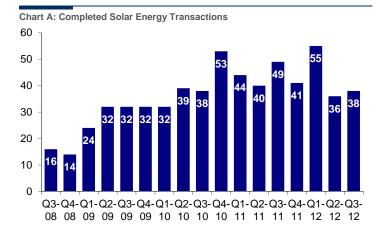


## Q3 2012 Deal Volume Comparison

Third Quarter 2012



## Announcements

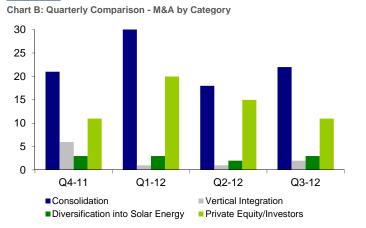
- JMB Energie Group acquired Aerowatt (ENXTPA:ALWAT) (September-12)
- ReneSola Ltd. (NYSE:SOL) acquired Lucas Est S.R.L. (September-12)
- Covema S.A.C.I.F. acquired Inventux Technologies AG (August-12)
- GASCOM Renew Spa acquired Premier Power Renewable Energy, Inc. (OTCPK:PPRW) (July-12)

Sources: All information contained in this newsletter including the charts was obtained from company websites, Lincoln International's internal data and Capital IQ. There were 38 completed solar energy transactions in Q3 2012 compared to 49 in Q3 2011. This number is a slight improvement from the 36 transactions recorded in Q2 2012. While the volume of transaction activity has declined from its peak in Q1 2012, the level of deal activity remains robust as the industry continues consolidating.

DEAL READER

Within solar energy transactions, consolidation represented 58% of transactions, or 22 deals in Q3 2012. The next largest category was investment by private equity/investors with 11 transactions, or 29% of the Q3 2012 total. Diversification into the solar energy industry by corporations and investors accounted for three transactions in Q3 2012, or 8% of the total while vertical integration reported two transactions in the quarter, or 5% of the total.

In Q3 2012, 50% or 19 of the 38 total transactions occurred in Europe. This represents a 3% decrease from Q2 2012, which also recorded 19 transactions out of a total of 36. U.S. / Canada exhibited an increase in activity recording 11 transactions or 29% of the total in Q3 2012, which is four more than the seven recorded in Q2 2012. Cross-border transactions and Asia accounted for six and one transactions, or ~15% and 3%, respectively. Additionally, South America recorded a single transaction during Q3 2012 which represented 3% of the total.



SOLAR ENERC

In addition, there were 25 transactions for solar energy producers, or 66% of the total, which is slightly lower than the 26 recorded in Q2 2012. This quarter there were five acquisitions of companies categorized as EPC integrators / developers, or 13% of the total transaction volume. There were four transactions for cells / modules producers, or ~10% of total activity, while companies categorized as providers of equipment for solar accounted for three transactions, or 8% of the Q3 2012 total. Finally, there was one transaction for companies categorized as vertically integrated, or 3% of the total. No transactions categorized as wafer / ingot producers were recorded during the quarter.

Transaction activity remained relatively flat over the past quarter with consolidation for producers of solar power remaining the primary source of deal activity. The Federal Energy Regulatory Commission's Office recently issued a report stating that solar and wind projects accounted for all new U.S. electricity generated in the month of September. Given this exhibition of the demand for renewable energy combined with the declines in solar panels making it more affordable, the solar industry could be gaining momentum. This could result in further transaction growth and opportunity.

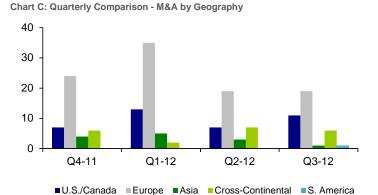
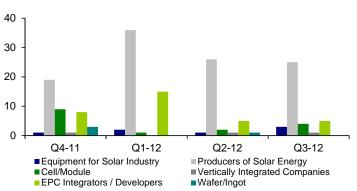


Chart D: Quarterly Comparison - M&A by Sector of Target Company



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## Margin Performance in the Solar Energy Industry

measures from FY 2011 to LTM Q3 2012.

The cells/modules companies' margins

generally remained stable across all

measures, with slight improvement in

operating margin. The EPC integrators/

developers had stable gross margin and

operating margin, while EBITDA margin

companies showed stable gross margin and

improved. Finally, the wafers/ingots

margin.

Overall, the wafers/

ingots companies

had the highest

**EBITDA** margins

operating and

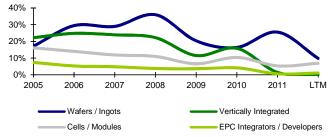
The uncertainty in many global solar markets combined with continued declines in panel prices from a global oversupply have caused solar energy companies' margins to decline across all sectors. However, certain sectors are now beginning to see slight margin improvements.

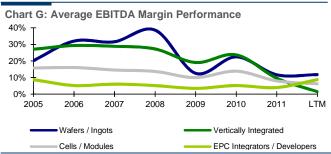
The three graphs below provide an overview of gross margin, operating income margin, and EBITDA margin performance from 2005 through today. Each graph shows the margin performance by sector within the solar energy industry.

In terms of margin performance, vertically integrated companies saw declines across all

Chart E: Average Gross Margin Performance 50% 40% 30% 20% 10% 0% 2006 2007 2008 2005 2009 2010 2011 I TM Wafers / Ingots Vertically Integrated Cells / Modules EPC Integrators / Developers







Lincoln International's Renewable Energy Group is led by a former CEO of a public

company. The firm's Renewable Energy team provides transactional, financial and

strategic advisory services to renewable energy companies and private equity

groups with an interest in the renewable energy space.

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EBTIDA margin but a decline in operating companies moving downstream to development are beginning to show some margin enhancement. Gross Operating (I TM) Margin GCL-Poly Energy Holdings Ltd. 19.4% DK Solar Co., Ltd. na MEMC Electronic Materials Inc. 10.1% PV Crystalox Solar plo na

PV Crystalox Solar pic	na	9.8%	11.7%
ReneSola Ltd.	na	na	na
Average Wafers / Ingots	14.8%	9.8%	16.3%
aleo solar AG	9.4%	na	na
Canadian Solar Inc.	7.4%	na	na
Centrosolar Group AG	28.1%	na	na
China Sunergy Co. Ltd.	na	na	na
Delsolar Co. Ltd.	na	na	na
E-Ton Solar Tech. Co., Ltd.	na	na	na
First Solar, Inc.	23.6%	6.9%	16.0%
Gintech Energy Corporation	na	na	na
Hanwha SolarOne Co., Ltd	na	na	na
JA Solar Holdings Co., Ltd.	0.3%	na	na
Motech Industries, Inc.	na	na	na
Solar-Fabrik AG	15.5%	na	1.5%
Solaria Energía y Medio Ambiente, S.A.	na	na	na
SunPower Corporation	11.1%	na	1.0%
Suntech Power Holdings Co. Ltd.	7.7%	na	na
Average Cells / Modules	12.9%	6.9%	6.2%
JinkoSolar Holding Co., Ltd.	6.2%	na	na
Renewable Energy Corporation ASA	45.1%	na	1.4%
SolarWorld AG	11.7%	na	na
Trina Solar Limited	9.0%	na	na
Yingli Green Energy Holding Co. Ltd.	7.1%	na	na
Average Vertically Integrated	18.2%	na	1.4%
Aión Renewables SpA	16.2%	1.0%	8.7%
Conergy AG	15.4%	na	na
Phoenix Solar Aktiengesellschaft	0.7%	na	na
Real Goods Solar, Inc.	25.5%	na	na
SAG Solarstrom AG	14.9%	na	na
Average EPC Integrators / Developers	14.5%	1.0%	8.7%

while vertically integrated companies

exhibited the highest gross margins.

However, vertically integrated companies had

the lowest EBITDA margins indicating larger

levels of overhead needed to support the

vertically integrated model. Cells/modules

margins overall as well, largely due to the

Margin

9.8%

na

na

9.8%

EBITDA

Margin

20.9%

117%

na

na

companies are exhibiting lower EBITDA

global panel oversupply. However,

## About Lincoln International

Lincoln International specializes in merger and acquisition advisory services, debt advisory services, private capital raising and restructuring advice on mid-market transactions. Lincoln International also provides fairness opinions, valuations and pension advisory services on a wide range of transaction sizes. With thirteen offices in the Americas, Asia and Europe, Lincoln International has strong local knowledge and contacts in key global economies. The firm provides clients with senior-level attention, in-depth industry expertise and integrated resources. By being focused and independent, Lincoln International serves its clients without conflicts of interest. More information about Lincoln International can be obtained at www.lincolninternational.com.

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