



# Prism Solar Technologies, Inc.



## *Advanced Photovoltaic Modules*

October 2007

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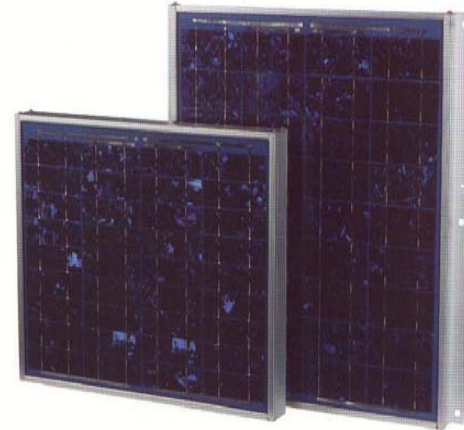
# Prism's Competitive Advantage



## Prism PV Module



## Competitor PV Modules



- Lower cost solar modules (\$1.36/watt).
    - 27-60% less solar cells.
  - Planar concentrator.
    - Intelligent - Passive “tracking” – (no moving parts).
  - Single-crystal stability with thin film costs.
- Expensive modules (\$3.20/watt).
    - Silicon shortage to continue.
  - Traditional concentrators.
    - Requires extensive cooling and expensive/precise mechanical tracking.
  - Most thin films have not met cost projections over two decades and crystalline remains a costly and an inefficient use of silicon.

# Prism Management Team



## ❖ Rick Lewandowski

- President and Chief Executive Officer, BOD
  - 25-year veteran of solar industry
  - Founder of US PV distributor, NYSEIA, ILSEIA

## ❖ Glenn Rosenberg

- Chief Technology Officer
  - Inventor of the Prism's technology

## ❖ Richard Klein - BOD

- Director, Physicist - Mathematician

## ➤ Dr. Walter Robb - BOD

- Former Senior VP and head of GE's Research & Development

## ➤ Paul Maycock - BOD

- Former head of USDOE PV program

## ➤ Tim Lewin - BOD

- Chairman of the Advisory Board at Zindel International Private Equity Fund focused on Russia and CIS countries

# *Elegant Light Trapping Within Medium*



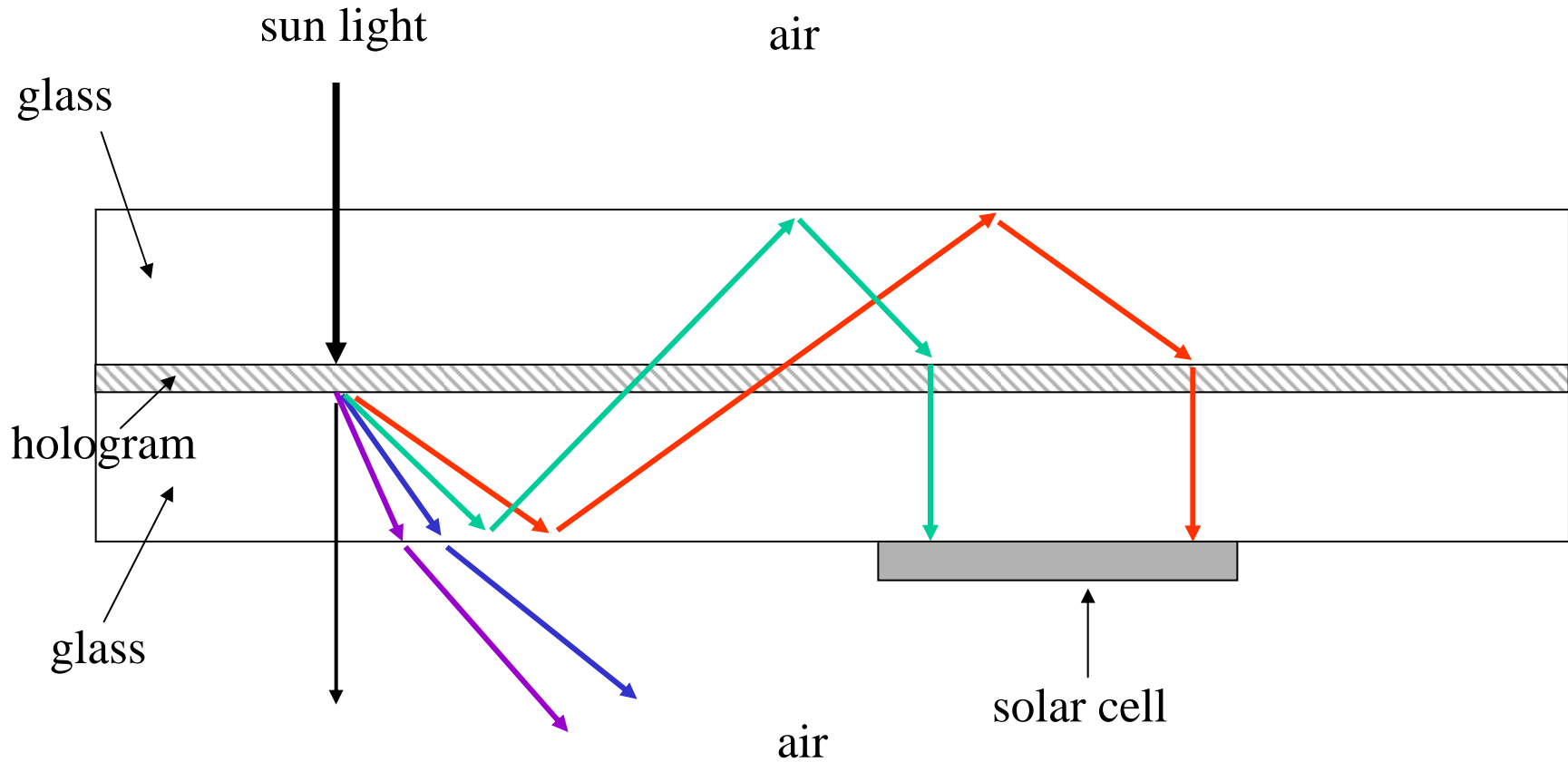
Light enters

Total Internal  
Reflection (TIR)

Light exits



The hologram spectrally selects solar radiation and moves it through the plane of the glass onto the PV.

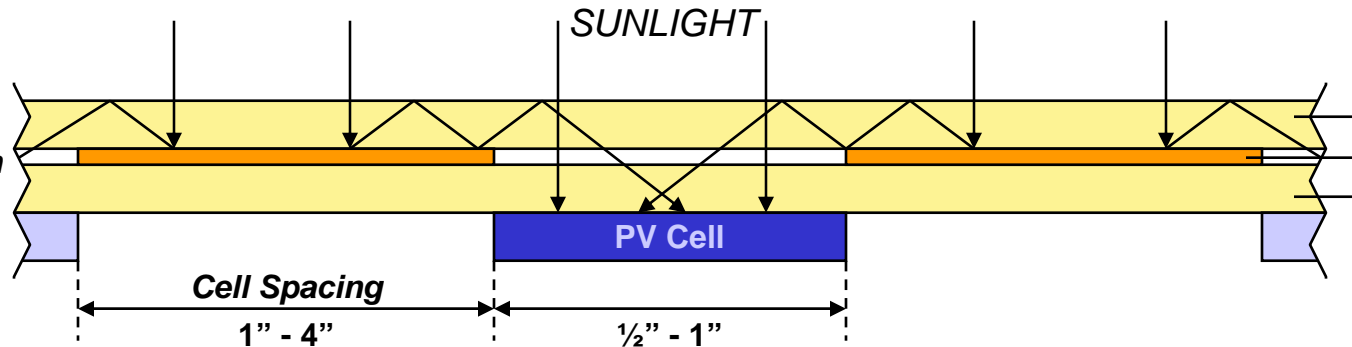




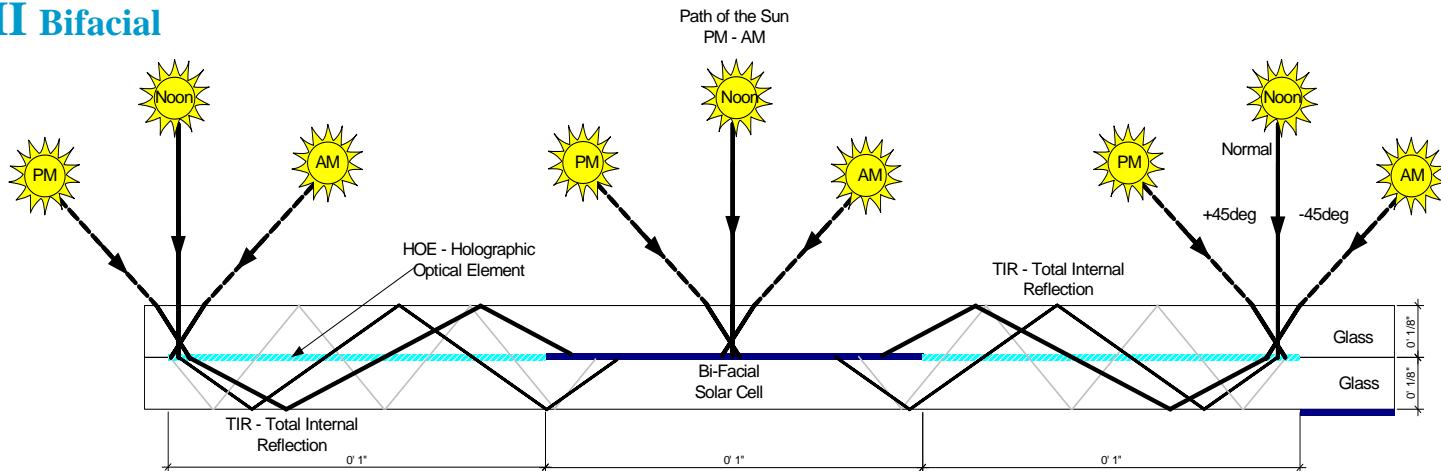
# Planar concentrator with solar cell

## Gen I Monofacial

Simplified  
Cross-Section  
Schematic



## Gen II Bifacial



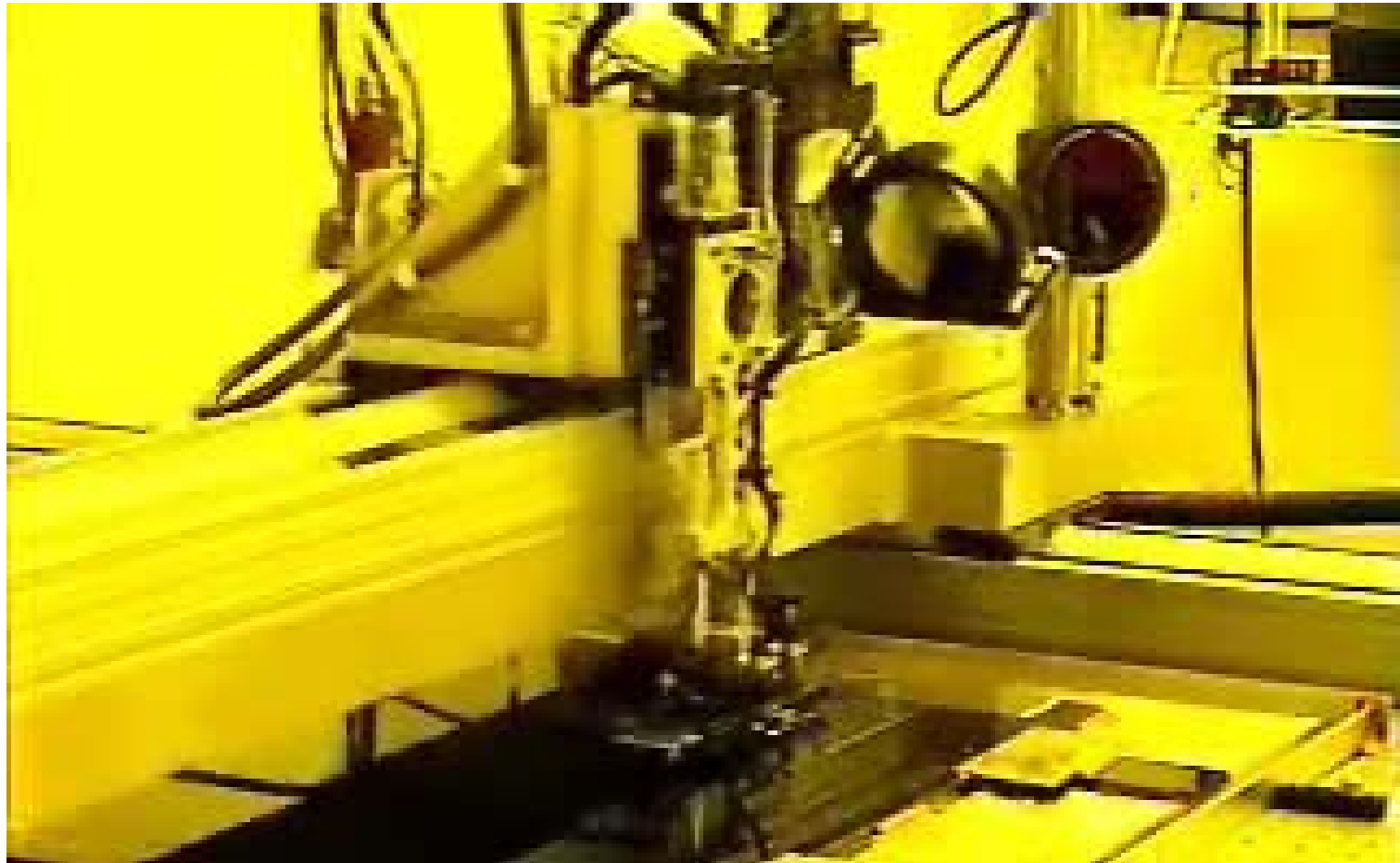
Prism Solar's next generation product combined with **bifacial** cell technology will further improve the efficiency and output of the module.



# Prism HPC Manufacturing Coater



# Prism HPC Manufacturing Photon Storm™ - Imaging





# Prism HPC Manufacturing Replicator





# Business Model

- Module sales for domestic markets.



60 MW

- Film sales for international sales under license and within Joint Ventures.



240 MW

PRISM has patent protection and has tested its product at well known institutions using recognized standards.



### Intellectual Property

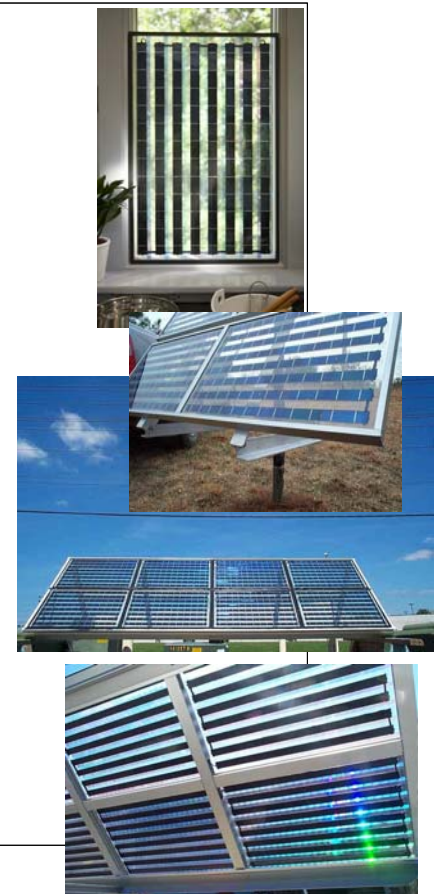
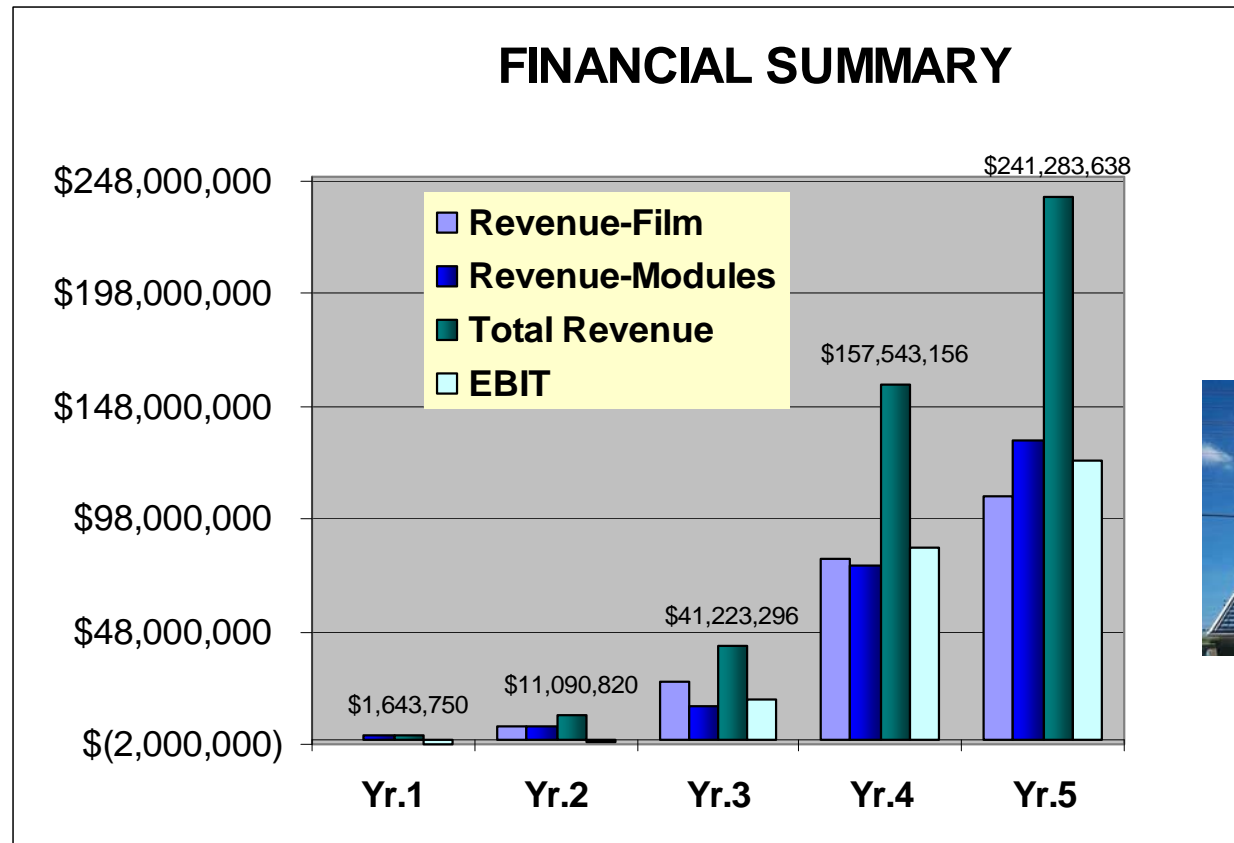
- Issued patents.
  - US Patent Nos.  
#5,877,874 and #6,274,860.
- Additional patents under development.
- International counterparts.
- A substantial body of trade secret and process know-how has been developed and documented.
- Can be configured to meet architectural glazing test standards for BIPV.

### Testing and Verification

- Tested at the U.S. Department of Energy national lab.
  - National Renewable Energy Laboratory.
- Tested at Arizona State University Photovoltaic Test Lab (PTL).
- Withstands rigors of IEEE-1262 PV test standards.
- Modules installed and tested at numerous sites around the US and Japan.



# Prism Financials



# Prism Solar - Investment Opportunity



## • Market

- **\$12 Billion Market** - industry that grew over 42% last year, 30%/year - last 10 years.
- Solid fundamentals.

## • Proprietary Technology & Competitive Advantage

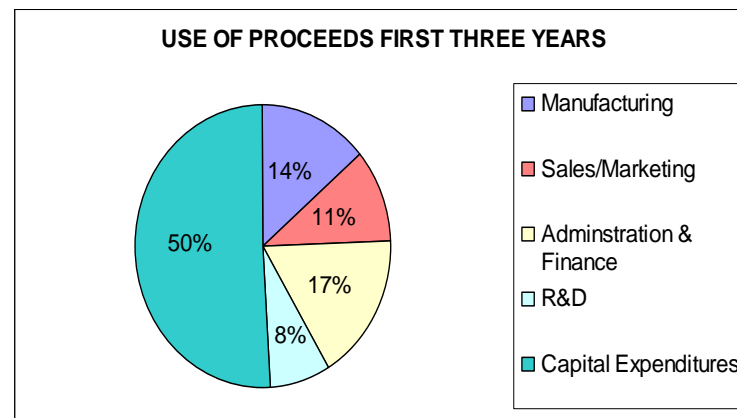
- **Two Patents** – Worldwide exclusive license, trade secrets, gen II technology in development.
- **Reduced silicon** requirement in module resulting in **lower cost-per-watt**.

## • Investment Needs

- **\$12.8 million Series “A”**.
- **\$8,550,000** raised to date.

## • Exit Strategy

- **Likely acquisition or IPO in 3-5 years.**



Thank You