



**EUROPEAN ENERGY
VENTURE FAIR 2007**

Starburst Solar Ltd.

European Energy Venture Fair
September 17-18th 2007
Zürich, Switzerland

Starburst Solar Ltd. - General

- **Specialist manufacturer of innovative solar cells**
- **Focus on higher value applications**
 - **concentrator applications**
 - **building integrated PV**
- **Spin-out from the UK's New and Renewable Energy Centre (NaREC)**
- **Unique relationship with NaREC's world leading Photovoltaic Technology Centre (PVTC)**
- **Strong customer base worldwide**
- **Seeking funding for rapid expansion**



Starburst Solar Ltd. – Technology and Product

- **Based on laser grooved buried contact process,**
 - well proven base technology,
 - enhanced with proprietary innovation and development
- **Starburst solar cells vs. screen printed cells:**
 - 20% more efficient
 - higher current carrying capacity
 - cost of manufacturing will equal screen printed cells
- **THEREFORE particularly suitable for:**
 - concentrator solar cells 20x,50x,100x
 - other demanding applications
- **Manufacturing process is highly flexible and efficient,**
 - fast prototyping of new designs
 - low cost volume manufacturing,
 - reduced time to market for customers
- **Unique pipeline of further developments via relationship with NaREC's PVTC**



Starburst Solar Ltd. - Market

- **Initial target**
 - **Centralized power plants- \$500m pa**
- **The total addressable market by 2010 estimated to be \$7bn pa**
 - **\$2bn centralized power plants**
 - **\$5bn building integrated**
 - **other high efficiency applications**
- **Already supplying to 12 customers for use in concentrator and high efficiency products**
- **Demand for Starburst Solar Cells far outstrips current ability to supply**



Starburst Solar Ltd. - Management

- **CEO (recruitment in progress)**
Acting CEO - Andrew Mill CEO of NaREC and former MD of EMEC
- **COO – Gordon Whyte**
Over 20 years international experience in high tech sector
Successful track record of establishing new manufacturing organisations and expanding them through to high volume
- **CTO – Dr Tim Bruton**
Recognised as a key player in the global PV scene
Over 20 years with BP Solar - head of silicon R&D function
Provided PV expertise to European Commission, DTI and EPSRC
- **FD – (recruitment in progress)**
Acting FD – Richard Marr, FD of NaREC, 10 years PWC

Starburst Solar Ltd. – Business Model / Financial

- **Business model - manufacturing and sale of Starburst Solar Cell**
- **Currently selling in small quantities at a premium price in advance of full scale manufacturing being established**
- **First phase of expansion**
 - **50MW@10x concentration manufacturing plant with expansion capability for up to 100MW@10x concentration**
- **50MW@10x capacity will enable:**
 - **2m processed wafers per annum**
 - **Potential revenue in excess of \$30m per annum**
- **Long term agreements being negotiated with suppliers and customers to secure:**
 - **Silicon wafer supply and pricing**
 - **Demand for initial capacity**

Starburst Solar Ltd. – Funding Requirements

- Seeking to raise up to £10m to support the first phase of expansion
- **Priorities will be:**
 - **Construction of a 50MW@10x production facility in the UK with infrastructure to expand to 100MW@10x with further investment**
 - **Expansion of leadership team**
 - **Expansion of sales and sales support team**
- **Continued product development with focus on further enhancement of capabilities for deployment in:**
 - **Concentrator applications**
 - **Building integrated PV**
 - **High efficiency applications**
- **Exit**
 - **Trade sale or IPO**

- **Contact information**

Gordon Whyte

Chief Operating Officer Starburst Solar Ltd.

Email: gordon.whyte@narec.co.uk

Phone: +44 (0)1670 357324

Mobile: +44 (0)7912479610