

CORPORATE HEADQUARTERS

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INDUSTRY: Renewable Energy/Solar

FINANCIAL SUMMARY (as of 12/01/09):

Ticker: Hague Corp. (OTC BB:HGUE.OB)
Fiscal Year End: June 30
Price per share: \$0.13
52-wk high/low: \$0.05/\$0.50 per share
Av. volume (10-day): 74,200 shares
Shares outstanding: 76,725,167 shares
Market cap: \$10.00 million

MANAGEMENT TEAM

Stephen Squires, *President and CEO*
David Doderer, *Vice President*

INVESTOR RELATIONS

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Why Solterra's Solar Cell converts sunlight to electricity at a manufactured cost near \$1 per watt; other solar cells cost more than \$4 per watt -

Unlike traditional photovoltaic cells, Solterra's thin film Quantum Dot Solar Cells can achieve a dramatically lower cost per watt because the company manufactures its own quantum dots using a patent pending process that can produce tetrapod quantum dots at a cost savings in excess of 95%.

Building on the value of the high quality quantum dots, Solterra uses low-cost screen printing and/or inkjet techniques applied to inexpensive substrates at high production rates to keep costs as low as possible.

Combined with minimal material costs and efficient production, the Quantum Dot Solar Cells are tunable and have the ability to harvest energy in the full solar spectrum, not just in the visible range available to conventional silicon solar cells. Finally, quantum dots have the potential for conversion efficiencies over 60%, and can bring electricity at grid prices to reality.

SOLTERRA RENEWABLE TECHNOLOGIES AT-A-GLANCE

Solterra Renewable Technologies is the marketer and manufacturer of proprietary quantum dot semiconductors that are used in solar cells to create electricity. Solterra purchased the rights to this revolutionary technology from Rice University, Houston.

Solterra plans to market a film incorporating its proprietary quantum dot semiconductors that will be used in solar cells. In addition, it will manufacture and market quantum dots for electronic, tagging and medical applications.

MAJOR SOLAR CELL INNOVATIONS

Solterra's technology makes solar cells cheaper and more efficient in two ways: its proprietary quantum dots are more efficient and cheaper than existing quantum dots and its photovoltaic manufacturing process for making solar cells from quantum dots uses film rather than expensive silicon.

Tetrapod Quantum Dots: Tetrapod quantum dots are "megamolecules" of semiconductor materials that are smaller than living cells. Unlike the quantum dots currently sold on the market for \$2,000 a gram, Solterra's quantum dots are more efficient at converting sunlight into electricity.

Proprietary solar-cell manufacturing technology:

Solterra manufactures solar cells chemically from its quantum dots without using expensive silicon or scarce rare earth components, such as indium or gallium. The company prints its tetrapod quantum dots onto film, using a simple well-established, high-throughput process. The film when exposed to the sun creates a photovoltaic reaction that converts sunlight into electricity.

LICENSING AGREEMENT WITH RICE UNIVERSITY

In October 2008, Solterra signed a worldwide exclusive licensing agreement with the William Marsh Rice University, Houston, which broadly covers the manufacture and sale of quantum dot-based photovoltaic cells and the manufacture and sales of quantum dots for electronic and medical applications.

The Rice process produces same-sized particles, in which more than 90 percent are tetrapods; previously even in the best recipe less than 50 percent of the prepared particles were tetrapods.

Furthermore, the Rice process uses much cheaper raw materials and fewer purification steps. A positively charged molecule called cetyltrimethylammonium bromide provides this drastic improvement in tetrapod manufacture. This compound, found in some shampoos, also is 100 times cheaper than alkylphosphonic acids currently being used and is far safer, further simplifying the manufacturing process.

GROWTH STRATEGY

Two-pronged business strategy: The markets for quantum dots are vastly different than the markets for Solterra solar cells.

Solterra has initiated its operations by marketing its quantum dot production at a cost of \$1,000 a gram vs. the \$2,000 a gram charged by others, to research and development laboratories. It sees a strong demand for this product from R&D arms of manufacturers of electric light bulbs, electronic equipment, particularly screens for computers, TV, advertising displays as well as a variety of medical uses.

Solterra's solar cell manufacturing operations, which is expected to be launched in 2010, will be selling its production to manufacturers of solar panels. There are some 25 companies and the demand for solar cells currently exceeds the supply. Implementation of global "20% of energy by renewables by 2020" goals will send demand for solar dramatically upward.

MARKET OPPORTUNITY

The solar industry has grown steadily as costs for solar systems decline in the expanding markets for renewable energy. Since the late 1990s, the market for solar energy has grown at an annual rate of 20%.

The solar industry estimates that growth rates above 25% annually are possible, resulting in a \$27 billion market by 2020. With technological innovations lowering costs and increased market growth leading to new jobs and export opportunities, solar energy can become a major high-tech growth industry that contributes significantly to the nation's economic growth and improves its trade balance.

Because of the unique properties of quantum dots, new market opportunities are opening up. Using quantum dots, screens for computers, televisions, advertising displays, cell phones and other electronic devices can produce clearer, sharper pictures at less cost. In addition, there are medical uses, such as biomarkers, which have tremendous potential in deepening the understanding of diseases including cancer and innovating new and dramatically better treatments.

"I will invest \$150 billion over the next ten years in alternative sources of energy like wind power, and solar power, and advanced biofuels – investments that will create up to five million new jobs that pay well and can't be outsourced..."

President-Elect Barack Obama,
June 28, 2008

EXPERIENCED MANAGEMENT TEAM

Stephen Squires, President & CEO. has more than 25 years experience in advanced materials and technologies. Prior to Solterra, Stephen was at McDonnell Aircraft developing and adapting advanced materials for combat aircraft applications. He was also CEO of Aviation Composite Technologies Inc., which he grew to more than 200 employees and \$20 million in revenue. USDR Aerospace acquired ACT in 2001.

David Doderer, Vice President, has more than 15 years of research and development experience in emerging technologies, including biotechnology, nanotechnology and quantum physics. Most recently served as principal investigator for a public defense company, he co-authored numerous patents/patents pending and proprietary processes, and managed Hudler Titan LLC, a technology consulting company.

Ghassan E. Jabbour, PhD, Chief Science Officer, is a Professor of Chemical and Materials Engineering at Arizona State University since 2006. He was selected to the Asahi Shimbun 100 New Leaders of the USA and has received the Presidential Award for Excellence from the Hariri Foundation in 1997. He has authored and co-authored more than over 300 publications.



Michael S. Wong, PhD, a member of the Solterra board of directors, Principal Investigator, Assoc. Professor, Chemical and Biomolecular Engineering, Assoc. Professor, Chemistry, Rice University, developed the technology used to create Solterra's quantum dots. He has a B.S. in Chemical Engineering from Caltech, an M.S. in Chemical Engineering Practice from MIT and a Ph.D. in Chemical Engineering from MIT.

COMPANY TIMELINE

- Oct. 2007 Stephen Squires created company to take advantage of scientific advances in solar cell technology.
- Oct. 2008 Solterra secured a worldwide licensing agreement with the William Marsh Rice University, Houston, for the manufacture and sales of quantum dots for photovoltaic cells and for electronic and medical applications.
- Nov. 2008 As a result of a reverse merger, Solterra became a publicly traded security as a subsidiary of Hague Corp. OTBB:HGUE.
- Nov. 2008 Professor of Chemical and Materials Engineering Ghassan E. Jabbour of Arizona State University is named Chief Science Officer.