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SolFocus, GreenWing in CPV system deal

Silicon Valley / San Jose Business Journal

GreenWing Energy Management Ltd. will install **SolFocus Inc.**'s concentration photovoltaic systems in its projects, the companies announced Thursday.

Financial terms of the deal between Vancouver, B.C.-based GreenWing and Mountain View-based SolFocus were not disclosed.

The SolFocus CPV design uses a system of reflective optics to concentrate sunlight 650 times onto small, highly efficient solar cells, the companies said, adding that the system uses approximately 1/1,000th of the active, expensive solar cell material compared to traditional photovoltaic panels.

GreenWing also has a U.S. office in Morgan Hill.

<http://sanjose.bizjournals.com/sanjose/stories/2009/07/20/daily80.html>

GreenWing Energy signs agreement with SolFocus for utility scale deployments of CPV

24 July 2009 | By [Emma Hughes](#) | [News](#) > [PV Modules](#)



GreenWing Energy Management and SolFocus have announced an agreement for SolFocus to supply high concentration photovoltaic (CPV) systems for GreenWing's large-scale solar power projects in the western United States.

This agreement allows for the expansion of GreenWing's business into the solar energy sector; the company intends to install the SolFocus CPV systems in both new utility-scale projects of 20-300MW and larger distributed generation applications of up to 1-20MW.

The SolFocus 1100S system uses approximately 1/1000th of the active, expensive solar cell material compared to traditional PV panels. These cells, for use in CPV systems, have a reported double efficiency level compared to traditional silicon PV cells. In solar-rich regions, the SolFocus CPV technology allows for efficiency rates that help solar power costs approach equivalence with fossil fuel generation.

GreenWing's Vice President of Business Development Matt Penry said, "GreenWing and SolFocus are ideally positioned to participate in this exciting and rapidly growing market segment and provide customers with a cost competitive and environmentally responsible solution."

The SolFocus CPV design is being peddled as far better for the environment in comparison to other solar power generation technologies as it has very low water usage, emissions free electricity, no noise from sites, no permanent shadowing or wildlife corridor interruptions, and no disruptive solar glare.

SolFocus President and CEO Mark Crowley said, "(GreenWing's) capabilities are extremely valuable to SolFocus as we accelerate our volume equipment production program in the upcoming months."

Financial details of the agreement, location of the projects, and timing of the developments were not disclosed.

http://www.pv-tech.org/news/_a/greenwing_energy_signs_agreement_with_solfocus_for_utility_scale_deployment/?utm_source=Feeds&utm_campaign=News+Feed&utm_medium=rss

SolFocus to supply photovoltaic panels for GreenWing Energy's new solar projects

23rd July 2009

GreenWing Energy will use the SolFocus concentrator photovoltaic system in its planned large scale solar projects in the Western US, the company has said.

'SolFocus CPV systems have demonstrated exceptional solar energy conversion rates,' explained Matt Penry, GreenWing's vice president of business development. 'These best-in-class efficiencies combined with a low-cost manufacturing program by SolFocus facilitate the generation of cost-competitive solar energy.'

While GreenWing will continue to develop its portfolio of world-class wind energy projects in the U.S. and Canada, the agreement with SolFocus marks an important expansion of GreenWing's business into the rapidly growing solar energy sector.

http://www.newenergyworldnetwork.com/renewable-energy-news/by_technology/solar-by_technology-new-news/solfocus-to-supply-photovoltaic-panels-for-greenwing-energys-new-solar-projects.html

GreenWing Energy Signs Agreement with SolFocus for Utility Scale Deployments of Concentrator Photovoltaic (CPV) Systems

Posted on : 2009-07-24

VANCOUVER, British Columbia & MOUNTAIN VIEW, Calif.--(BUSINESS WIRE)--Renewable energy industry leader GreenWing Energy Management Ltd. announced today that it has signed a landmark agreement with SolFocus, Inc. for SolFocus to supply high concentration photovoltaic (CPV) systems for GreenWing's large-scale solar power projects in the western United States. The agreement marks an important expansion of GreenWing's business into the rapidly growing solar energy sector. GreenWing will continue to develop its portfolio of world-class wind energy projects in the U.S. and Canada. GreenWing intends to install the SolFocus CPV systems in both new utility-scale projects (20-300MW) and larger distributed generation applications (1-20MW).

The innovative SolFocus CPV design employs a system of patented reflective optics to concentrate sunlight 650 times onto small, highly efficient solar cells. The SolFocus 1100S system uses approximately 1/1,000th of the active, expensive solar cell material compared to traditional photovoltaic panels. In addition, the cells utilized in SolFocus CPV systems have over twice the efficiency of traditional silicon photovoltaic cells. In solar-rich regions, the SolFocus CPV technology yields efficiencies that help solar power costs approach parity with fossil fuel generation.

"SolFocus CPV systems have demonstrated exceptional solar energy conversion rates," explained GreenWing's Vice President of Business Development Matt Penry. "These best-in-class efficiencies combined with a low-cost manufacturing program by SolFocus facilitate the generation of cost-competitive solar energy." SolFocus CPV panels are ground mounted on two-axis trackers which optimize capture of the sun's energy and provides for near full capacity power production during all daylight hours.

The SolFocus CPV design also provides for numerous important environmental benefits when compared to other solar power generation technologies including next to no water usage, a very small footprint, emissions free electricity, no noise from sites, no permanent shadowing or wildlife corridor interruptions, and no disruptive solar glare.

"Solar energy production in the high solar resource regions of the world is projected to grow at an annual rate of over 40% or nearly twice the rate of the traditional solar markets. GreenWing and SolFocus are ideally positioned to participate in this exciting and rapidly growing market segment and provide customers with a cost competitive and environmentally responsible solution," added Penry.

"It is with great pride and high expectations that we announce this agreement with GreenWing Energy," commented SolFocus President and CEO Mark Crowley. "GreenWing possesses a demonstrated, high level expertise in project development as well as in building, developing and managing relationships with customers and service providers. These capabilities are extremely valuable to SolFocus as we accelerate our volume equipment production program in the upcoming months."

"This agreement clearly illustrates GreenWing's commitment to PV technology and the significant environmental and economic benefits that it presents. GreenWing is confident that the energy conversion efficiencies and modest environmental impacts of the SolFocus technology will represent a competitive advantage for GreenWing in providing our customers with a reliable and cost-competitive renewable energy product for many years to come," stated Dan Allard, CEO of GreenWing Energy Management Ltd.

<http://www.earthtimes.org/articles/show/greenwing-energy-signs-agreement-with,903318.shtml#>

ALTERNATIVE ENERGY NEWS

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[GreenWing Energy Signs Agreement with SolFocus for Utility Scale Deployments of Concentrator Photovoltaic \(CPV\) Systems](#)

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<http://www.thealternativeenergynews.com/2009/07/greenwing-energy-signs-agreement-with.html>