

## Glaston Establishes Solar Energy Business; Expands Offerings

**G**laston Corp. in Finland has established a separate solar energy business to focus on this rapidly growing solar energy market. The new business is headed by Claus Carlsen, former managing director of Tamglass Glass Processing.

"Players in the solar energy segment are looking for a reliable partner with the financial and organizational strength to handle large projects anywhere in the world," says Mika Seitovirta, president and chief executive officer (CEO). "They also demand the highest quality of glass possible, while at the same time keeping production processes cost-effective. Glaston is best placed to meet all of those needs and already has a strong, and growing, order book in solar applications. We are therefore creating this offering to better service our solar customers."

Among those customers is Solel Solar Systems in Bet Shemesh, Israel, which announced in September that it had opened a \$9 million factory in Finland in partnership with Glaston for the production of parabolic solar reflectors for its solar field projects. At the core of the facility is equipment conceptualized by Solel, and designed and built by Glaston according to the solar company's specific technical requirements.

The facility is located in Akaa, about 125 miles north of Helsinki. It has the capacity to produce 240,000 parabolic solar reflectors a year, enough to power a 50 MW power plant.

"We are very excited about this partnership, uniting the solar know-how and leadership of Solel with the automation processing expertise of Glaston," says Avi Brenmiller, president and CEO of Solel. "By producing our next generation of parabolic solar reflectors, this new fac-

### Glass May Help UK's Energy Challenges

**T**wo groups in the United Kingdom are researching new ways to use glass to meet the country's energy challenges thanks to a \$17.6 million USD (10 million GBP) grant from the UK's Technology Strategy Board and Engineering and Physical Sciences Research Council.



Polysolar Ltd. in Cambridge, U.K., will lead Linde Electronics, Imperial College, Sagentia Ltd. and Pilkington Technology Management Ltd. in research to develop a low-cost translucent photovoltaic architectural glass for use in windows and curtainwalls. The technology used will be based on conjugated organic polymers.

In addition, Arup in London will lead a group made up of Pilkington Group, the Centre for Renewable Energy Systems Technology - Loughborough University and Applied Multilayers in a project to produce low-cost integrated photovoltaics in double-glazed windows based on a type of solar thin film cell.

tory will help us advance our SunField LP solar fields, in Spain and around the world, and provide our customers with guaranteed performance."

► [www.glaston.net](http://www.glaston.net)

### Octillion Enters Photovoltaic Window Research Agreement

Octillion Corp. in Auburn Hills, Mich., has entered into a sponsored research agreement with scientists at Oakland University to further the development of its NanoPower Window technology. The two-year agreement will focus on transparent photovoltaic device construction on glass substrates. It also includes provisions to explore related innovations.

In addition to furthering the company's goal of developing a transparent window capable of generating electricity, the agreement also allows Octillion and Oakland University to jointly ben-

efit from nanotechnology innovations that may apply in other applications.

► [www.octillioncorp.com](http://www.octillioncorp.com)

### Bekaert Presents Market with New Rotatable Sputter Targets

Bekaert, headquartered in Belgium, has now developed a range of rotatable sputter target materials for the deposition of transparent conductive oxide (TCO) layers used in photovoltaic (PV) cells. These TCO layers are essential building blocks for all thin film PV applications where optical transmission and electrical conductivity are required simultaneously.

Bekaert's rotatable sputter targets are one piece targets, capable of depositing various TCO layers. Bekaert now adds to its TCO portfolio a new target material which is AZO, Zinc Oxide doped with Aluminum oxide.

► [www.bekaert.com](http://www.bekaert.com) ■