

PRESS RELEASE

FOR IMMEDIATE RELEASE

BTU International and DEK International Announce Strategic Partnership to Furnish Turnkey Solar Cell Metallization Solutions

BTU drives lowest cost-per-watt process

NORTH BILLERICA, Mass., Aug. 31, 2007—BTU International, Inc. (Nasdaq: BTUI), a leading supplier of advanced thermal processing equipment for the electronics manufacturing and alternative energy markets, today announced the formation of a strategic partnership with DEK International, a business of Dover Corporation, a leading provider of printing equipment and processes for the high accuracy mass imaging of electronic materials. The BTU and DEK partnership will provide complete in-line metallization process solutions to photovoltaic (PV) manufacturers.

This significant alliance combines DEK International's next generation printing technologies and handling solutions with BTU International's high performance drying and firing technologies to form a complete turn-key metallization line for solar cells. This broadens BTU's product offerings to the solar industry, which also includes integrated in-line diffusion and anti-reflective coating systems.

"Our goal is to offer our customers the lowest cost per watt process. The partnership with DEK will allow us to deliver powerful, total solutions to our global PV customers" said Paul van der Wansem, BTU chairman and CEO. "Our proven thermal expertise in combination with DEK's acclaimed printing capabilities will insure that customers receive optimum process control and maximum product throughput."

"BTU and DEK both hold technology leadership positions, creating a rare opportunity to create a powerful, synergistic partnership to serve the photovoltaic industry," van der Wansem explained. "By combining our distinct skill sets and global footprints, BTU and DEK, in partnership, will generate high throughput process results and deliver strong service and support to customers around the world."

DEK CEO John Hartner agrees: "This new partnership has raised the bar in terms of productivity and throughput to deliver a distinct cost of ownership advantage for today's photovoltaic manufacturers. An intrinsic part of our 'Expect More' philosophy, this alliance is an ideal foundation from which to drive down the unit cost of solar cells and increase the commercial viability of alternative energies. We are delighted to be teaming up with BTU, and look forward to building on our collective experience in this industry to deliver a complete solar cells manufacturing solution for our customers around the world."

Both BTU and DEK will exhibit in the BTU booth G-26, Hall 16, at the 22nd European Photovoltaic Solar Energy Conference and Exhibition, being held from September 3 – 7, in Milan, Italy.

About BTU International

BTU International is a market-leading, global supplier of advanced thermal processing equipment to the electronics manufacturing and alternative energy generation markets. BTU equipment is used in the production of printed circuit board assemblies and semiconductor packaging as well as in solar cell, nuclear fuel and fuel cell manufacturing. BTU has operations in North Billerica, MA and Shanghai, China with direct sales and service in the USA, Asia and Europe. Information about BTU International is available at www.btu.com

About DEK International

DEK is a global provider of advanced pre-placement manufacturing solutions and innovative deposition technologies for a wide range of electronic materials. For more information, visit DEK at www.dek.com.

“Safe Harbor” Statement under the Private Securities Litigation Reform Act of 1995

This news release contains express or implied forward-looking statements regarding, among other things, (i) the company’s expectation for a successful partnership with DEK International, (ii) the company’s expectation for being able to deliver a cost of ownership advantage to its customers, and (iii) the company’s expectation for business in the Electronics Manufacturing and Alternative Energy markets. Such statements are neither promises nor guarantees but rather are subject to risks and uncertainties, which could cause actual results to differ materially from those described in the forward-looking statements. Such statements are made pursuant to the “safe harbor” provisions established by the federal securities laws, and are based on the assumptions and expectations of the company’s management at the time such statements are made. Important factors that could cause actual results to differ include the timely availability and acceptance of new products, general market conditions governing supply and demand, the impact of competitive products and pricing and other risks detailed in the company’s filings with the Securities and Exchange Commission, including but not limited to the company’s Quarterly Report on Form 10-Q for the quarter ended July 1, 2007. Actual results may vary materially. Accordingly, you should not place undue reliance on any forward-looking statements. All information set forth in this press release is as of August 31, 2007, and, unless otherwise required by law, the company disclaims any obligation to revise or update this information in order to reflect future events or developments.

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