



**United Solar Ovonics Laminates Power Alcoa's
Kawneer Facility in California**

*The 588KW UNI-SOLAR® roof-mounted solar power system demonstrates
the merits of harnessing energy from the sun to generate electricity
on an industrial scale*

AUBURN HILLS, Mich., Aug. 31, 2007 – United Solar Ovonics, a wholly owned subsidiary of Energy Conversion Devices, Inc. (Nasdaq: ENER), announced today the installation of more than 4,300 of UNI-SOLAR® thin-film photovoltaic (PV) laminates to power Alcoa's Building and Construction Systems' Kawneer manufacturing facility in Visalia, California. The UNI-SOLAR laminates will provide approximately 80 percent of the 200,000 square-foot facility's electricity needs during periods of highest demand on the electricity grid.

"This is another important illustration of the potential of UNI-SOLAR products in large-scale commercial installations," said Subhendu Guha, president and chief operating officer of United Solar Ovonics. "These installations benefit our customers, and they benefit the environment. We are gratified to help lead the growing movement toward the increased use of renewable sources of energy."

"UNI-SOLAR panels were a good fit for this particular project," said David Schlendorf, president, Alcoa Building and Construction Systems.

Schlendorf continued: "This solar power project increases California's supply of clean and reliable renewable energy. Alcoa is committed to implementing sustainable energy solutions and is dedicated to supporting alternative energy supply options that benefit our key stakeholders - including our employees, communities, customers and suppliers."

Alcoa partnered on the project with DEERS, a global solar power project developer and owner of the DEERS Solution™, the patent pending solar roof top attachment system, and Constellation Energy Projects & Services (CEPS), which constructed and will own and operate the solar system. Alcoa agreed to host the new solar power system and purchase the electricity generated.

The Alcoa project is owned and operated by Constellation Energy Projects & Services, which is currently developing and constructing several solar photovoltaic projects – similar to the size and scope of the Alcoa project – in the United States.

About United Solar Ovonic

United Solar Ovonic, building on technology invented and pioneered by ECD, is the world leader in thin-film amorphous photovoltaics. Because of characteristics unique to the United Solar Ovonic solar cell technology, such as lightweight, ruggedness and flexibility, it is ideal as building-integrated photovoltaic roofing systems for residential and industrial customers. ECD and United Solar Ovonic hold the basic patents covering the continuous roll-to-roll manufacturing of thin-film amorphous-silicon alloy multi-junction solar cells and related products. More information is available at www.uni-solar.com.

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This release may contain forward-looking statements within the meaning of the Safe Harbor Provisions of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements are based on assumptions which ECD, as of the date of this release, believes to be reasonable and appropriate. ECD cautions, however, that the actual facts and conditions that may exist in the future could vary materially from the assumed facts and conditions upon which such forward-looking statements are based. The risk factors identified in the ECD filings with the Securities and Exchange Commission, including the company's most recent Annual Report on Form 10-K, could impact any forward-looking statements contained in this release.

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