

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

DATE OF REPORT (DATE OF EARLIEST EVENT REPORTED):
NOVEMBER 9, 2009

ENTECH SOLAR, INC.

(Exact Name of Registrant as specified in charter)

Delaware	0-16936	33-0123045
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(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)

13301 Park Vista Boulevard, Suite 100, Fort Worth, Texas 76177
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: 817/ 379-0100

N/A

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b)) Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

ITEM 2.02. RESULTS OF OPERATIONS AND FINANCIAL CONDITION.

On November 9, 2009, Entech Solar, Inc. (the "Company") issued a press release (the "Press Release") announcing its results of operations and financial condition for the third quarter ended September 30, 2009. A copy of the press release is attached hereto as Exhibit 99.1 and is incorporated into this Item 2.02 by this reference.

The information contained in this Item 2.02, including the related information set forth in the Press Release attached hereto and incorporated by reference herein, is being "furnished" and shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise. The information in this Item 2.02 shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Act of 1933, as amended, or into any filing or other document pursuant to the Exchange Act, except as otherwise expressly stated in any such filing.

ITEM 9.01 - FINANCIAL STATEMENTS AND EXHIBITS.

Exhibits

99.1 Press Release dated November 9, 2009.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ENTECH SOLAR, INC.

By: /s/ Sandra J. Martin

Sandra J. Martin
Chief Financial Officer

Dated: November 9, 2009

EXHIBIT 99.1

[ENTECH SOLAR, INC. LOGO -- GRAPHIC OMITTED]

ENTECH SOLAR ANNOUNCES 2009 THIRD QUARTER RESULTS

FORT WORTH, TX - November 9, 2009 - Entech Solar, Inc. (OTC BB: ENSL.OB) (the "Company" or "Entech Solar"), with plans to become a leading developer of renewable energy technologies, today announced its financial results for the quarter ended September 30, 2009.

THIRD QUARTER OPERATIONAL HIGHLIGHTS

- **ThermaVolt II:** The Company completed the assembly and test of multiple working modules using its proprietary concentrating photovoltaic (PV) and thermal technology, and has started the next crucial phase in the product's development - design-verification-testing (DVT). DVT allows Entech Solar's engineers and scientists to test and validate the performance and quality of the modules prior to the commencement of independent third-party product certification. ThermaVolt II modules, which produce both electricity and hot water, have the same length and width dimensions (form factor) as industry-standard PV modules.

- **SolarVolt II:** Entech Solar announced plans to develop an electricity-only concentrating photovoltaic solar module. With a form factor similar to the ThermaVolt II module, this Concentrated Power Product (CPP) offers customers large-scale utility solutions.

- **Tubular Skylight Lighting Solution:** The Company completed the critical design review of its patented lighting solution product and the development of its go-to-market commercialization strategy. Product certification has started with independent third-party testing laboratories. The Company plans to begin selling this product in early 2010 with an initial launch in North Texas.

"I am pleased to update investors on Entech Solar's product development progress. We received positive comments on our ThermaVolt II prototype module that was recently on exhibit at Solar Power International, North America's largest solar industry conference in Anaheim, California," said Dr. Frank Smith, Chief Executive Officer.

"We continue to advance our products through critical development and gate reviews. We expect ThermaVolt II to offer a compelling value proposition to the multi-billion dollar U.S. combined heat and power market with its dual output of electricity and thermal energy, standard manufacturing and competitive price point. The Company's strategic goal is to be a leading developer of renewable energy technologies for the commercial, industrial and utility markets."

FINANCIAL RESULTS

As the Company completes its transition from the flat-plate solar installation business, revenues for the 2009 third quarter amounted to \$75 thousand, compared with \$6.5 million reported in the third quarter last year. The Company recorded a gross profit for the quarter ended September 30, 2009 of \$3 thousand, versus a gross loss of \$2.3 million in the prior-year period. The Company's net loss attributable to common shareholders for the third quarter of 2009 was \$4.7 million, or \$(0.02) per share, versus a comparable loss of \$7.4 million, or \$(0.03) per share in the third quarter of 2008.

As of September 30, 2009, the Company's cash and cash equivalents totaled \$4.8 million, \$2 million of which was provided by a related party loan from The Quercus Trust. This loan will be repaid upon completion of the previously announced rights offering.

CONFERENCE CALL

Entech Solar will host a conference call at 10:00 a.m. Eastern on November 9, 2009 for the quarter ended September 30, 2009. During the call, Frank W. Smith, Chief Executive Officer, and Sandy J. Martin, Chief Financial Officer, will review the Company's operations, business and financial matters. The telephone number for the conference call is 800-435-1261 domestically and 617-614-4076 internationally, with conference ID #69649664. A live webcast of the call will also be available on the company's website, www.entsolar.com.

The webcast will be archived on the site, and investors will be able to access an encore recording of the conference call for thirty days by calling 888-286-8010 domestically or 617-801-6888 internationally, with conference ID #21627169. The encore recording will be available two hours after the conference call has concluded.

ABOUT ENTECH SOLAR

Entech Solar, Inc. is a leading developer of renewable energy technologies for the commercial, industrial and utility markets. Entech designs concentrating solar modules that provide both electricity and thermal energy as part of its ThermaVolt product line and electricity-only as part of the SolarVolt product line. The Company also develops a state-of-the-art tubular skylight that provides superior light output and optical efficiency for the commercial and industrial green buildings initiatives. For more information, please visit www.entsolar.com.

FORWARD LOOKING STATEMENTS:

Except for historical information contained herein, this document contains forward-looking statements within the meaning of Section 21-E of the Securities Exchange Act of 1934. These statements involve known and unknown risks and uncertainties that may cause the Company's

actual results or outcomes to be materially different from those anticipated and discussed herein. Further, the Company operates in industries where securities values may be volatile and may be influenced by regulatory and other factors beyond the Company's control. Other important factors that the Company believes might cause such differences are discussed in the risk factors detailed in the Company's 10-K and its quarterly reports on Form 10-Q both as filed with the Securities and Exchange Commission, which include the Company's cash flow difficulties, dependence on significant customers, and rapid development of technology, among other risks. In assessing forward-looking statements contained herein, readers are urged to carefully read all cautionary statements contained in the Company's filings with the Securities and Exchange Commission.

ENTECH SOLAR MEDIA & INVESTOR RELATIONS CONTACT:

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-- Tables to Follow --

ENTECH SOLAR, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2009 AND 2008
(UNAUDITED)

(IN THOUSANDS, EXCEPT PER SHARE DATA)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2009	2008	2009	2008
Revenues:				
Contract	\$ 49	\$ 6,470	\$ 1,296	\$ 22,295
Equipment & Services	26	-	170	-
Related party	-	-	597	775
Related party - Former Chairman	-	-	125	-
Total	75	6,470	2,188	23,070
Cost of Revenues:				
Contract	35	8,768	862	29,922
Equipment & Services	37	-	59	-
Related party	-	-	601	673
Related party - Former Chairman	-	-	142	-
Manufacturing operations impairment	-	-	6,968	-
Total	72	8,768	8,632	30,595
Gross Profit (Loss):				
Contract	14	(2,298)	434	(7,627)
Equipment & Services	(11)	-	111	-
Related party	-	-	(4)	102
Related party - Former Chairman	-	-	(17)	-
Manufacturing operations impairment	-	-	(6,968)	-
Total	3	(2,298)	(6,444)	(7,525)
Operating Expenses:				
Selling, general and administrative expenses	2,516	4,308	12,983	13,801
Depreciation and amortization	719	778	2,179	2,027
Research and development expenses	1,653	43	3,828	140
Total Operating Expenses	4,888	5,129	18,990	15,968
Loss from Operations	(4,885)	(7,427)	(25,434)	(23,493)
Other income (expense)				
Beneficial conversion and warrant amortization	-	-	-	(50)
Interest income	-	30	78	392
Interest expense	(9)	-	(9)	-
Other income (expense)	99	-	103	-
Total other income (expense), net	90	30	172	342
Net Loss	(4,795)	(7,397)	(25,262)	(23,151)
Net Loss attributable to noncontrolling interest	58	-	254	-
Net Loss attributable to Entech Solar, Inc.	(4,737)	(7,397)	(25,008)	(23,151)
Accretion of preferred stock dividends - Series C	-	(9)	-	(18)
Preferred stock dividends - Series F	-	-	-	(15,512)
Net Loss attributable to Entech Solar, Inc. Common Shareholders	\$ (4,737)	\$ (7,406)	\$ (25,008)	\$ (38,681)
Net Loss attributable to Entech Solar, Inc. per Common Share (Basic and Diluted)	\$ (0.02)	\$ (0.03)	\$ (0.11)	\$ (0.19)
Weighted Average Common Shares Outstanding in Per Share Calculation (Basic and Diluted)	239,127	235,044	238,144	206,415

ENTECH SOLAR, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED BALANCE SHEETS
AS OF SEPTEMBER 30, 2009 AND DECEMBER 31, 2008
(IN THOUSANDS, EXCEPT SHARE AND PER SHARE DATA)

	September 30, 2009	December 31, 2008
	(UNAUDITED)	*
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 4,795	\$ 12,169
Accounts receivable - trade (net of allowance of \$152 and \$155 at September 30, 2009 and December 31, 2008, respectively)	252	1,971
Rebates receivable	-	115
Inventory (net of reserve of \$2,632 and \$1,112 at September 30, 2009 and December 31, 2008, respectively)	573	3,664
Costs and estimated earnings/losses in excess of billings	35	2,613
Escrow funds relating to contract performance	50	1,339
Prepaid expenses and deposits	314	964
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TOTAL CURRENT ASSETS	6,019	22,835
ADVANCES ON MACHINERY AND EQUIPMENT	-	2,285
PROPERTY AND EQUIPMENT, NET	3,075	5,969
INTANGIBLE AND OTHER ASSETS		
Other intangible assets, net	21,183	23,058
Goodwill	23,837	23,837
Other deposits	145	153
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TOTAL ASSETS	\$ 54,259	\$ 78,137
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LIABILITIES, CONVERTIBLE REDEEMABLE PREFERRED STOCK AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES:		
Accounts payable and accrued expenses	\$ 2,723	\$ 4,076
Note Payable - related party	2,000	-
Customer deposits - related party	-	1,023
Renewable Energy Credit guarantee liability, current portion	29	60
Series D Preferred Stock Warrants	1,394	1,394
Billings in excess of costs and estimated earnings/losses	94	760
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TOTAL CURRENT LIABILITIES	6,240	7,313
Renewable Energy Credit guarantee liability, net of current portion	180	180
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TOTAL LIABILITIES	6,420	7,493
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CONVERTIBLE REDEEMABLE PREFERRED STOCK		
Series C convertible redeemable preferred stock	-	170
Series D convertible redeemable preferred stock	11,180	11,180
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TOTAL CONVERTIBLE REDEEMABLE PREFERRED STOCK	11,180	11,350
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STOCKHOLDERS' EQUITY		
Preferred stock convertible \$.01 par value authorized 10,000,000; 5,503,968 issued and outstanding:		
Series B 7%- 611,111 shares liquidation preference \$550,000	6	6
Common stock, \$.001 par value; authorized 610,000,000 239,486,729 and 236,420,779 issued at September 30, 2009 and December 31, 2008, respectively; 239,458,861 and 236,392,911 shares outstanding at September 30, 2009 and December 31, 2008, respectively	239	236
Additional paid-in capital	170,433	167,979
Accumulated deficit	(133,896)	(108,888)
Treasury stock, 27,868 shares, at cost, as of September 30, 2009 and December 31, 2008, respectively	(39)	(39)
Noncontrolling Interest	(84)	-
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TOTAL STOCKHOLDERS' EQUITY	36,659	59,294
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TOTAL LIABILITIES, CONVERTIBLE REDEEMABLE PREFERRED STOCK AND STOCKHOLDERS' EQUITY	\$ 54,259	\$ 78,137
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* Derived from audited financial information