



## OrionSolar Photovoltaics, Ltd.

### Facts At A Glance

---

#### Organization

**OrionSolar Photovoltaics, Ltd.** – leading developer of solar energy cells; innovative, second generation dye cell photovoltaic technology enables the widespread use of solar energy for home systems and “Do It Yourself” (DIY) Applications worldwide by significantly reducing the high costs of today’s traditional silicon photovoltaic cells (approximately \$.70 per peak watt versus \$2.00 per peak watt, respectively); ready for market 2007; founded in 2003

#### Corporate Strategy

- Develop and deliver next generation photovoltaic solar technology for DIY applications worldwide
- Provide an affordable source of electrical energy and home systems for people worldwide, especially in Developing Nations
- Develop and customize OrionSolar technology based on emerging business and consumer market needs

#### Technology

Patented photovoltaic dye solar energy cells

#### Key Differentiators

- Patented technology that substantially reduces the cost of existing solar cell technology
- Design that reduces losses in electric current, thereby enabling larger cells to be built
- Technology specifically designed for solar home Systems and DIY applications

#### End Consumer Benefits

- Significantly reduced cost of solar energy
- Simple purchase and distribution of solar energy package for businesses and consumer
- Inexpensive and easily installed DIY energy packages for consumers
- 

- more -

## **Markets and Applications**

- U.S., European Common Market Countries, Japan and Developed Nations -- Folded solar sheets for the DIY markets and portable applications for transportation
- Brazil, China, India and Developing Nations -- Non-grid applications (electricity) for solar home systems

## **Customers**

OrionSolar markets its technology through joint venture and licensing agreements with industry leaders in each of its target markets; agreements currently under negotiation

## **Science Advisory Board**

- David Cahen, Ph.D., Chairman, Science Advisory Board  
Leading researcher in materials chemistry and photovoltaic applications; Head of the Department of Materials and Interfaces, the Weizmann Institute of Science, Rehovot, Israel; 15 patents
- Jonathan Goldstein, Ph.D.  
Leading authority on battery technology; broad knowledge of solar PV and thermal systems; 37 patents
- Toby Meyer, Ph.D.  
Leading authority on the development of new photovoltaic cells imitating natural photosynthesis; Co-founder of Solaronix, Aubonne, Switzerland; 2 patents
- Arie Zaban, Ph.D.  
Leading authority on dye cell technology in Israel; Professor of Chemistry, The Institute of Nanotechnology and Advanced Materials, Bar Ilan University, Israel; 6 patents

## **Alliances & Partnerships**

- Solaronix, Aubonne, Switzerland  
([www.Solaronix.com](http://www.Solaronix.com))
- The Institute of Nanotechnology and Advanced Materials at Bar Ilan University, Israel  
([www.nanocenter.biu.ac.il](http://www.nanocenter.biu.ac.il))

- more -

**Ownership** Privately-held;  
Investors: Office of the Chief Scientist of Israel and  
Bar Ilan University;  
Sole Institutional Investor: 21Ventures LLC

**Headquarters** Jerusalem;  
regional headquarters in London

**Employees** 15

**Executive Management** Barry Breen, Ph.D.  
VP, Production

Jonathan Goldstein, Ph.D.  
Founder and President

Eli Rosh Hodesh,  
VP, Laboratory Research

Ilya Yakupov, Ph.D.  
CTO

David Waimann  
Founder, CEO and CMO

**Web Site** [www.OrionSolar.net](http://www.OrionSolar.net)

**Media Contact** Steven M. Plavny,  
Director, Analyst & Media Relations  
Mobile: 770-235-5918  
smp@OrionSolar.net

# # # # #