



Developing Next Generation Photovoltaics

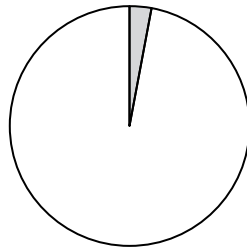
Entrepreneur Showcase , Cleantech Forum Amsterdam
Amsterdam, May 10, 2011

BIPV market is growing fast – race for winning technology still open



2009 (100% = 7.3 GWp installations p.a.)

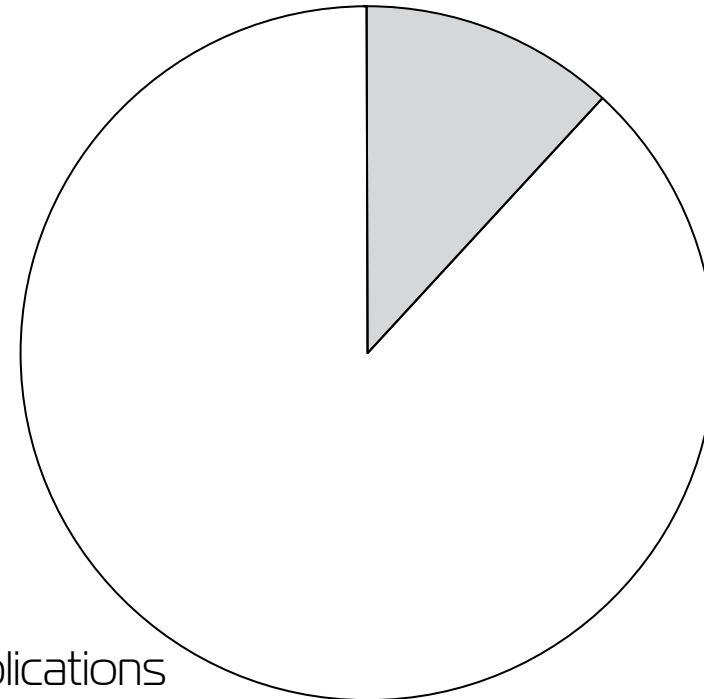
3% Building integrated photovoltaics (BIPV)



97% Other applications

2016 (100% = 30 GWp installations p.a.)

12% Building integrated photovoltaics (BIPV)

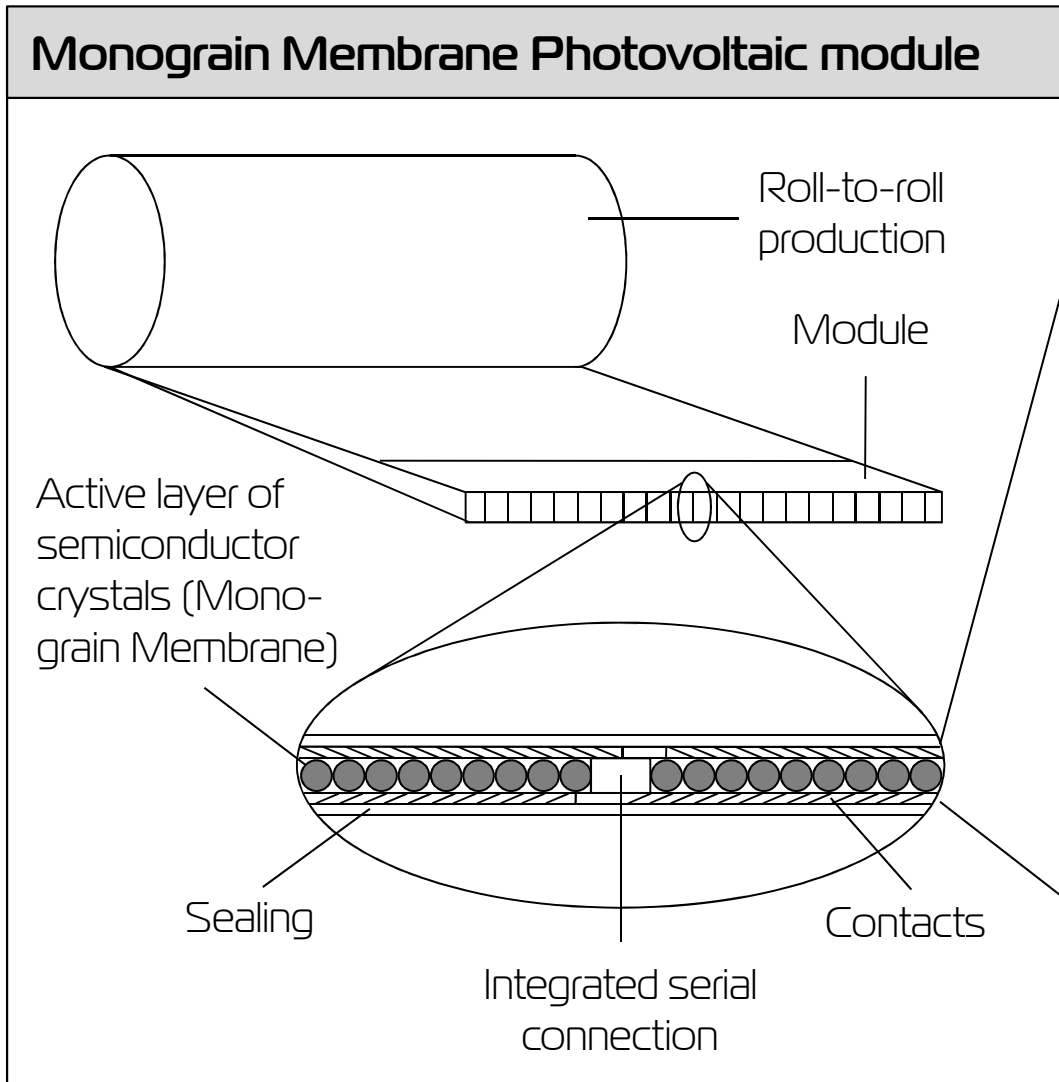


88% Other applications

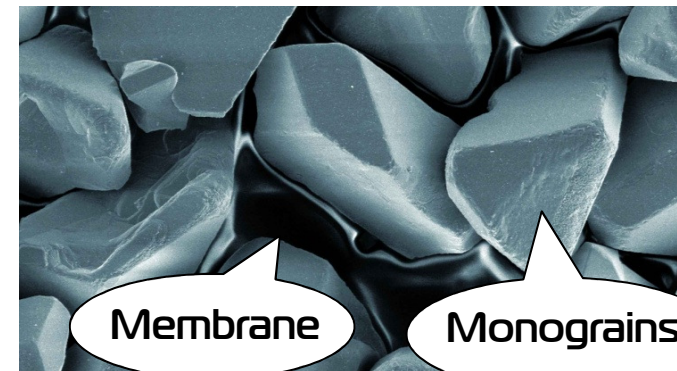
In 2010 7.3 GWp installed generating EUR 29 bn in revenue

Several companies develop BIPV products (e.g., Global Solar, Odersun)

crystalsol's technology has significant application and cost advantages



Light absorbing active layer



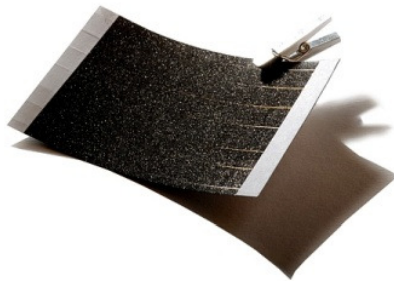
Key advantages

- **Versatile application** – flexible, tailor made, semitransparent
- **Low production cost** – below 0.3 EUR/W_p
- **Strong intellectual property** – 8 patents/applications

crystalsol provides a photovoltaic film to its customers



Semi-finished module



- Tailor made in size and shape
- Free choice of encapsulation materials
- True integration into customer's manufacturing processes

crystalsol's customer cooperations

SUNTRICA 

Suntrica Ltd

Flexible and high-efficiency portable solar chargers

ertex solar
A Company of the Ertl Glas Group

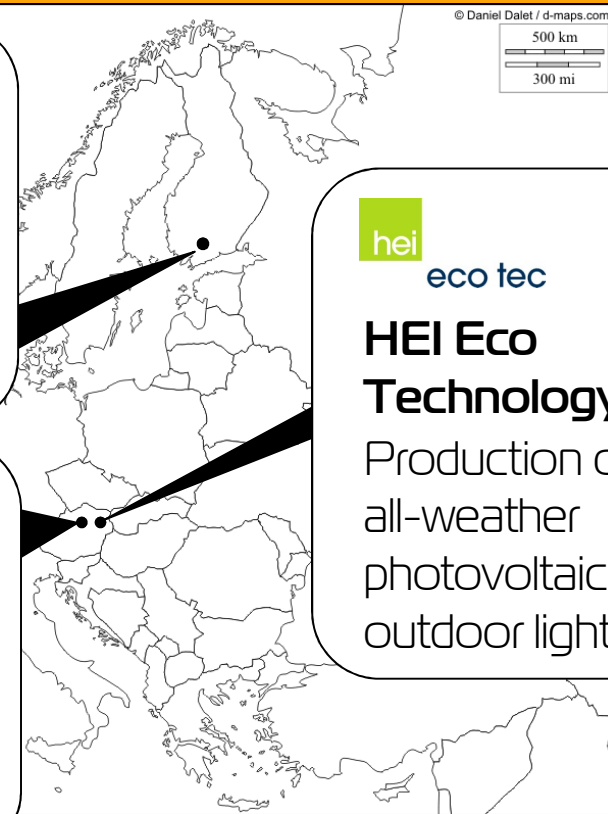
Ertext Solar

Integration of PV in glass products for BIPV

hei
eco tec

HEI Eco Technology

Production of all-weather photovoltaic outdoor light



crystalsol has a well balanced team



Wolfgang Ressler
co-CEO

Sales, HR, Austrian operations

- Previously Jun. Engagement Manager with McKinsey & Co.
- 4 years experience in hi-tech, automotive, manufacturing and telecommunication in Europe, US, and Asia
- M.Sc. in Electrical Engineering



Thomas Badegruber
co-CEO

Finance, Estonian operations

- Previously Engagement Manager with McKinsey & Co.
- 4 years experience in process industries and private equity in Europe and US
- Ph.D. in Finance



Dieter Meissner
Chief Scientist

Scientific research

- 30 years experience in photovoltaics
- Professor at Tallinn University of Technology
- Publication of over 150 papers
- Owner of 24 patent families
- Advisor to ISOVOLTA on polymer solar cells



Christoph Waldauf
Head of Developm.

Product development

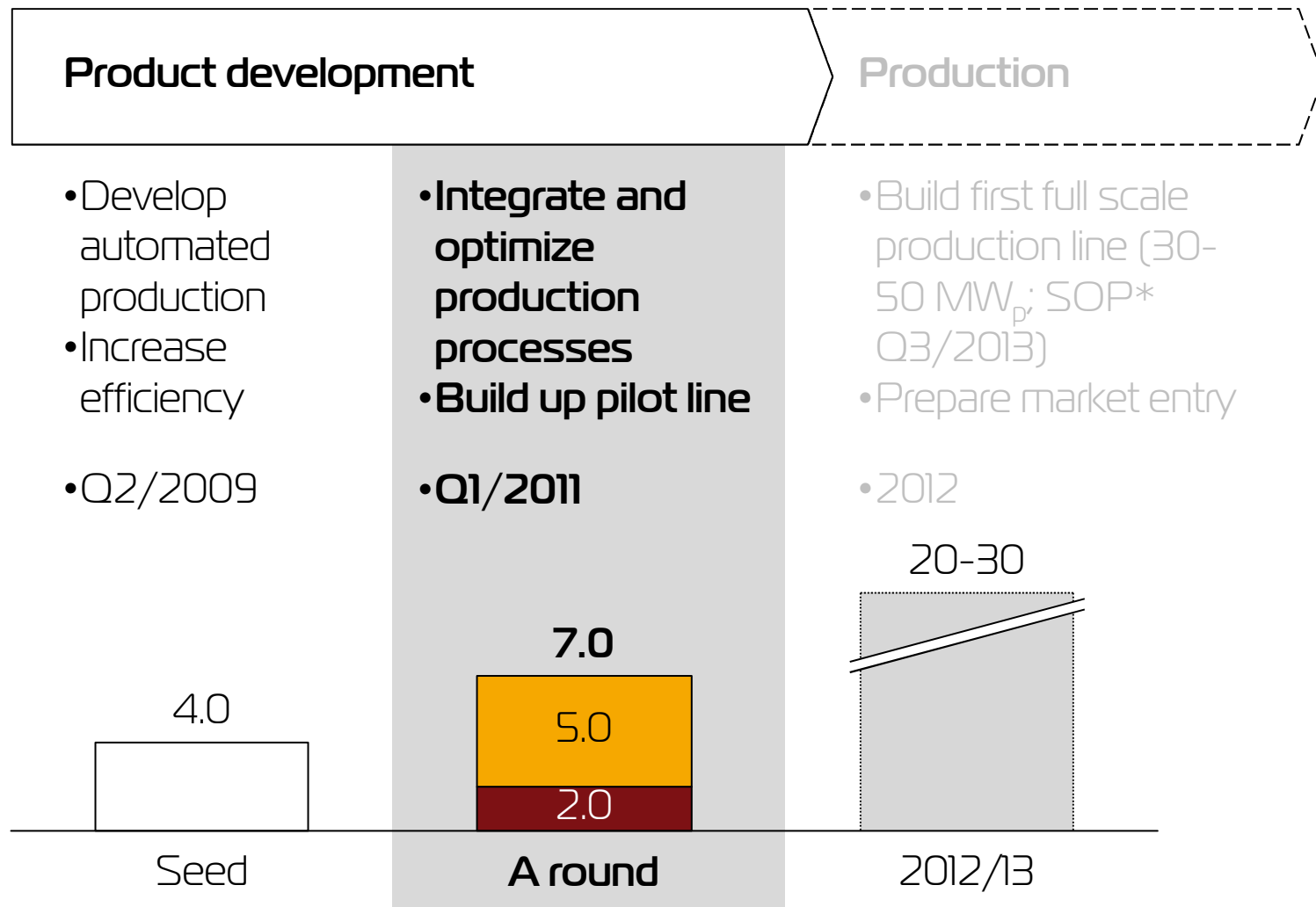
- 10 years experience in photovoltaics
- Previously with Konarka, responsible for device and production concepts for flexible and printable organic solar cells
- M.Sc. in Applied Physics

16 experienced scientists and engineers are advancing the product

crystalsol is seeking EUR 5 million to build up a pilot production line



■ Equity investment
 ■ Public funding (grants, loans)



Source: crystalsol

**Thank you very much
for your attention!**



Contacts: Wolfgang Ressler
+43 664 88468340
wr@crystalsol.com

Thomas Badegruber
+43 664 88468341
tb@crystalsol.com

Web: www.crystalsol.com