in the process of setting up a 40 MW PV module facility. More at:

<http://www.business->

[standard.com/common/storypage\\_c\\_online.php?leftnm=10&bKeyFlag=IN&autono=34531](http://www.business-standard.com/common/storypage_c_online.php?leftnm=10&bKeyFlag=IN&autono=34531) or

<http://tinyurl.com/2nh7cq> or <http://tinyurl.com/2nh7cq>

Goldstone: <http://www.goldstonebpo.com/>

### **3-11-08 MPX – Yingli Solar Plant, Brazil**

Brazilian power company MPX has signed an accord with Yingli Solar for the manufacture of solar panels. The two companies plan to open a solar plant in mid-2009 with installed capacity of 50 MW in the port of Açú. Story at: <http://www.macauhub.com.mo/en/news.php?ID=5004>

MPX: <http://www.mpx.com.br/>

Yingli Solar: <http://www.yinglisolar.com/enmain/user/index.asp>

### **3-11-08 centrotherm photovoltaics AG Expansion**

Centrotherm photovoltaics AG has expanded its operations to include sites in Italy and the U.S. Story at: [http://www.pv-tech.org/solar\\_cell/article/centrotherm\\_expands\\_operations\\_in\\_italy\\_and\\_us](http://www.pv-tech.org/solar_cell/article/centrotherm_expands_operations_in_italy_and_us) or <http://tinyurl.com/34osk8>  
centrotherm photovoltaics AG: <http://www.centrotherm-pv.de/20.index.html>

### **3-11-08 Dyesol Expansion**

For an update on Dyesol's expansion, see the Dyesol press at: <http://tinyurl.com/yvufph>  
Dyesol: <http://www.dyesol.com/index.php?page=Home>

### **3-11-08 WorldWater & Solar Technologies Contract, New Jersey**

WorldWater & Solar Technologies has been awarded a contract to build a \$4 million solar system for the City Council of Ocean City, New Jersey. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR1029.htm>  
WorldWater & Solar Technologies: <http://www.worldwater.com/>

### **3-11-08 Solar Wafer Spot Prices**

See the story "Solar wafer spot prices soaring" at DigiTimes: [http://www.digitimes.com/bits\\_chips/a20080310PD217.html](http://www.digitimes.com/bits_chips/a20080310PD217.html)

### **3-11-08 Clear Skies Letter of Intent to Acquire Assured**

Clear Skies Group announced it has signed a letter of intent to acquire Assured Power & Communications Corporation, a California-based solar technology innovator. Story at: [http://www.businesswire.com/portal/site/google/?ndmViewId=news\\_view&newsId=20080311005638&newslang=en](http://www.businesswire.com/portal/site/google/?ndmViewId=news_view&newsId=20080311005638&newslang=en) or <http://tinyurl.com/ypdx4c>  
Clear Skies Group: <http://www.clearskiesgroup.com/>  
Assured: <http://www.assurecom.com/>

### **3-11-08 More on AIST's Dye-sensitized Solar Cell, Lightwave Conversion Material**

Japan's National Institute of Advanced Industrial Science and Technology recently made a pair of announcements about its research into solar cell materials, achieving 11.0% energy conversion efficiency with a tandem type dye-sensitized solar cell, and also making a new lightwave conversion material using europium. Story at Solid State Technology WaferNews@: [http://sst.pennnet.com/display\\_article/322614/5/ARTCL/none/none/1/Japan's-AIST-touts-efficiency-with-dye-sensitized-solar-cell,-Eu-material/](http://sst.pennnet.com/display_article/322614/5/ARTCL/none/none/1/Japan's-AIST-touts-efficiency-with-dye-sensitized-solar-cell,-Eu-material/) or <http://tinyurl.com/2q6qfm>  
AIST: [http://www.aist.go.jp/index\\_en.html](http://www.aist.go.jp/index_en.html)

### **3-11-08 Colonia Real Estate Solar Project, Germany**

Colonia Real Estate has started the biggest solar project for residential properties in Germany. Story at: [http://www.ad-hoc-news.de/drucken.html?art\\_id=15856856](http://www.ad-hoc-news.de/drucken.html?art_id=15856856)  
Colonia Real Estate AG: [http://www.cre.ag/170/Press\\_News/Press\\_Review.htm](http://www.cre.ag/170/Press_News/Press_Review.htm)

### **3-11-08 UniRac Product Innovations**

UniRac Inc. announced a series of new product innovations being showcased at NESEA's Building Energy 08 Conference, 11-13 March at Boston's Seaport World Trade Center. Press at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/partner/story?id=51810>  
UniRac@: <http://www.unirac.com/>

### **3-11-08 DEK Screen Printer**

DEK has introduced the new PVP1200 screen printer capable of 1200 wafers-per-hour throughput and offering advanced automated features for high speed and repeatability. The first showing of the new printer will be at BTU's Solar Lab Grand Opening in Shanghai 18-19 March 2008. Story at: <http://www.emsnow.com/npps/story.cfm?pg=story&id=32207>  
DEK: <http://www.dek.com/comms.nsf/PR/6EE2AF52E96F028B8025740400530B2A!opendocument> or <http://tinyurl.com/3azhsb>

### **3-11-08 Renewables in Portugal**

See the story "Portugal's rush to renewables places it in front line of EU's energy makeover" at: <http://www.iht.com/articles/ap/2008/03/11/europe/EU-GEN-Portugal-Rush-to-Renewables.php> or <http://tinyurl.com/2rslub>

### **3-11-08 Funding for Renewables**

See the story "Solar energy advocates ask Congress for breaks" at Politico: <http://www.politico.com/news/stories/0308/8937.html>

### **3-11-08 Energy Revolution Perspective**

See the story "Energy revolution, Golden's renewable energy lab leads the way" featuring NREL at the Denver Post: [http://www.denverpost.com/perspective/ci\\_8481517](http://www.denverpost.com/perspective/ci_8481517) [http://www.denverpost.com/opinion/ci\\_8481520](http://www.denverpost.com/opinion/ci_8481520)

### **3-11-08 Next Gold Rush, Solar Perspective**

See the story "Under the Hood: The next gold rush: solar power" at EETimes: <http://www.eetimes.com/news/design/showArticle.jhtml?articleID=206902796> or <http://tinyurl.com/2fscyt>

### **3-11-08 Polysilicon, Environment**

See the story "A dark side of solar power" with reference to a Washington Post article at CNetNews: [http://www.news.com/8301-11128\\_3-9889848-54.html?tag=nefd.top](http://www.news.com/8301-11128_3-9889848-54.html?tag=nefd.top)

### **3-11-08 Solar Finance & Forecast Event**

The list of speakers for the Solar Finance & Forecast Event, 17 March 2008 in San Francisco, is posted at Greentech Media: <http://www.greentechmedia.com/events/live/san-francisco/solarfinanceforecast-speakers.html> or <http://tinyurl.com/yw66km>

### **3-11-08 Clean Technology Ventures**

For information on Clean Technology Ventures 2008, 1-5 June in Boston, Massachusetts, visit: <http://www.csievents.org/Cleantech2008/business/ventures.html>

### **3-11-08 Branding and Brand Messaging in the Energy and Environmental Space [Jamie Wimberley]**

The third EcoPinion survey report is being released this week by EcoAlign. The report is focused on branding and brand messaging in the energy and environmental space. In particular, the report examines the attitudes and preferences of 1,000 customers across the nation on such things as green brand awareness levels, brand associations with levels of commitment to renewable energy and energy efficiency, consumer criteria for environmental leadership, messaging and key words, and other areas. More information at ecoalign™: <http://www.ecoalign.com/>

### **In related solar news...**

#### **3-11-08 EnviroMission Strategy**

EnviroMission Ltd. says it is set to make a share exchange offer to individual SolarMission Technologies Inc shareholders and warrant holders in a move to gain majority ownership of the US-based Solar Tower development company. Story at Trading Markets: <http://www.tradingmarkets.com/.site/news/Stock%20News/1186617/> or <http://tinyurl.com/2grcvv>  
EnviroMission: <http://www.enviromission.com.au/>

#### **3-11-08 More on Ausra SolarPACES Presentation on Solar Thermal Potential**

See the story "Solar Company Says Its Tech Can Power 90 Percent of Grid and Cars", with coverage of an Ausra paper presented at the IEA SolarPACES conference, at WIRED: <http://blog.wired.com/wiredscience/2008/03/solar-company-s.html>  
Story at Cleantech@: <http://media.cleantech.com/2570/ausra-and-solar-thermal-electricity> or <http://tinyurl.com/2udama>  
Ausra: <http://www.ausra.com/>  
IEA SolarPACES: <http://solarpaces.org/>

### **3-12-08 ACCIONA Renewable Energy Projects, Spain**

ACCIONA Energía is developing projects in 4 renewable technologies in the region of Extremadura in southwest Spain that represent an investment of around 900 million euros and a total capacity of 359 MW. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUPR454.htm>  
ACCIONA: <http://www.accion.es/>

### **3-12-08 Q-Cells Supply Agreement with aleo solar**

Q-Cells and aleo solar AG signed a further agreement for the supply of solar cells. Q-Cells will supply solar cells to aleo solar for a total of 1.27 GWp over the period of the end of 2008 to 2019, with an option for the supply of a 1 GWp addition. Stories at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUCO521.htm> and Cleantech@: <http://media.cleantech.com/2580/aleo-to-buy-more-solar-cells-from-q-cells> or <http://tinyurl.com/3dyorj>  
Q-Cells: [http://www.q-cells.com/cmadmin\\_2\\_474\\_0.html](http://www.q-cells.com/cmadmin_2_474_0.html)  
aleo solar: <http://www.aleo-solar.de/>

### **3-12-08 Concentrix Concentrator PV in Spain [Silke Hajunga]**

Concentrix Solar GmbH installed 18 5.75 kW systems in Puertollano, Spain in February. According to the press, Concentrix is the first company of the companies participating in the ISFOC project having completed an entire power plant unit of 100 kW that is ready to be connected to the grid. Press (see News) at: <http://www.concentrix-solar.de/>  
ISFOC: <http://www.isfoc.es/>

### **3-12-08 Dyesol A\$5 Million for DSC on Steel**

Dyesol announced that Dyesol UK Limited, a wholly owned subsidiary of Dyesol Ltd, has accepted an offer from the Welsh Assembly Government under the SMARTCymru program to support the Dyesol-Corus joint development project for the application of Dye Solar Cell PV technology on steel sheeting as part of a continuous manufacturing project. Story at Dyesol: <http://www.dyesol.com/index.php?page=Home>  
Story at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/news/story?id=51817>  
SMARTCymru: <http://wales.gov.uk/topics/businessandconomy/finance/smartcymru/?lang=en> or <http://tinyurl.com/yowmv9>

### **3-12-08 QS Solar Production Lines**

Sha Xiaolin, chairman of Nantong Qiangsheng Photovoltaic Technology Co Ltd (QS Solar), said the firm will invest a total of \$70 million in its 4 production lines, which will have a combined annual capacity of 130 MW of solar cells. Press at: [http://www.chinadaily.com.cn/bizchina/2008-03/12/content\\_6529967.htm](http://www.chinadaily.com.cn/bizchina/2008-03/12/content_6529967.htm)

### **3-12-08 Spire Equipment Contract for Solar Panel Factory in Portugal**

Spire Corporation received a contract to provide equipment for a factory designed to manufacture solar panels in Portugal. Stories at: [http://www.boston.com/business/ticker/2008/03/spire\\_signs\\_sol.html](http://www.boston.com/business/ticker/2008/03/spire_signs_sol.html)  
<http://www.forbes.com/businesswire/feeds/businesswire/2008/03/12/businesswire20080312005631r1.htm>  
| or <http://tinyurl.com/yrwpl> [http://www.pv-tech.org/pv\\_modules/article/tool\\_order\\_spire\\_wins\\_follow\\_on\\_turnkey\\_pv\\_module\\_assembly\\_line\\_deal](http://www.pv-tech.org/pv_modules/article/tool_order_spire_wins_follow_on_turnkey_pv_module_assembly_line_deal)  
or <http://tinyurl.com/2ukgjx>  
Spire: <http://www.spirecorp.com/>

### **3-12-08 Oerlikon Production Line for Next Solar, Greece**

Next Solar announced the construction of its first thin-film solar module factory. Oerlikon Solar will deliver the turnkey production line within the current year. The solar panel fabrication line is scheduled to start production in early 2009 with an initial capacity of 30 MWp and an option for an upgrade to 60 MWp. Oerlikon press: [http://www.oerlikon.com/ecomaXL/index.php?site=OERLIKON\\_EN\\_press\\_releases\\_detail&udtx\\_id=5736](http://www.oerlikon.com/ecomaXL/index.php?site=OERLIKON_EN_press_releases_detail&udtx_id=5736)  
or <http://tinyurl.com/22mt3t>

### **3-12-08 More on GT Solar Agreement with Trina Solar**

GT Solar Incorporated has entered into a contract to supply Trina Solar with polysilicon reactors and converters worth \$49 million. Stories at: <http://au.biz.yahoo.com/080311/43/1ncsf.html>  
<http://www.bizjournals.com/masshightech/stories/2008/03/10/daily19.html> or <http://tinyurl.com/2pdeyx>  
GT Solar: <http://www.gtsolar.com/>  
Trina Solar: <http://www.trinasolar.com/>

### **3-12-08 Solargiga IPO**

Solargiga Energy Holdings has relaunched a scaled-down version of its Hong Kong IPO that was postponed in January. Story at Business Week:  
[http://www.businessweek.com/globalbiz/content/mar2008/gb20080312\\_026455.htm?chan=top+news\\_top+news+index\\_global+business](http://www.businessweek.com/globalbiz/content/mar2008/gb20080312_026455.htm?chan=top+news_top+news+index_global+business) or <http://tinyurl.com/2gjb0f>  
Solargiga: [http://www.solargiga.com/solar\\_en/](http://www.solargiga.com/solar_en/)

### **3-12-08 JA Solar Results, Revenue Outlook**

JA Solar Holdings Co. Ltd. reported 4th quarter and year-end results. Press at Solarbuzz:  
<http://www.solarbuzz.com/News/NewsASCO221.htm> and  
<http://www.forbes.com/markets/feeds/afx/2008/03/12/afx4761981.html> or <http://tinyurl.com/32kqaq>  
Revenue outlook: [http://biz.yahoo.com/ap/080312/ja\\_solar\\_holdings\\_outlook.html?v=2](http://biz.yahoo.com/ap/080312/ja_solar_holdings_outlook.html?v=2) or  
<http://tinyurl.com/259jiv>  
JA Solar: <http://www.jasolar.com/Web/index-en.asp>

### **3-12-08 Unidym Carbon Nanotubes for Thin Film Solar Cells**

Unidym Inc. entered a joint agreement to integrate its printable transparent electrodes with chemical company Nippon Kayaku Co.'s thin film solar cells. Stories at:  
<http://www.bizjournals.com/sanjose/stories/2008/03/10/daily40.html> and <http://tinyurl.com/2sw2j4>  
Unidym: <http://www.unidym.com/>  
Nippon Kayaku: <http://www.nipponkayaku.co.jp/english/>

### **3-12-08 ProtoFlex 2008 Developments [Pawan Bhat]**

See "ProtoFlex Introduces Target Materials for Sputtering" (March 10 press) at the company's Website under News. ProtoFlex also entered into an agreement with Xryatex Technology, Inc as its representative for test and inspection tools in the high-growth solar energy markets of Singapore, Malaysia, Japan, and China (February 15 press). The company announced that it shipped a multi-source thin film vacuum deposition chamber to Pacific Northwest National Laboratory where it will be used by PNNL's Materials Chemistry and Surface Research Group to conduct research on cadmium telluride-based solar cells (February 1 press). This and additional press at ProtoFlex Corporation-News:  
<http://www.protoflexcorp.com/>

### **3-12-08 Stion Corp. Move Deal, California**

See information on a \$700,000 redevelopment deal for Stion Corp. to expand and move into a former IBM building in Edenvale as part of a plan to bring in new jobs in emerging clean and green industries to San Jose, California at: [http://www.mercurynews.com/healthandspace/ci\\_8542792](http://www.mercurynews.com/healthandspace/ci_8542792)  
Stion Corp.: <http://www.stion.com/>

### **3-12-08 More on Printed Solar Cells**

See "'Printed' solar cells coming to windows, clothing" with coverage of Konarka Technologies at CNetNews: [http://www.news.com/8301-11128\\_3-9891134-54.html](http://www.news.com/8301-11128_3-9891134-54.html)  
Konarka: <http://www.konarka.com/>

### **3-12-08 PV Powered New Products**

PV Powered announced new products specially designed to provide maximum energy harvest from smaller PV installations. Press at RenewableEnergyWorld:  
<http://www.renewableenergyworld.com/rea/partner/story?id=51824>  
PV Powered: <http://www.pvpowered.com/>



### **3-12-08 CTSI Policy Tour, Washington DC**

Over 50 representatives of the clean technology sector were in Washington DC for the first Clean Technology & Sustainable Industries Organization Policy Tour held 5 March. Story at;

<http://tinyurl.com/3d2luz>

CTSI: <http://www.ct-si.org/>

### **3-12-08 Renewable Portfolio Standards Symposium**

Early bird pricing for EUCI's Renewable Portfolio Standards (RPS) Symposium 26-27 March 2008 in Washington, DC ends 14 March. Information at: <https://www.euci.com/conferences/0308-rps/agenda.php>

### **3-12-08 Renewable Energy in China**

Research and Markets announced the addition of "Analyzing Renewable Energy in China" to their offering. Story at: <http://tinyurl.com/2wwf8u>

Research and Markets: <http://www.researchandmarkets.com/reports/c85668>

### **3-12-08 What's in Store for Solar**

See "Solar Energy Technologies: What's in Store" at EnergyPulse™:

[http://www.energypulse.net/centers/article/article\\_display.cfm?a\\_id=1686](http://www.energypulse.net/centers/article/article_display.cfm?a_id=1686) or <http://tinyurl.com/2mauup>

### **In related solar news...**

#### **3-12-08 Torresol Energy, Joint Venture**

Spanish engineering group Sener Grupo de Ingenieria S.A. and Masdar announced a joint venture – Torresol Energy – to design, build and operate CSP plants in the world's sunbelt regions. Press at:

<http://www.ameinfo.com/149816.html> and

<http://www.tradingmarkets.com/.site/news/Stock%20News/1194584/>

#### **3-13-08 Suntech Power Investment in Nitel Solar**

Nitel Solar and Suntech Power have signed an agreement under which Suntech will acquire newly issued ordinary shares comprising a minority interest in Nitel Solar Ltd for a total consideration of up to \$100 million, subject to satisfactory conditions.

Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsASCO223.htm>

Nitel Solar: <http://www.nitelsolar.com/>

Suntech Power: <http://www.suntech-power.com/>

#### **3-13-08 Phoenix Solar Results [Anka Leiner]**

Phoenix Solar announced preliminary figures for the financial year 2007. Press at:

[http://www.phoenixsolar.com/Press/PressReleases/\\_content/articles/PM\\_080313.html?uri=/index.html](http://www.phoenixsolar.com/Press/PressReleases/_content/articles/PM_080313.html?uri=/index.html) or

<http://tinyurl.com/2kquy8>

#### **3-13-08 LDK Solar Wafer Supply**

LDK Solar Co Ltd said that based on its current backlog of contracts, it has almost sold out of its entire solar wafer capacity for 2008 and has sold more than 90% of capacity for 2009.

Story at CNNMoney: <http://money.cnn.com/news/newsfeeds/articles/newstex/AFX-0013-23733482.htm> or <http://tinyurl.com/2a8dz4>

LDK: <http://www.ldksolar.com/>

#### **3-13-08 Akeena Solar – Kyocera Strategic Partnership, Akeena Solar Results**

Akeena Solar and Kyocera Solar announced a strategic partnership to manufacture Andalay solar panels. Under the agreement, Kyocera will manufacture Andalay solar panels using Kyocera's high efficiency solar cells and will deliver 1.6 MW of panels to Akeena during 2008.

More at Solarbuzz: <http://www.solarbuzz.com/News/NewsNACO722.htm>

Akeena Solar: <http://www.akeena.net/cm/Home.html>

Kyocera: <http://www.kyocerasolar.com/>

See also Akeena Solar Results: <http://tinyurl.com/29t735>

### **3-13-08 Concentrix Solar Award**

German company Concentrix Solar has won an innovation award for its PV concentrator technology. Story at: <http://environmentalresearchweb.org/cws/article/futures/33333>  
Concentrix Solar: [http://www.concentrixsolar.de/cms/front\\_content.php?changelang=2](http://www.concentrixsolar.de/cms/front_content.php?changelang=2)

### **3-13-08 Solar Cells Factory, Nigeria**

See "Nigeria: Naseni to Establish Solar Cells Factory" at All Africa:  
<http://allafrica.com/stories/200803130368.html>

### **3-13-08 Solar America Initiative, University PV Product and Process Development**

The U.S. Department of Energy announced that DOE will invest up to \$13.7 million over 3 years for 11 university-led projects that will focus on developing advanced PV technology manufacturing processes and products. These projects are integral to the Solar America Initiative, which aims to make solar energy cost competitive with conventional forms of electricity by 2015.

DOE press at: <http://www.energy.gov/news/6071.htm>

University Photovoltaic Product and Process Development:

[http://www.eere.energy.gov/solar/solar\\_america/university\\_product\\_process\\_development\\_support.html](http://www.eere.energy.gov/solar/solar_america/university_product_process_development_support.html)  
or <http://tinyurl.com/2vp5ae>

[http://www.eere.energy.gov/solar/solar\\_america/pdfs/university\\_pv\\_031208.pdf](http://www.eere.energy.gov/solar/solar_america/pdfs/university_pv_031208.pdf) or <http://tinyurl.com/34lv9j>

Solar America Initiative: [http://www.eere.energy.gov/solar/solar\\_america/](http://www.eere.energy.gov/solar/solar_america/)

Cleantech® press: <http://media.cleantech.com/2586/solar-projects-getting-13-7m-from-u-s-doe> or  
<http://tinyurl.com/2cvlky>

### **3-13-08 Sunvim Thin-film Project**

Chinese company Sunvim has begun construction in Shandong on a thin-film solar cell project, in cooperation with Johanna Solar Technology GmbH. Story at:

<http://www.isa.org/InTechTemplate.cfm?Section=Departments5&template=/ContentManagement/ContentDisplay.cfm&ContentID=68267> or <http://tinyurl.com/ytjd9g>

### **3-13-08 Solar Power Wheeling and Dealing**

See the story "Solar power wheeling and dealing" at

Cleantech®: <http://media.cleantech.com/2589/solar-power-wheeling-and-dealing>

### **3-13-08 Smart Grid City**

Xcel Energy announced it will put in motion its vision to make Boulder, Colorado the nation's first fully integrated Smart Grid City.

Story at: <http://tinyurl.com/yql25w>

Smart Grid City: [http://www.xcelenergy.com/XLWEB/CDA/0%2c3080%2c1-1-1\\_15531\\_43141\\_46932-39884-0\\_0\\_0-0%2c00.html](http://www.xcelenergy.com/XLWEB/CDA/0%2c3080%2c1-1-1_15531_43141_46932-39884-0_0_0-0%2c00.html) or <http://tinyurl.com/2gp8gk>

### **3-13-08 Polysilicon, Environment**

See the story "Polysilicon-Production Waste Unacceptable to Solar Industry" at Solar Industry™:

[http://www.solarindustrymag.com/e107\\_plugins/content/content\\_it.php?content.1098](http://www.solarindustrymag.com/e107_plugins/content/content_it.php?content.1098) or  
<http://tinyurl.com/yp6txq>

### **3-13-08 NSTI Nanotech Ventures**

The submission deadline for Nanotech Ventures, 3-5 June in Boston, Massachusetts is 14 March.

Information at: <http://www.nsti.org/Nanotech2008/business/ventures.html>

### **3-13-08 Colorado Renewable Energy Conference**

The Colorado Renewable Energy Conference is set for 6-8 June 2008 in Pueblo, Colorado. Information at: <http://www.cres-energy.org/events/conference/>

### **3-13-08 Fundamentals of Power Purchase Agreements**

For information on EUCI's "Fundamentals of Power Purchase Agreements", 14 May 2008, visit:

[https://www.euci.com/web\\_conferences/0508-ppa/agenda.php](https://www.euci.com/web_conferences/0508-ppa/agenda.php)

### **3-13-08 IEEE Photovoltaic Specialists Conference**

See "First Solar, SunPower, Heliovolta to Keynote at IEEE PV Specialists Conference" at The Earth Times: <http://www.earthtimes.org/articles/show/first-solar-sunpower-heliovolta-to-keynote-at-ieee-pv-specialists-conference.313637.shtml> or <http://tinyurl.com/26n47d>  
Conference Website: <http://www.33pvsc.org/public/>  
Technology Velocity Forum: <http://tinyurl.com/ywtcyc>

### **3-13-08 Sustainable, Green and High-performance Solutions for the Built Environment - Conference**

The ecobuild® America conference is set for 19-22 May 2008 in Anaheim, California. Information at: [http://www.ecobuildamerica.com/attendees/conf\\_at\\_a\\_glance.html](http://www.ecobuildamerica.com/attendees/conf_at_a_glance.html)

### **3-13-08 Southern California Edison's Renewables RFP**

Southern California Edison has put out the call for more renewables contracts. This is SCE's 6<sup>th</sup> open, competitive solicitation for additional renewable power contracts since 2002. Information at: <http://tinyurl.com/259s56>  
SCE: <http://www.sce.com/AboutSCE/Regulatory/qualifyingfacilities/RFP2008.htm?from=renewrfp> or <http://tinyurl.com/yq4lzh>

### **3-13-08 PV Power Plants RFP, California**

The San Francisco Public Utilities Commission Power Enterprise is seeking proposals from qualified firms interested in financing, developing, designing, constructing, owning, operating, and maintaining two PV power plants. More at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR1031.htm>  
RFP: [http://sfwater.org/custom/bid/detailbyplan.cfm/bidid/2399/bidtype/2/MC\\_ID/15/MSC\\_ID/147/MTO\\_ID/331](http://sfwater.org/custom/bid/detailbyplan.cfm/bidid/2399/bidtype/2/MC_ID/15/MSC_ID/147/MTO_ID/331) or <http://tinyurl.com/24csva>

### **3-13-08 Green Power Financial Opportunities [The Green Power Network]**

Pacific Gas and Electric Company issued an RFP seeking up to 1,600,000 MWh of eligible renewable energy resources to meet California's RPS requirement. See: <http://www.pge.com/b2b/energysupply/wholesaleelectricssolicitation/renewables2008/> or <http://tinyurl.com/ytr7da>

Rocky Mountain Power is able to provide upfront funding, up to 100%, of new qualifying renewable energy projects, thanks to the Blue Sky customers. Information at: <http://www.rockymtnpower.net/Article/Article72035.html>

Rocky Mountain Power: <http://www.rockymtnpower.net/Homepage/Homepage65672.html>

The USDA's High Energy Cost Grant Program provides financial assistance for the improvement of energy generation, transmission, and distribution facilities serving eligible rural communities with home energy costs that are over 275% of the national average. More on this program and the 2008 funding opportunities at: <http://www.usda.gov/rus/electric/hecgp/overview.htm>

The Green Power Network, Financial Opportunities: <http://www.eere.energy.gov/greenpower/financial/>

### **3-13-08 More on Clean Energy Trends 2008**

See "Five Trends to Watch in the Renewable Energy Industry" with coverage of Clean Edge's report "Clean Energy Trends 2008" at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/news/story?id=51825>  
Clean-Energy Trends 2008: <http://www.cleandedge.com/reports/reports-trends2008.php>

### **In related solar news...**

#### **3-13-08 More on Torresol Energy**

See "Abu Dhabi's solar venture" featuring Torresol Energy at CNNMoney/FORTUNE: <http://greenwombat.blogs.fortune.cnn.com/2008/03/12/abu-dhabis-solar-venture/> or <http://tinyurl.com/ypov9t>

Press at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/news/story?id=51834>  
CNetNews: [http://www.news.com/8301-11128\\_3-9893102-54.html](http://www.news.com/8301-11128_3-9893102-54.html)

### **3-14-08 SolarWorld Results [Annegret Schneider]**

SolarWorld AG increased profits and sales group-wide in the double digits in fiscal year 2007. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsEU0522.htm>  
SolarWorld: <http://www.solarworld.de/Corporate-News.72.0.html?&L=1>  
<http://www.solarworld.de/>

### **3-14-08 Mitsubishi Silicon Output**

Mitsubishi Materials Corp. will spend 33.5 billion yen (\$333 million) to raise output of multicrystal silicon to meet rising demand. Story at:  
<http://www.bloomberg.com/apps/news?pid=20601101&sid=apvznJBzuN1I&refer=japan> or  
<http://tinyurl.com/2e2ts4>  
Mitsubishi Materials: <http://www.mmc.co.jp/english/index.html>

### **3-14-08 Solar Roundup**

See "Solar Roundup: Chinese Solar Buys and Brags" at Greentech Media:  
<http://www.greentechmedia.com/articles/solar-roundup-chinese-solar-buys-and-brags-691.html> or  
<http://tinyurl.com/2lrtkc>

### **3-14-08 Solaria Featured**

Start-up Solaria intends to cut the cost of solar panels by decreasing the amount of expensive material required, and has already started shipping its first panels to select customers. See "Slicing Up Silicon for Cheaper Solar" at MIT Technology Review: <http://www.technologyreview.com/Energy/20412/>  
Solaria: <http://www.solaria.com/>

### **3-14-08 Avanzit Contract**

According to this press, Avanzit SA has won a contract worth 100 mln Eur to build a 13.5 MW solar farm in the Spanish province of Huesca. Story at: <http://www.hemscott.com/news/latest-news/item.do?newsId=61518964442460>  
Avanzit: <http://www.avanzit.com/index.php?lang=en#>

### **3-14-08 Sunovia and EPIR Technologies Facilities**

Sunovia Energy Technologies, Inc. and EPIR Technologies, Inc. announced the completion of Phase I of the expansion of the Electro-Optic manufacturing facilities at EPIR in Bolingbrook, Illinois. Story at The Earth Times: [http://www.earthtimes.org/articles/show/sunovia-announces-completion-of-phase-i-advanced-solar-cell-and\\_314917.shtml](http://www.earthtimes.org/articles/show/sunovia-announces-completion-of-phase-i-advanced-solar-cell-and_314917.shtml) or <http://tinyurl.com/22mam>  
Sunovia: <http://www.sunoviaenergy.com/>  
EPIR: <http://www.epir.com/>

### **3-14-08 Conergy's New Ground-Mount Array Structure [Jyl Safier]**

Conergy introduced its SolarGiant NA ground-mounted PV array structure. Designed expressly for the North American market, it is intended for use in commercial to utility-scale PV projects. Press from Conergy: <http://www.conergy.us/desktopdefault.aspx/tabid-267/>  
[http://www.conergy.us/desktopdefault.aspx/tabid-163/822\\_read-8822/](http://www.conergy.us/desktopdefault.aspx/tabid-163/822_read-8822/) or <http://tinyurl.com/2zmg9k>  
Conergy Whitepaper:  
[http://www.conergy.us/PortalData/3/Resources/products/pdf/Conergy\\_SolarGiant\\_WP.pdf](http://www.conergy.us/PortalData/3/Resources/products/pdf/Conergy_SolarGiant_WP.pdf) or  
<http://tinyurl.com/yrsgno>  
Conergy AG: <http://www.conergy.com/>

### **3-14-08 More on Oerlikon Manufacturing Plant Order from Next Solar, Greece**

Next Solar will construct its first thin-film solar module factory, and Oerlikon Solar will deliver the turnkey production line within the current year. Story at Solarbuzz:  
<http://www.solarbuzz.com/News/NewsEU05213.htm>  
Oerlikon: <http://www.oerlikon.com/>

### **3-14-08 SolarCity Program in Long Beach, California**

SolarCity has successfully completed its latest marketing program in Long Beach, California where some 50 homeowners have purchased a total of 175 kW of clean power – more than double the amount city residents purchased in all of 2007, and the largest number of homes to go solar in a 4-month period in the city's history. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR1032.htm>  
SolarCity: <http://www.solarcity.com/>

### **3-14-08 Fab Managers' Needs**

Gerhard Rauter, COO Q-Cells moderated a panel discussion entitled "The real needs of Fab Managers" at the recent PV Fab Managers' Forum in Dresden, and made an appeal for PV ITRS (the International Technology Roadmap for Semiconductors). Story at PVTech: [http://www.pv-tech.org/fab\\_and\\_facilities/article/gerhard\\_rauter\\_coo\\_q\\_cells\\_ag\\_calls\\_for\\_pv\\_itrs](http://www.pv-tech.org/fab_and_facilities/article/gerhard_rauter_coo_q_cells_ag_calls_for_pv_itrs) or <http://tinyurl.com/33bg3b>  
Q-Cells: [http://www.qcells.de/cmadmin\\_2\\_480\\_0.html](http://www.qcells.de/cmadmin_2_480_0.html)

### **3-14-08 Sharp Corp. Cell Production**

Sharp Corp. will regain the top spot in global solar cell production by 2010, president Mikio Katayama told the press in a recent interview. Story at: <http://www.semiconductor.net/articleXml/LN759901183.html>

### **3-14-08 American Solar Action Plan [Ken Zweibel]**

The American Solar Action Plan has launched its website to promote the Solar Grand Plan as it appeared in January's Scientific American. The Plan harnesses PV and CSP, mostly from the US Southwest, to meet all our energy needs of the 21<sup>st</sup> century, including an electrified transportation sector. Solar is made dispatchable with compressed air energy storage for PV and thermal storage for CSP. Access to the Scientific American article and analysis supporting it are given at the Website: <http://www.solarplan.org/>  
A Solar Grand Plan: <http://www.sciam.com/article.cfm?id=a-solar-grand-plan>  
Blog: <http://science-community.sciam.com/blog-entry/Ken-Zweibels-Blog/Website-Plan/5700000210> or <http://tinyurl.com/37dcrp>

### **3-14-08 PV Players and Prospects**

The outlook for solar players could hardly be better, according to this article at RenewableEnergyWorld – "Land of Giants: PV Players and Prospects":  
<http://www.renewableenergyworld.com/rea/news/reworld/story?id=51590> or <http://tinyurl.com/2yeomg>  
Renewable Energy World Magazine:  
<http://www.renewableenergyworld.com/rea/magazine/reworld?magazine.volumeNumber=11&magazine.issueNumber=1> or <http://tinyurl.com/23wkvn>

### **3-14-08 Green Power Purchasers**

The 25 largest purchasers of renewable electricity in the U.S. account for 8.8 billion kWh of green power a year. Story at Renewable Energy Focus:  
[http://www.renewableenergyfocus.com/articles/general/news/080312\\_USMarinegroup.html](http://www.renewableenergyfocus.com/articles/general/news/080312_USMarinegroup.html) or <http://tinyurl.com/39mshx>  
Renewable Energy Focus: <http://www.renewableenergyfocus.com/>

### **3-14-08 China Renewable Energy and Sustainable Development Report**

See "China Renewable Energy and Sustainable Development Report: February 2008" at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/news/infocus/story?id=51837> or <http://tinyurl.com/2yl4a9>  
China Strategies, LLC: <http://www.chinastrategiesllc.com/>

### **3-14-08 Solar Start-ups**

See the story "Are solar cell start-ups worth billions?" at CNetNews: [http://www.news.com/8301-11128\\_3-9893687-54.html?tag=nefd.blgs](http://www.news.com/8301-11128_3-9893687-54.html?tag=nefd.blgs)

### **3-14-08 Stock Market and Capital Investments**

See “Does the Stock Market Drive Capital Investments in Renewable Energy Startups” at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/news/ate/story?id=51801> or <http://tinyurl.com/257mxb>

### **3-14-08 Moving into the Solar Sector**

See the article “Rohm & Haas, with competitor out of picture, could enter solar acquisition fray, sources say” at Financial Times: [http://www.ft.com/cms/s/2/c9a30918-f1c9-11dc-9b45-0000779fd2ac,dwp\\_uuid=e8477cc4-c820-11db-b0dc-000b5df10621.html](http://www.ft.com/cms/s/2/c9a30918-f1c9-11dc-9b45-0000779fd2ac,dwp_uuid=e8477cc4-c820-11db-b0dc-000b5df10621.html) or <http://tinyurl.com/2g6loa>

### **3-14-08 SOLAR 2008**

For the latest on SOLAR 2008, 3-8 May 2008 in San Diego, California, visit:  
<http://www.ases.org/solar2008/>  
<http://www.ases.org/solar2008/program/saag.htm>