

Stock Ticker: QSPW



Will solar power our future?



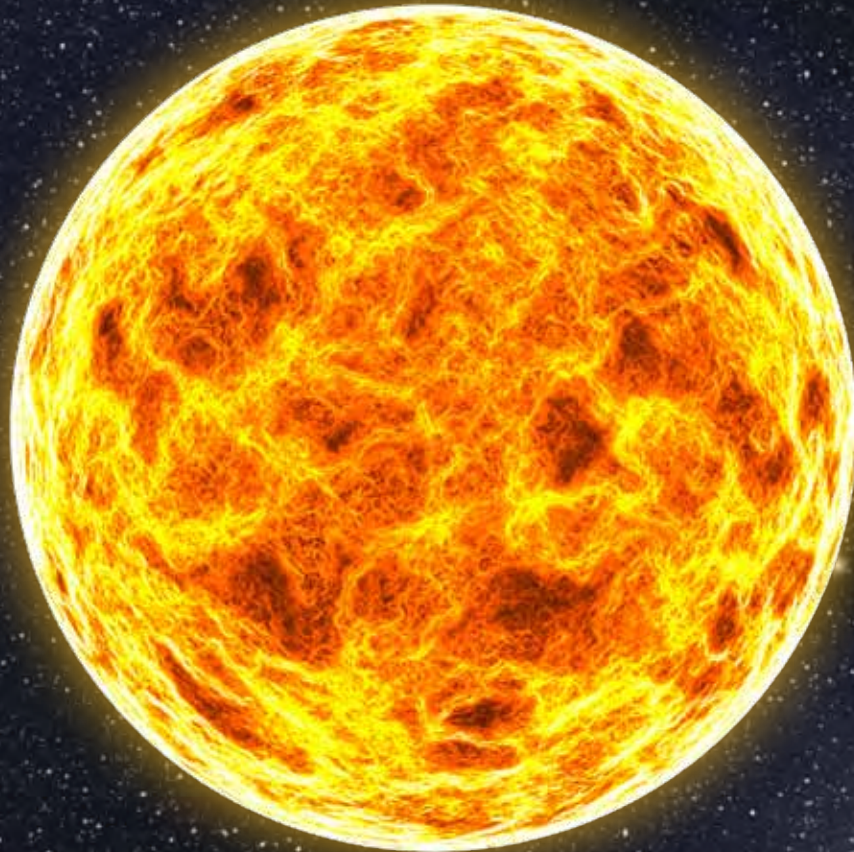
The future of energy depends on reaching the “holy grail” of electricity generation — finding a cheaper alternative to coal-fired plants.

Coal generated electricity currently provides 40% of the global electricity supply and is growing. China, for example, is building one new coal-burning plant a week. On average coal-fired electricity costs a mere \$0.10/kWh. The current average for solar PV is \$0.16/kWh (sunny climate/industrial). Solar electricity accounts for less than 1% of the global electricity supply.

Every day the sun delivers
more energy than we
consume in a year.

Energy The Sun Provides
in one hour

Energy We Need
in one year



Quantum NGD™ Value Proposition		
Current PV	Coal	NGD™
\$0.16/kWh	\$0.10/kWh	\$0.10/kWh

Current PV based on Solarbuzz average for sunny climate as of 03/31/2011

NGD™ Cost Comparison		
	Module Cost (\$/watt)	Efficiency (PCE %)
Sunpower	\$1.71	22.0%
Yingli Solar	\$1.10	14.4%
First Solar	\$0.75	11.6%
Quantum NGD™	\$0.40	20%

First Solar & Yingli Solar numbers based on information on their corporate websites. Sunpower numbers based on www.streetinsider.com analysis. (03/31/11) Quantum's NGD™ numbers are based on projected results.

Given the energy available from the sun, solar energy is the clear choice in supplanting fossil fuels and supplying all of our future energy needs. Unfortunately current solar photovoltaic (PV) technologies are costly, inefficient and many rely on rare elements preventing them from ever achieving worldwide implementation...until now.

Quantum Solar Power Corp. is currently developing its NGD™ solar PV technology to address the three main barriers to global solar power implementation. The NGD™ device has the potential to:

- Obtain higher efficiencies than leading solar technologies
- Achieve lower cost/watt than leading solar technologies
- Overcome limitations inherent in many solar technologies' use of rare elements



Quantum's technology has the potential to reach 20-30% power conversion efficiencies

NGD™ could match the cost/kWh of coal

NGD™ is free of rare, toxic elements that prevent other solar technologies from reaching global deployment

Quantum wholly owns all the intellectual property associated with NGD™

NGD™ is manufactured using current tools and methods

What makes Quantum's NGD™ technology different?

Traditional Solar PV Design

Conventional photovoltaic (PV) technologies share the same fundamental concepts. A typical solar cell will contain one or more light-absorbing semiconductor absorbers arranged so that a charge-separating junction is formed. Sunlight passes through a glass coating, past the anti-reflective barrier and is absorbed by the semiconductor layer. The incoming energy is used to create positive and negative charges, which are sent to opposite contacts, leading to current flow in the circuit. As sunlight increases, more charges are created and more current flows. This, in combination with output voltage, determines the power produced by the solar cell.

Traditional PV designs are limited by three key factors. Photovoltaic cells that use abundant materials (Si) are expensive to manufacture (high efficiency but high cost). Less expensive PV (thin -film) is unable to achieve the higher efficiencies of Silicon PV (low cost but low efficiency). The third limiting factor is the use of rare and toxic materials in the design of many PV designs, preventing them from ever achieving terawatt (global) scale implementation.

Quantum's NGD™

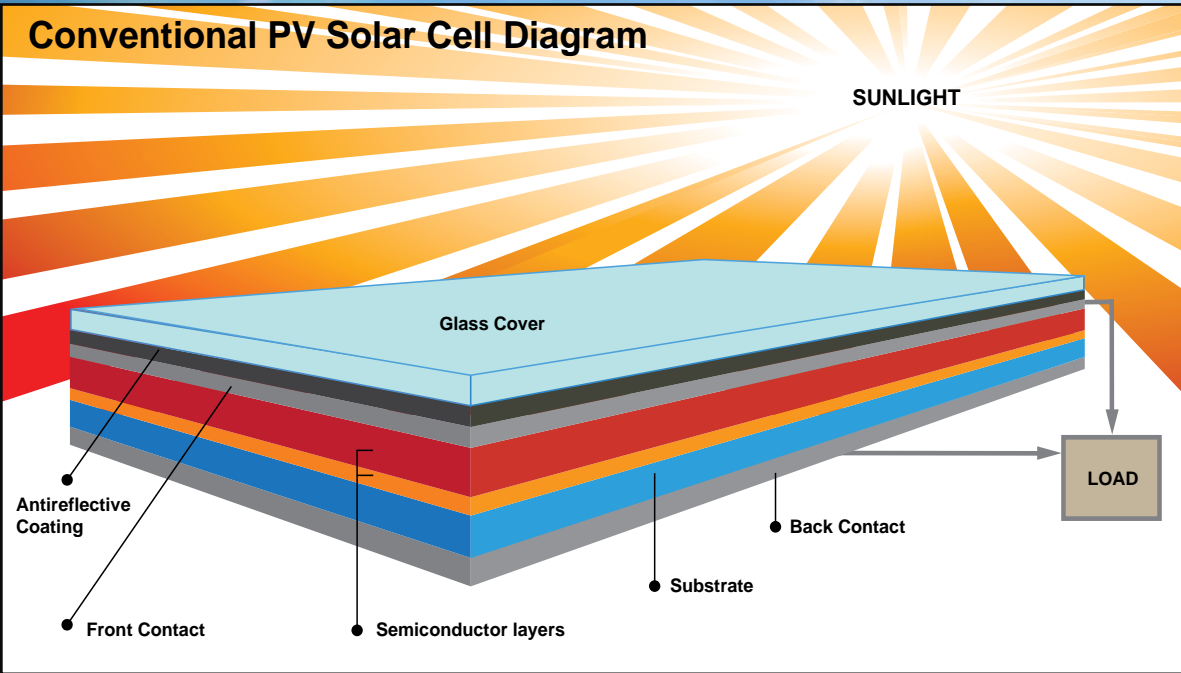
NGD™ technology avoids using a semiconductor absorber, significantly reducing production costs and eliminating reliance on expensive silicon components. The unique patent-pending NGD™ charge separation system provides broadband response (full spectrum of light) while avoiding the use of Gallium, Tellurium or Indium — elements that limit large-scale deployment of traditional PV.

Quantum's scientific team has taken a radical new approach to the development of photovoltaic design. The NGD™ device has the potential to obtain higher efficiencies at a lower cost per kilowatt/hour than coal without using any rare elements.

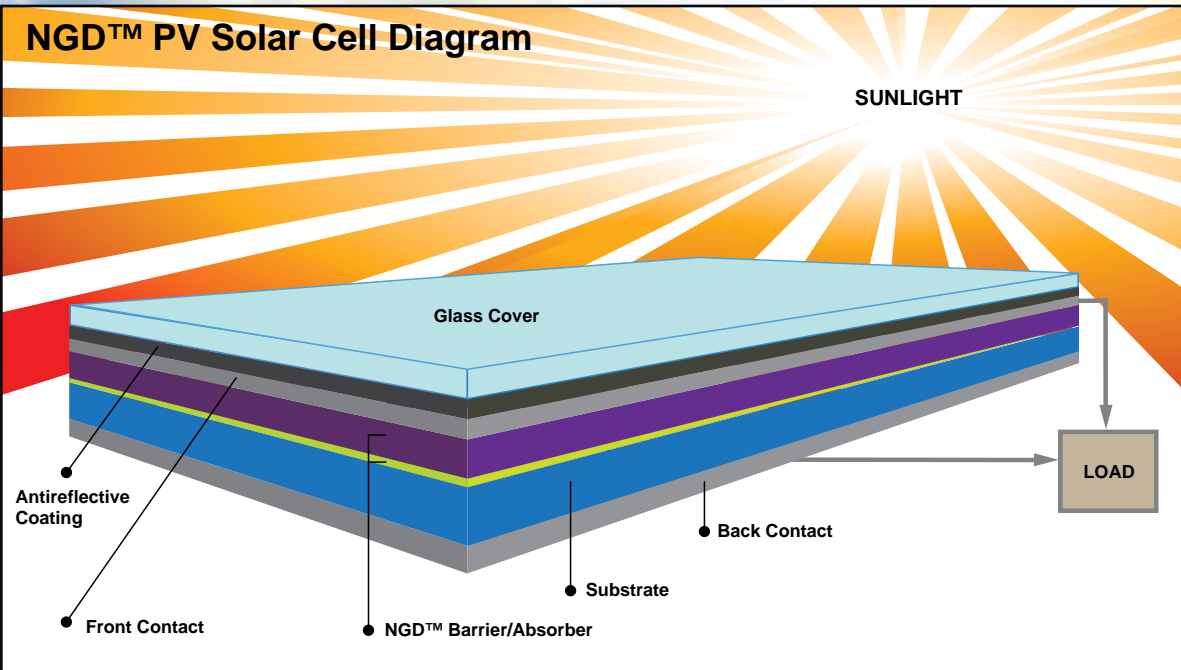
Solar PV Technology Attributes			
	Silicon (Si)	Thin-film	NGD™
Efficiency	High ✓	Low ✗	High ✓
Cost	High ✗	Low ✓	Low ✓
Materials Availability	High ✓	Low ✗	High ✓

Once realized, only Quantum's NGD™ may have the correct combination of attributes to become the "holy grail" technology the solar industry needs to overcome fossil fuel dependencies.

Conventional PV Solar Cell Diagram



NGD™ PV Solar Cell Diagram



Investor Information

Trading Symbol: **QSPW (OTCBB)**

Shares outstanding: **\$146M**

Market Cap: **\$292M**

CEO/Director: **Daryl J. Ehrmantraut**

CFO/Director: **Graham Hughes**

CTO: **Andras G. Pattantyus-Abraham**

Status: March 31, 2011

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