

LITHIUM TECHNOLOGY CORP
Form 10-Q
December 10, 2010

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-Q

(Mark One)

QUARTERLY REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934.

For the Quarterly Period ended June 30, 2010

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934.

For the transition period from _____ to _____

Commission File Number 1-10446

LITHIUM TECHNOLOGY CORPORATION

(Name of Issuer in Its Charter)

DELAWARE
(State or Other Jurisdiction of
Incorporation or Organization)

13-3411148
(I.R.S. Employer
Identification No.)

5115 CAMPUS DRIVE, PLYMOUTH MEETING, PENNSYLVANIA 19462
(Address of Principal Executive Offices) (Zip Code)

(610) 940-6090
(Issuer's Telephone Number, Including Area Code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Exchange Act of 1934 during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

APPLICABLE ONLY TO CORPORATE ISSUERS

State the number of shares outstanding of each of the issuer's classes of common equity, as of the latest practicable date: As of December 10, 2010, 1,887,173,002 shares of common stock.

LITHIUM TECHNOLOGY CORPORATION AND SUBSIDIARIES
FORM 10-Q
FOR THE QUARTER ENDED JUNE 30, 2010

INDEX

	Page
<u>PART I—FINANCIAL INFORMATION</u>	
<u>ITEM 1. FINANCIAL STATEMENTS</u>	
<u>Condensed Consolidated Balance Sheets—June 30, 2010 (Unaudited) and December 31, 2009</u>	3
<u>Condensed Consolidated Statements of Operations and Comprehensive Loss for the Three and Six Months Ended June 30, 2010 (Unaudited) and June 30, 2009 (Unaudited), respectively</u>	4
<u>Condensed Consolidated Statements of Cash Flows—for the Six Months Ended June 30, 2010 (Unaudited) and June 30, 2009 (Unaudited)</u>	5
<u>Notes to Condensed Consolidated Financial Statements—June 30, 2010 (Unaudited)</u>	6
<u>ITEM 2. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS</u>	18
<u>ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK</u>	26
<u>ITEM 4. CONTROLS AND PROCEDURES</u>	26
<u>PART II—OTHER INFORMATION</u>	
<u>ITEM 1. LEGAL PROCEEDINGS</u>	26
<u>ITEM 1A. RISK FACTORS</u>	26
<u>ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS</u>	27
<u>ITEM 3. DEFAULTS UPON SENIOR SECURITIES</u>	27
<u>ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS</u>	27
<u>OTHER INFORMATION</u>	27

ITEM

5.

ITEM EXHIBITS

6.

27

IndexPART I.
FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS

LITHIUM TECHNOLOGY CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED BALANCE SHEETS

	June 30, 2010 (unaudited)	December 31, 2009 (audited)
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 555,000	\$ 1,181,000
Accounts receivable, net	1,006,000	1,156,000
Inventories	1,209,000	1,819,000
Prepaid expenses and other current assets	82,000	68,000
Total current assets	2,852,000	4,224,000
Property and equipment, net	5,467,000	6,714,000
Related party receivables	-	294,000
Other assets	155,000	236,000
Total assets	\$ 8,474,000	\$ 11,468,000
LIABILITIES AND STOCKHOLDERS DEFICIT		
CURRENT LIABILITIES:		
Accounts payable	\$ 2,037,000	\$ 1,608,000
Accrued interest	1,982,000	2,112,000
Related parties debt	7,246,000	6,034,000
Current portion of long term debts	4,788,000	5,244,000
Other current liabilities and accrued expenses	2,309,000	2,289,000
Warrant liability	20,000	150,000
Total current liabilities	18,382,000	17,437,000
Long term debt	10,111,000	11,871,000
Total liabilities	28,493,000	29,308,000
COMMITMENTS AND CONTINGENCIES		
STOCKHOLDERS DEFICIT		
Total Preferred Stock Authorized 100,000,000		
Convertible Preferred stock B, par value \$.01 per share, authorized: 100,000; None issued and outstanding at June 30, 2010 and December 31, 2009		
	\$ -	\$ -
Convertible Preferred stock C, par value \$.01 per share, authorized; 300,000; None issued and outstanding at June 30, 2010 and December 31, 2009		
	-	-
Common stock, par value \$.01 per share, authorized - 3,000,000,000 at June 30, 2010 and December 31, 2009; issued and outstanding - 1,803,839,699 at June 30, 2010 and December 31, 2009		
	18,038,000	18,038,000
Additional paid-in capital	115,767,000	115,767,000
Cumulative translation adjustments	(4,001,000)	(3,662,000)

Edgar Filing: LITHIUM TECHNOLOGY CORP - Form 10-Q

Accumulated deficit	(149,823,000)	(147,983,000)
Total stockholders deficit	(20,019,000)	(17,840,000)
Total liabilities and stockholders deficit	\$8,474,000	\$ 11,468,000

See accompanying notes to condensed consolidated financial statements.

Index

LITHIUM TECHNOLOGY CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS AND COMPREHENSIVE LOSS
UNAUDITED

	SIX MONTHS ENDED		THREE MONTHS ENDED	
	JUNE 30,		JUNE 30,	
	2010	2009	2010	2009
REVENUES				
Products and services sales	\$3,041,000	\$3,080,000	\$1,324,000	\$1,758,000
Cost of goods sold	3,206,000	5,719,000	901,000	2,645,000
Gross Margin (Loss)	(165,000)	(2,639,000)	423,000	(887,000)
EXPENSES				
Engineering, research and development	258,000	331,000	60,000	173,000
General and administrative	2,299,000	1,520,000	1,201,000	799,000
Sales and marketing	372,000	331,000	226,000	203,000
Depreciation	62,000	94,000	17,000	48,000
Loss (Gain) on sale of tangible assets	10,000	-	5,000	-
Total expenses	3,001,000	2,276,000	1,509,000	1,223,000
Loss from operations	(3,166,000)	(4,915,000)	(1,086,000)	(2,110,000)
OTHER INCOME (EXPENSE)				
Change in fair value of warrant liability	129,000	143,000	65,000	(4,000)
Interest expense, net of interest income	(1,118,000)	(607,000)	(571,000)	(327,000)
Interest expense related to amortization of discount on convertible debt	(67,000)	-	(34,000)	-
Currency exchange income (expense)	2,838,000	(219,000)	1,690,000	(606,000)
Other	-	16,000	-	(1,000)
Total other income (expense)	1,782,000	(667,000)	1,150,000	(938,000)
INCOME (LOSS) BEFORE INCOME TAXES				
	(1,384,000)	(5,582,000)	64,000	(3,048,000)
Income tax expense	(456,000)	-	-	-
NET INCOME (LOSS)	\$(1,840,000)	\$(5,582,000)	\$64,000	\$(3,048,000)
Currency translation adjustments	(339,000)	(190,000)	68,000	(84,000)
COMPREHENSIVE INCOME (LOSS)	\$(2,179,000)	\$(5,772,000)	\$132,000	\$(3,132,000)
Weighted average number of common shares outstanding: Basic and Diluted rounded to nearest million	1,804,000,000	1,593,000,000	1,804,000,000	1,593,000,000
Basic and diluted net (loss)/income per share	\$(0.00)	\$(0.00)	\$0.00	\$(0.00)

See accompanying notes to condensed consolidated financial statements.

Index

LITHIUM TECHNOLOGY CORPORATION AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(UNAUDITED)

	SIX MONTHS ENDED	
	June 30, 2010	June 30, 2009
CASH FLOW FROM OPERATING ACTIVITIES		
Net loss	\$(1,840,000)	\$(5,582,000)
Adjustments		
Depreciation expense	372,000	423,000
Amortization of debt discount	67,000	-
Loss on sale of property and equipment	10,000	-
Currency translation loss (gain)	(2,838,000)	219,000
Change in fair value of warrant liability	(129,000)	(143,000)
(Increase)/decrease in assets		
Inventories	381,000	1,647,000
Accounts receivable	87,000	(454,000)
Prepaid expenses and other assets	62,000	(37,000)
Increase/(Decrease) in liabilities		
Accounts payable & accrued expenses	1,990,000	887,000
Other current liabilities	-	(197,000)
Net cash used in operating activities	(1,838,000)	(3,237,000)
CASH FLOW FROM INVESTING ACTIVITIES		
Capital Expenditures	(106,000)	(111,000)
Net cash used in investing activities	(106,000)	(111,000)
CASH FLOW FROM FINANCING ACTIVITIES		
Repayment of debt	(175,000)	(90,000)
Proceeds from loans from related parties	1,459,000	658,000
Proceeds from issuance of convertible debt	-	3,013,000
Net cash provided by financing activities	1,284,000	3,581,000
CURRENCY EFFECTS ON CASH AND CASH EQUIVALENTS		
	34,000	(149,000)
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	(626,000)	84,000
CASH AND CASH EQUIVALENTS, BEGINNING OF PERIOD	1,181,000	792,000
CASH AND CASH EQUIVALENTS, END OF PERIOD	\$555,000	\$876,000
Interest paid (Silent Partnership Loans - TBG)	\$30,000	\$46,000
Income taxes paid	\$-	\$-

See accompanying notes to condensed consolidated financial statements.

Index

LITHIUM TECHNOLOGY CORPORATION
AND SUBSIDIARIES

NOTES TO UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

NOTE 1—BASIS OF PRESENTATION

Our Consolidated Financial Statements include the accounts of Lithium Technology Corporation, and all of our subsidiaries. All material intercompany accounts, transactions and profits are eliminated in consolidation. For a complete description of the accounting policies of Lithium Technology Corporation and its consolidated subsidiaries, refer to Note 2 of Notes to Consolidated Financial Statements included in Lithium Technology Corporation's Form 10-K filed for the year ended December 31, 2009. As of June 30, 2010, there have been no material changes to any of our significant accounting policies.

The accompanying condensed consolidated financial statements as of June 30, 2010 and for the three and six months ended June 30, 2010 and 2009 are unaudited and have been prepared by our management in accordance with accounting principles generally accepted in the United States of America ("GAAP") and the applicable rules and regulations of the Securities and Exchange Commission ("SEC") for interim financial information. Accordingly, they do not include all of the information and notes required by GAAP for complete financial statements. In the opinion of management, the consolidated financial statements fairly present in all material respects, the financial position, results of operations and cash flows for the periods presented. To the best of our knowledge and belief, all adjustments of a normal recurring nature have been made to properly reflect income and expenses attributable to the periods presented. These interim unaudited condensed consolidated financial statements should be read in conjunction with the consolidated financial statements and notes thereto contained in the Company's Annual Report on Form 10-K filed with the SEC on April 8, 2010. The December 31, 2009 condensed consolidated balance sheet included herein was derived from the audited financial statements as of that date. Operating results for the six months ended June 30, 2010 are not necessarily indicative of annual results or any other period.

NOTE 2—ORGANIZATION, BUSINESS OF THE COMPANY AND LIQUIDITY

In 2002, Lithium Technology Corporation ("LTC" or the "Company") closed share exchanges in which LTC acquired ownership of 100% of GAIA Holding B.V. ("GAIA Holding") from Arch Hill Ventures, NV, a private company limited by shares, incorporated under the laws of the Netherlands ("Arch Hill Ventures"), which is controlled by Arch Hill Capital NV ("Arch Hill Capital"), a private company limited by shares, incorporated under the laws of the Netherlands (the "Share Exchanges"). In November 2004, Arch Hill Capital and Arch Hill Ventures transferred all LTC securities owned by such entities to Stichting Gemeenschappelijk Bezit GAIA ("Stichting GAIA") and Stichting Gemeenschappelijk Bezit LTC ("Stichting LTC"), entities controlled by Arch Hill Capital.

Subsequent to the Share Exchanges, Arch Hill Capital effectively controls LTC. As a result, the Share Exchanges have been accounted for as a reverse acquisition, whereby for financial reporting purposes, GAIA Holding is considered the acquiring company. GAIA Holding, a private limited liability company incorporated under the laws of the Netherlands, is the 100% beneficial owner of GAIA Akkumulatorenwerke GmbH ("GAIA"). GAIA Holding was incorporated in 1990 and only had limited operations until the acquisition of GAIA on February 12, 1999 (inception of development stage). GAIA is a private limited liability company incorporated under the laws of Germany. GAIA Holding's ownership interest in GAIA is held through certain trust arrangements.

The Company considers itself to have one operating segment. The Company is a mid-volume production stage company that develops large format lithium-ion rechargeable batteries to be used as a new power source for emerging applications in the automotive, stationary power, and national security markets.

Over the past several years, the Company has refocused its unique extrusion-based manufacturing process, cell technology, large battery assembly expertise and market activities to concentrate on large-format, high rate battery applications. The Company's commercialization efforts are focused on applying its lithium-ion rechargeable batteries in the transportation, national security and stationary power markets.

The Company's operating plan seeks to minimize its capital requirements, but the expansion of its production capacity to meet increasing sales and refinement of its manufacturing process and equipment will require additional capital. The Company expects that operating and production expenses will increase significantly to meet increasing sales, but is currently unable to achieve sales demand due to the lack of working capital. For this reason the Company restructured its business in the third quarter of 2008, by abandoning its flat cell production activity and streamlining its cylindrical cell production in Nordhausen Germany. Going forward the US operation will assemble batteries to customer needs for the US market. Batteries for the EU (European Union) market are assembled in Nordhausen Germany. During the second quarter of 2010 the Company was able to raise approximately \$1.2 million in net proceeds in convertible debt financing (See Note 7). Additionally, on October 25, 2010, the Company closed on the sale of 83,333,333 shares of Common Stock for an aggregate of \$2 million pursuant to a Stock Purchase Agreement with a subsidiary of the Company's customer (See Note 13). The Company is continuing to seek other financing initiatives and needs to raise additional capital to meet its working capital needs, for the repayment of debt and for capital expenditures. Such capital is expected to come from the sale of securities. The Company believes that if it raises approximately \$7 million in debt and equity financings it would have sufficient funds to meet its needs for working capital, capital expenditures and expansion plans over the next twelve months. This amount does not cover the repayment of any convertible debenture with a maturity date of December 31, 2010, (approximately \$9 million as at June 30, 2010). Negotiations are currently in progress with the respective lenders to extend the maturity date to June 30, 2013.

Index

No assurance can be given that the Company will be successful in completing any financings at the minimum level necessary to fund its capital equipment, debt repayment or working capital requirements, or at all. If the Company is unsuccessful in completing these financings, it will not be able to meet its working capital, debt repayment or capital equipment needs or execute its business plan. In such case the Company will assess all available alternatives including a sale of its assets or merger, the suspension of operations and possibly liquidation, auction, bankruptcy, or other measures. These conditions raise substantial doubt about the Company's ability to continue as a going concern. The accompanying financial statements do not include any adjustments relating to the recoverability of the carrying amount of recorded assets or the amount of liabilities that might result should the Company be unable to continue as a going concern.

NOTE 3—SIGNIFICANT ACCOUNTING POLICIES

As of June 30, 2010, there have been no material changes to any of our significant accounting policies contained in our 2009 Annual Report on Form 10-K other than the expanded description of our revenue recognition policy described below.

REVENUES

Revenue is recognized as services are rendered or products are delivered, the price to the buyer is fixed and determinable, and collectability is reasonably assured. The production time of the Company's battery cells and assembled battery units to various clients is generally less than three months. Revenues and cost of revenues from these battery cells and assembled battery units are generally recorded at the time each battery is delivered and title and possession are transferred to the buyer. Services the Company provides to its customers include the design of customer specific solutions, assembly of batteries and testing to ensure they are operating properly. We may also provide services in the form of support for customers who own batteries manufactured by us. These services may include assembly and testing of battery management systems. The Company believes that the services it provides in connection with battery design, assembly and initial testing have no stand-alone value and as such do not meet the criteria for separate units of accounting under the revenue recognition guidance for multiple element arrangements in Accounting Standards Codification ("ASC") 605-25. As such, revenue for these multiple-element arrangements is recognized at the time all elements are provided.

We may be engaged in providing additional services to customers who purchased our batteries without a warranty agreement. These services may involve diagnostics and repair work provided by our technicians. These services are treated as stand-alone agreements and revenue related to them is recognized as services are provided. We do not provide services to organizations that do not currently own the batteries (products) that we delivered.

The Company may also be contracted by certain customers for large battery units that may take more than three months to complete. For such large battery units contracts that take more than three months to design, manufacture, assemble, deliver and install, the Company uses the percentage of completion method to account for revenue and cost in accordance with ASC guidelines. For these contracts, revenues are calculated based on the percentage of total costs incurred (primarily material and labor) to total estimated costs at completion.

In cases where batteries are sold to customers with a warranty agreement, a percentage of product revenues (based on past experience) is provided to cover the cost of warranty, and the liability for such potential future cost is included in our balance sheet under "other current liabilities and accrued expenses".

Generally, sales terms are Free on Board (FOB) origin. Trade accounts receivable potentially subject the Company to credit risk. The Company extends credit to its customers based upon an evaluation of the customer's financial condition and credit history and generally does not require collateral.

Recently Issued Accounting Standards

In January 2010, FASB issued an Accounting Standards Update (“ASU”) which requires additional disclosures related to transfers between levels in the hierarchy of fair value measurement. This ASU is effective for interim and annual reporting periods beginning after December 15, 2009. Adoption of these provisions did not have a material impact on our financial statements.

In October 2009, FASB issued an ASU to address the accounting for multiple-deliverable sales arrangements. The update provides guidance to enable vendors to account for products or services (deliverables) separately, rather than as a combined unit. This ASU also expands the required disclosures related to a vendor’s multiple-deliverable revenue arrangements. This guidance will be effective prospectively for revenue arrangements entered into or materially modified in fiscal years beginning on or after June 15, 2010. Adoption of these provisions is not expected to have any material impact on our financial statements.

Index

NOTE 4—INVENTORIES

Inventories at June 30, 2010 and December 31, 2009 are made up of the following:

	June 30, 2010 (unaudited)	December 31, 2009
Finished Goods	\$245,000	\$ 534,000
Work In Process	377,000	277,000
Raw Materials	587,000	1,008,000
	\$1,209,000	\$ 1,819,000

Inventory decreased from \$1,819,000 at December 31, 2009 to \$1,209,000 at June 30, 2010, a decrease of \$610,000 (33.5%). The decrease was in raw materials and finished goods primarily due to the completion of a large project for a customer in Europe during the first quarter, and management's actions to reduce inventory levels during the second quarter.

NOTE 5—PROPERTY AND EQUIPMENT

Property and equipment at June 30, 2010 and December 31, 2009 is summarized as follows:

	June 30, 2010 (unaudited)	December 31, 2009
Land and buildings	\$3,415,000	\$ 4,010,000
Technical and laboratory equipment	7,247,000	8,508,000
Asset under construction and equipment deposit	472,000	475,000
Office equipment and other	1,024,000	1,184,000
Sub Total	12,158,000	14,177,000
Less: Accumulated depreciation and amortization	(6,691,000)	(7,463,000)
	\$5,467,000	\$ 6,714,000

GAIA owns an approximately 150,000 square foot renovated facility in the city of Nordhausen, Thuringia Germany. This facility has sufficient space to meet our near-term needs in Europe and can be upgraded to significantly increase production capacity. The facility also includes a laboratory, quality control spaces and offices for the European sales and management teams. By investing limited amounts the Company will be able to increase the production capacity. The facility has sufficient space to meet our near-term needs in Europe and North America.

Assets under construction included equipment being constructed that was not yet placed into service.

The decrease in property and equipment from December 31, 2009 to June 30, 2010 is primarily due to a decrease in the Euro to Dollar exchange rate from December 31, 2009 to June 30, 2010. All of the Company's land and buildings are located in its manufacturing facility in Nordhausen, Germany.

NOTE 6—INCOME TAXES

Dutch tax legislation does not permit a Dutch parent company and its foreign subsidiaries to file a consolidated Dutch tax return. Dutch resident companies are taxed on their worldwide income for corporate income tax purposes at a statutory rate of 25.5%. No further taxes are payable on this profit unless that profit is distributed. If certain conditions

are met, income derived from foreign subsidiaries is tax exempt in the Netherlands under the rules of the Dutch “participation exemption”. However, certain costs such as acquisition costs and interest on loans related to foreign qualifying participations are not deductible for Dutch corporate income tax purposes, unless those costs are attributable to Dutch taxable income. When income derived by a Dutch company is subject to taxation in the Netherlands as well as in other countries, generally avoidance of double taxation can be obtained under the extensive Dutch tax treaty network or Dutch domestic law.

For subsidiaries, local commercial and tax legislation contains provisions that may imply more than one treatment for a transaction. Thus, management’s judgment of the companies’ business activities and transactions may not coincide with the interpretation of the tax authorities. In the event that a particular transaction is challenged by the tax authorities the subsidiaries may incur penalties and taxes on present and past transactions. Management believes that the financial statements adequately reflect the activities of the subsidiaries.

Index

Deferred income taxes reflect the net effects of temporary differences between the amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. As of December 31, 2009 the Company had deferred tax assets of \$26,872,000 for net operating losses (“NOL”) carry forwards related to US operations and \$19,019,000 for NOL carry forwards related to foreign operations. As a result of the Company’s continuing tax losses, the Company has recorded a full valuation allowance against its net deferred tax assets.

Additionally, the Company has not recorded any liabilities for unrecognized tax benefits subsequent to the adoption of ASC 740-10 (formerly known as FASB Interpretation No. 48, “Accounting for Uncertainty in Income Taxes” or FIN 48).

In June 2009 GAIA received the initial assessment of an investigation of the German tax authorities regarding the transfer of Intellectual Property Rights and patents to Dilo AG in Switzerland, a wholly owned subsidiary, for the period 2001-2004. In past years, former management has been of the opinion that these investigations would not result in a material claim against GAIA or its former management from the German tax authorities. The German tax authorities claimed corporate tax had to be filed and paid on the value of the transfer. Management prepared a response to the German tax authorities’ claim. After extensive discussions and evaluation of management’s response to the tax authorities’ claim, the German tax authorities finally issued an assessment of €339,000 (approximately \$456,000) as a final settlement on this issue. The Company has recorded an income tax expense for this amount during the six months ended June 30, 2010.

NOTE 7—DEBT

	June 30, 2010 (unaudited)	December 31, 2009
Current debt is summarized as follows:		
Loans From Financial Institutions	\$22,000	\$ 35,000
Silent Partner loans-TBG	1,519,000	1,962,000
July 2007 10% Convertible Debenture	3,247,000	3,247,000
Sub total current debt	4,788,000	5,244,000
Related party debt		
Promisory note to Archhill	1,407,000	1,814,000
10% Related Party Conv. Deb. Oct 2009 I, net of discount	1,546,000	1,750,000
10% Related Party Conv. Deb. Oct 2009 II, net of discount	2,372,000	2,470,000
10% Related Party Conv. Note van Hessen Interest	883,000	-
10% Related Party Conv. Deb. Q2 2010	1,038,000	-
Sub total related party debt	7,246,000	6,034,000
Long term debt		
June 2008, 9% Convertible Note	8,851,000	10,392,000
9% Related party convertible debenture	1,260,000	1,479,000
Sub Total Long term debt	10,111,000	11,871,000
Warrant liability	20,000	150,000
Total debt	\$22,165,000	\$ 23,299,000

LOANS FROM FINANCIAL INSTITUTIONS

GAIA has two loans from financial institutions, which totaled \$22,000 and \$35,000 as of June 30, 2010 and December 31, 2009, respectively, and are collateralized by the specific assets financed by the loans and bear interest at standard European commercial rates which was 7% as of both June 30, 2010 and December 31, 2009.

SILENT PARTNERSHIP LOANS - TBG

Technology-Beteiligungs-Gesellschaft GmbH der Deutschen Ausgleichsbank (“TBG”) has provided a partnership loan, which did bear interest at 6% per annum. TBG was entitled to receive an annual 12% share in profits related to its contributions under the TBG Partnership Agreement. The TBG Partnership Agreement provided that should GAIA receive additional injections of capital in the course of further financing rounds, TBG shall adjust its profit sharing to the capital ratio applicable at such time. Management believes that based upon subsequent equity received by GAIA that the present profit sharing that TBG is entitled to under the Agreement is approximately 4.4%. Management further believes that it is unlikely that TBG would receive any profit sharing under the Partnership Agreement at any time in the near future.

Index

From March 8, 2005 under the TBG Partnership Agreement, TBG is entitled to demand a non-recurring remuneration of 30% of the amount invested plus 6% of the amount invested at the end of the period of participation for each year after the expiration of the fifth full year of participation under certain circumstances relating to the economic condition of GAIA. The TBG Partnership Agreement terminated in December 2008.

TBG contacted the Company and has claimed under the terms of the agreement the remuneration in the amount of 920,000 Euros (approximately \$1,123,000 as of June 30, 2010). Management asserts that TBG has not met the terms of the agreement and is not entitled to the above amount.

GAIA negotiated with TBG to convert the TBG Partnership Agreement into a long term loan bearing an interest rate of 6.78% per annum, including a repayment schedule. The principal amount of Euros 1,493,875 will be repaid back in 12 payments of Euros 125,000 per quarter, starting December 31, 2009. The last payment will be on September 30, 2012. Under the repayment agreement TBG is entitled to receive a non-recurrent remuneration of 40% of the principal amount under certain circumstances relating to the economic conditions of GAIA. The total amount payable to TBG under the Partnership Agreements at June 30, 2010 and December 31, 2009 was \$1,519,000 and \$1,962,000, respectively. Due to cash shortages, GAIA has made only one quarterly payment during 2010 and discussions with TBG are in process to amend the repayment schedule.

JULY 2007 10% CONVERTIBLE DEBENTURE

On July 11, 2007, debt of European subsidiaries of the Company and accrued interest was satisfied with the payment of Euros 6 million and the issuance of a Company convertible note in the principal amount of U.S. \$3,247,000 (the "Convertible Note"). The Convertible Note is convertible into shares of Company common stock at \$0.10 per share. The Convertible Note accrues interest at 10% per annum and was due and payable on September 1, 2008. As of September 1, 2008 the Convertible Note was extended for an additional six months, under the same conditions. The interest rate on the unpaid accrued interest as of September 1, 2008 was increased from 10% to 12% per annum. On March 1, 2009 the Convertible Note was extended a second time until January 1, 2010. The payment of the accrued interest was secured by assets of Arch Hill Ventures, the Company's related party. The Company has the right to repay the Convertible Note at any time prior to maturity without penalty. The Convertible Note is secured by 90 million shares of Company common stock. As of December 31, 2009, \$3,247,000 plus accrued interest of \$883,000 was outstanding under the Convertible Note. Upon issuance the Company recorded a beneficial conversion feature of \$324,721 that is amortized over the life of the note using the effective interest method. The amount was fully amortized as of December 31, 2009.

In January 2010, because of the Company's inability to pay the accrued interest, the Note holder called the security with Arch Hill Ventures. As a result, as of January 4, 2010 the accrued interest of \$883,000 was converted to a non-secured 10% Related Party Convertible Note due to Arch Hill Ventures. (See details of 10% Related Party Convertible Debenture – January 2010 below). The maturity date on the principal amount of the Convertible Note of U.S. \$3,247,000 was extended until January 1, 2011.

Since January 1, 2010 the accrued interest on the note was approximately \$161,000 at June 30, 2010.

PROMISSORY NOTES – RELATED PARTY

Arch Hill Real Estate N.V. billed \$70,000 per month as management fees to GAIA Holding BV from 2004 until 2005. The amount was unpaid as of December 31, 2009 and is included in the promissory notes to Arch Hill. The total amount was \$1,407,000 and \$1,814,000 as of June 30, 2010 and December 31, 2009 respectively. The loans bear cumulative interest at 6% per annum, which is added to the face amount of the note at each reporting period. Under the Subordinated Loan Agreement (the "Subordinated Loan Agreement") terms, the loans can be called when GAIA

does not have negative shareholders equity. The loans are subordinated to all other creditors of GAIA. The Company also had related party receivables from various affiliates of Arch Hill amounting to \$294,000 as of December 31, 2009. In November 2010 an agreement was concluded with Arch Hill wherein the Company would write-off Euros 132,000 (approximately \$177,000) of the related party receivables, and apply the remaining amount against the balance due on the Promissory Notes – Related Party. The Related party receivable has been reduced by Euros 132,000 (approximately \$177,000) as of June 30, 2010 and the balance due on the Promissory Notes – Related Party has been reduced by the remaining Related party receivable as of June 30, 2010.

JUNE 2008 9% CONVERTIBLE NOTES

The Company closed on a convertible debt financing (the “June 2008 Financing”) with several institutional investors from June 12, 2008 to August 21, 2009 for a total of Euros 7.25 million (approximately U.S. \$10,205,000). The Company has a balance of \$8,851,000 and \$10,392,000 outstanding under these notes as of June 30, 2010 and December 31, 2009, respectively. Additionally, the accrued interest on these convertible notes as of June 30, 2010 and December 31, 2009 is Euros 1,059,000 (approximately U.S. \$1,293,000) and Euros 746,000 (approximately U.S. \$1,069,000), respectively. The Convertible Notes are convertible at \$0.10 per share into Company common stock or any equity securities issued by the Company after the date of issuance of the Convertible Notes. The Convertible Notes accrue interest at 9% per annum and are due and payable on September 30, 2011 (the “Maturity Date”). The Convertible Notes were recorded in US dollars and are repayable in Euros and as such have exposure to fluctuations in currency rates. All obligations of the Company under the Convertible Notes will be secured by security interests in all of the tangible and intangible fixed assets, including real estate, of the Company.

Index

In March 2009 the Board of Directors of the Company approved a reduction of the conversion price of the Convertible Notes from \$0.10 per share to \$0.07. This reduction will apply to all holders of Convertible Notes.

In April 2009 the Company received confirmation from one of the investors that the terms and conditions of the June 2008 9% convertible loan will apply to the loan of Euros 100,000 which was originally granted as a bridge loan in 2008. The amount of Euros 100,000 is included in the balance of the June 2008 9% convertible note.

Based upon the decreased conversion price and under assumption that all note holders would voluntarily choose a conversion into shares, the principal and accrued interest under the Convertible Notes would convert into approximately 167 million shares of common stock as of June 30, 2010.

9% RELATED PARTY CONVERTIBLE DEBENTURE MARCH 2009

The Company closed on a convertible debt financing (the “9% Related Party Convertible Debentures March 2009”) with Stichting Gemeenschappelijk Bezit LTC (the “Lender”) from February 7, 2009 to June 30, 2009 for a total of Euros 1.032 million (approximately U.S. \$1,352,000). The Company has a balance of \$1,260,000 and \$1,479,000 outstanding under these debentures as of June 30, 2010 and December 31, 2009, respectively. The accrued interest on this amount is Euros 74,000 (approximately U.S. \$107,000) as of December 31, 2009 and Euros 119,000 (approximately U.S. \$146,000) as of June 30, 2010. The Company issued its 9% Related Party Convertible Debentures March 2009 to the Lender in connection with this financing. The 9% Related Party Convertible Debentures March 2009 are convertible at \$0.07 per share into Company common stock or any equity securities issued by the Company after the date of issuance of the 9% Related Party Convertible Debentures March 2009. The 9% Related Party Convertible Debentures March 2009 accrue interest at 9% per annum and are due and payable on September 30, 2011 (the “Maturity Date”). The 9% Related Party Convertible Debentures March 2009 were recorded in US dollars and are repayable in Euros and as such have exposure to fluctuations in currency rates. The 9% Related Party Convertible Debentures March 2009 are unsecured obligations of the Company.

Based upon the conversion price and under assumption that the Lender would voluntarily choose a conversion into shares, the principal and accrued interest under the 9% Related Party Convertible Debentures March 2009 would convert into approximately 21.5 million shares of common stock as of June 30, 2010.

10% RELATED PARTY CONVERTIBLE DEBENTURE OCTOBER 2009 I

The Company closed on a convertible debt financing (the “10% Related Party Convertible Debenture October 2009 I”) with Stichting Gemeenschappelijk Bezit LTC (the “Lender”) from October 22, 2009 to January 22, 2010 for a total of Euros 1.293 million (approximately U.S.\$1,903,000). Euros 27,000 (approximately \$38,000) was received by the Company in January 2010. The Company has a balance of \$1,546,000 and \$1,750,000 outstanding (net of debt discount related to a beneficial conversion feature) under these debentures as of June 30, 2010 and December 31, 2009, respectively. The accrued interest as of June 30, 2010 was Euros 77,000 (approximately U.S. \$94,000) and December 31, 2009 was Euros 13,000 (approximately U.S. \$19,000). The Company issued its convertible debentures (the “Convertible Debentures”) to the Lender in connection with this financing. The Convertible Debentures are convertible at \$0.04 per share into Company common stock or any equity securities issued by the Company after the date of issuance of the Convertible Debentures. The Convertible Debentures accrue interest at 10% per annum and are due and payable on December 31, 2010 (the “Maturity Date”). The Convertible Debentures were recorded in US dollars and are repayable in Euros and as such have exposure to fluctuations in currency rates. The Convertible Debentures are unsecured obligations of the Company. The Company recorded a debt discount of approximately \$75,000 on date of issuance of these debentures related to a beneficial conversion feature. This discount will be amortized over the term of the debentures using the effective interest method.

Based upon the conversion price and under assumption that the Lender would voluntarily choose a conversion into shares, the principal and accrued interest under the Convertible Debentures, would convert into approximately 50 million shares of common stock as of June 30, 2010.

10% RELATED PARTY CONVERTIBLE DEBENTURE OCTOBER 2009 II

The Company closed on a convertible debt financing (the “10% Related Party Convertible Debenture October 2009 II”) with Stichting Gemeenschappelijk Bezit LTC (the “Lender”) from October 23, 2009 to January 15, 2010 for a total of Euros 1.971 million (approximately U.S.\$2,906,000). Euros 200,000 (approximately \$290,000) was received by the Company in January 2010. The Company has a balance of \$2,372,000 and \$2,470,000 outstanding (net of debt discount related to a beneficial conversion feature) under these debentures as of June 30, 2010 and December 31, 2009, respectively. The accrued interest as of June 30, 2010 was Euros 113,000 (approximately U.S. \$138,000) and December 31, 2009 was Euros 16,000 (approximately U.S. \$23,000). The Company issued its convertible debentures (the “Convertible Debentures”) to the Lender in connection with this financing. The Convertible Debentures are convertible at \$0.04 per share into Company common stock or any equity securities issued by the Company after the date of issuance of the Convertible Debentures. The Convertible Debentures accrue interest at 10% per annum and are due and payable on December 31, 2010 (the “Maturity Date”). The Convertible Debentures were recorded in US dollars and are repayable in Euros and as such have exposure to fluctuations in currency rates. The Convertible Debentures are unsecured obligations of the Company. The Company recorded a debt discount of approximately \$79,000 on date of issuance of these debentures related to a beneficial conversion feature. This discount will be amortized over the term of the debentures using the effective interest method.

Index

Based upon the conversion price and under assumption that the Lender would voluntarily choose a conversion into shares, the principal and accrued interest under the Convertible Debentures, would convert into approximately 77 million shares of common stock as of June 30, 2010.

10% RELATED PARTY CONVERTIBLE NOTE JANUARY 2010

In January 2010, because of the Company's inability to pay the accrued interest, the holder of the July 2007 10% Convertible Debenture described above, called on the security with Arch Hill Capital NV. As a result, as of January 4, 2010 the accrued interest of \$883,000 was converted to a non-secured 10% Related Party Convertible Note due to Arch Hill Capital NV (the "Lender") in consideration for the Lender's payment of certain of the Company's accrued interest with its own assets. The Company issued its convertible note (the "Convertible Note") to the Lender in connection with this obligation. The Convertible Note is convertible at \$0.04 per share into Company common stock or any equity securities issued by the Company after the date of issuance of the Convertible Note. The Convertible Note accrue interest at 10% per annum and is due and payable on December 31, 2010 (the "Maturity Date"). The Convertible Note is denominated and recorded in US dollars. The Convertible Note is an unsecured obligation of the Company. As of June 30, 2010, the accrued interest on this Convertible Note is approximately \$44,000.

Based upon the conversion price and under assumption that the Lender would voluntarily choose a conversion into shares, the principal and accrued interest under the Convertible Note, would convert into approximately 23 million shares of common stock as of June 30, 2010.

10% RELATED PARTY CONVERTIBLE DEBENTURE Q2 2010

The Company closed on a convertible debt financing (the "10% Related Party Convertible Debenture Q2 2010") with Stichting Gemeenschappelijk Bezit LTC (the "Lender") from March 19, 2010 to September 13, 2010 for a total of Euros 925,000 (approximately U.S. \$1.2 million). As of June 30, 2010, Euros 851,000 (approximately U.S. \$1.1 million) had been received by the Company. The Company issued its convertible debentures (the "Convertible Debentures") to the Lender in connection with this 10% Related Party Convertible Debenture Q2 2010 financing. The Convertible Debentures are convertible at \$0.04 per share into Company common stock or any equity securities issued by the Company after the date of issuance of the Convertible Debentures. The Convertible Debentures accrue interest at 10% per annum and are due and payable on December 31, 2010 (the "Maturity Date"). The accrued interest as of June 30, 2010 was Euros 16,000 (approximately U.S. \$19,000). The Convertible Debentures were recorded in US dollars and are repayable in Euros and as such have exposure to fluctuations in currency rates. The obligations under these Convertible Debentures will be secured by the accounts receivable of the Company. The Company did not pay any underwriting discounts or commissions in connection with the issuance of the Convertible Debentures in these transactions. The sale of the Convertible Debentures was exempt from registration under Section 4(2) of the Securities Act. The Convertible Debentures were sold and issued to an accredited investor in a private transaction without the use of any form of general solicitation or advertising.

Based upon the conversion price and under assumption that the Lender would voluntarily choose a conversion into shares, the principal and accrued interest under the Convertible Debentures, would convert into approximately 29 million shares of common stock as of June 30, 2010.

COMMON TERMS AND CONDITIONS OF CERTAIN DEBT INSTRUMENTS

In addition to the terms and conditions disclosed in the respective debt instruments above, the following terms and conditions also apply to each of the following debt instruments (collectively "Convertible Instruments"):

- JUNE 2008 9% CONVERTIBLE NOTES;

- 9% RELATED PARTY CONVERTIBLE DEBENTURE MARCH 2009;
- 10% RELATED PARTY CONVERTIBLE DEBENTURE OCTOBER 2009 I;
- 10% RELATED PARTY CONVERTIBLE DEBENTURE OCTOBER 2009 II;
 - 10% RELATED PARTY CONVERTIBLE NOTE JANUARY 2010;
 - 10% RELATED PARTY CONVERTIBLE DEBENTURES Q2 2010.

Prior to the Maturity Date, the Convertible Instruments are due and payable within three months of a “Change in Control” of the Company or a “Financing”. “Change in Control” of the Company is defined to have occurred if, at any time following the date of the Convertible Instruments: (A) any “person” or “group” (as such terms are used in Sections 3(a)(9) and 13(d)(3) of the Securities Exchange Act of 1934, as amended (the “Exchange Act”)) (other than the shareholders of the Company identified in (1) Amendment No. 16/6 to Schedule 13D filed with respect to the Company on April 29, 2008 and (2) Schedule 13D filed with respect to the Company on June 2, 2008) becomes a “beneficial owner” (as such term is used in Rule 13d-3 promulgated under the Exchange Act), directly or indirectly, of securities of the Company representing 50% or more of the combined voting power of the Company’s then outstanding securities; (B) a change in “control” of the Company (as the term “control” is defined in Rule 12b-2 or any successor rule promulgated under the Exchange Act) shall have occurred; (C) the shareholders or the Board of Directors of the Company approve a plan of complete liquidation of the Company or an agreement for the sale or disposition by the Company of all or substantially all of the Company’s assets; or (D) the shareholders or the Board of Directors of the Company approve a merger or consolidation of the Company with any other company, other than a merger or consolidation which would result in the combined voting power of the Company’s voting securities outstanding immediately prior thereto continuing to represent (either by remaining outstanding or by being converted into voting securities of the surviving entity) more than 50% of the combined voting power of the voting securities of the Company or such surviving entity outstanding immediately after such merger or consolidation. “Financing” is defined as the consummation by the Company or any of its subsidiaries of any debt or equity financing in excess of \$20,000,000.

Index

The Convertible Instruments provide that in the event of the receipt by the Company or any of its subsidiaries of any proceeds from any “Asset Sale” or “Insurance/Condemnation Award”, the Company shall apply within thirty (30) Business Days after the receipt thereof the net after-tax proceeds there from to pay in cash the principal and all accrued but unpaid interest hereunder. “Asset Sale” means any sale, transfer, conveyance or other disposition by the Company or any of its subsidiaries of any of its property or assets, other than the sale of inventory in the ordinary course of business. “Insurance/Condemnation Award” means the receipt by the Company or any of its subsidiaries of any proceeds received under any casualty insurance policy maintained by or for the benefit of the Company or any of its subsidiaries or as a result of the taking of any assets of the Company or any of its subsidiaries pursuant to the power of eminent domain or condemnation.

WARRANT LIABILITY

The Company adopted FASB ASC 815-40 effective January 1, 2009. The adoption of FASB ASC 815-40 affects the requirements of accounting for warrants and many convertible instruments that have provisions that protect holders from a decline in the stock price (or “down-round” provisions). Warrants with such provisions are not considered indexed to the Company’s stock and if they meet other derivative instrument criteria would be considered derivative instruments.

Down-round provisions reduce the exercise or conversion price of a warrant or convertible instrument if the Company either issues equity shares for a price that is lower than the exercise or conversion price of those instruments or issues new warrants or convertible instruments that have a lower exercise or conversion price. The Company evaluated whether warrants to acquire the Company’s common stock contain provisions that protect holders from declines in the stock price or otherwise could result in modification of the exercise price and/or shares to be issued under the respective warrant agreements based on a variable that is not an input to the fair value of a “fixed-for-fixed” option.

The warrants issued to Arch Hill, in conjunction with the October 2005 Arch Hill Debt Exchange, and warrants issued to Portfolio Lenders II, LLC, in conjunction with the December 6, 2005 convertible note, contain down-round adjustment provisions. The Company concluded that such a triggering event was not based on an input to the fair value of “fixed-for-fixed” option and therefore is not considered indexed to the Company’s own stock. The Arch Hill warrant also contains a net settlement provision and because it contains both characteristics, is accounted for as a derivative in accordance with FASB ASC 815-10. The Portfolio Lenders II, LLC warrant does not contain a net settlement provision. The Company recognizes both the Arch Hill and the Portfolio Lenders II, LLC warrants as a liability at the fair value on each reporting date. These warrants were classified as liability in prior periods due to lack of sufficient authorized shares of common stock that would have to be issued in the event of exercise. Although the Company has increased the authorized shares of common stock to be issued to allow conversion of all warrants and convertible instruments, warrants with down-round provisions will remain classified as liabilities at their fair value. The Company measured the fair value of these warrants as of June 30, 2010 to be \$20,000, and recorded other income of \$65,000 and \$129,000 for the three and six months ended June 30, 2010, respectively, resulting from the reduction of the liability associated with fair value changes of the warrants as of June 30, 2010. The Company determined the fair values of these securities using the Black-Scholes valuation model with the following assumptions:

Number of Shares of Common Stock underlying warrants 4,205,262
Exercise price range: \$ 0.03 to 0.38
Fair value of warrants \$20,000
Volatility 140.58% -181.32%
Risk-free interest rate 0.47%
Expected dividend yield 0%
Expected warrant life less than 1 year

Index

Recurring Level 3 Activity and Reconciliation

The table below provides a reconciliation of the beginning and ending balances for the liability measured at fair value using significant unobservable inputs (Level 3). The table reflects gains and losses for the quarter for all financial liabilities categorized as Level 3 as of June 30, 2010.

Fair Value Measurements Using Significant Unobservable Inputs (Level 3):

Warrant liability:

Balance as of January 1, 2010	\$ 149,000
Decrease in fair value of warrants	(129,000)
Balance as of June 30, 2010	\$ 20,000

Warrant liability income (expense) is determined by a combination of factors, including share price, the number of warrants outstanding, length of time remaining under the warrant and the volatility in the share price of our stock during the period.

NOTE 8—COMMITMENTS AND CONTINGENCIES

BUILDING LEASE

LTC was leasing a 12,400 square foot facility at 5115 Campus Drive in Plymouth Meeting, Pennsylvania pursuant to a Lease Agreement with PMP Whitemarsh Associates dated July 22, 1994, as amended. The facility was being leased under a one-year lease extension that commenced on April 1, 2008 and ended on March 31, 2009. The base annual rent under this lease agreement was \$160,000. LTC did not extend the lease after March 31, 2009. In August 2008 the Company signed an Asset Purchase Agreement with Porous Power Technologies and a Sublease Agreement with Porous Power Technologies. Under the Asset Purchase Agreement, the Company sold some of the assets in Plymouth Meeting to Porous Power Technologies. Other assets which could be of use to the Company at its manufacturing facility in Nordhausen, Germany were shipped from Plymouth Meeting to Nordhausen, Germany. Porous Power Technologies was a sub-tenant to the Company at the Company's facility from August 2008 to March 31, 2009. Porous Power Technologies signed a lease agreement for the Plymouth Meeting facility on April 1, 2009. The Company signed a six month sub-lease agreement with Porous Power Technologies for total rent of \$42,000 (\$7,000 per month), with the possibility to extend the sub-lease for 3 month periods. The Company has extended its sublease for each quarter during 2010 but has given notice to Porous Power Technologies to terminate the sub-lease as of December 31, 2010. The Company has signed a new lease agreement with W&J Enterprises, LLC for 18 months for a 2,000 square foot office space in Fairfax, Virginia and will be relocating its corporate headquarters to this location effective January 1, 2011. The base rent (which includes taxes and condo fees) will be \$2,667 per month with an option to renew at market rate at the end of the lease. This facility has sufficient space to meet the Company's near-term needs in the United States. The Company does not expect that significant costs will be incurred in connection with this relocation.

LITIGATION

Andrew J. Manning, a former employee of the Company, filed a complaint in October 2008, in the Superior Court of New Jersey, Morris County, Law Division, against the Company and other parties, alleging breach of contract, breach of covenant of good faith and fair dealing, negligent misrepresentation, tortious interference with Mr. Manning's economic gain, retaliation, unjust enrichment, and intentional infliction of emotional distress. On December 1, 2010, the Superior Court issued an order granting the Company's motion for summary judgment and dismissing Mr. Manning's complaint with prejudice.

From time to time, the Company is a defendant or plaintiff in various legal actions which arise in the normal course of business. As such the Company is required to assess the likelihood of any adverse outcomes to these matters as well as potential ranges of probable losses. A determination of the amount of the provision required for these commitments and contingencies, if any, which would be charged to earnings, is made after careful analysis of each matter. The provision may change in the future due to new developments or changes in circumstances. Changes in the provision could increase or decrease the Company's earnings in the period the changes are made.

NOTE 9—STOCKHOLDERS EQUITY

AUTHORIZED SHARES

The Company is authorized to issue 3.0 billion shares of the common stock and 100 million shares of preferred stock. Of the 100 million authorized shares of preferred stock, the Company designated and authorized 1,000 shares as Series A Convertible Preferred Stock, which the Company issued to an investor in the private placement of A Units which concluded in January 2005 and have subsequently been converted into the Company's common stock. Additionally, the Company designated and authorized 100,000 shares of Series B Convertible Preferred Stock and 300,000 shares of Series C Convertible Preferred. All of the issued and outstanding Series B and C Convertible Preferred Stock were converted to the Company's common stock during 2009 and as of June 30, 2010 and December 31, 2009, there are no Series B and C Convertible Preferred Stock issued and outstanding.

Index

SERIES B CONVERTIBLE PREFERRED STOCK

The shares of Series B Convertible Preferred Stock have the same dividend rights as the Company's common stock shares. The 100,000 shares of convertible preferred stock are convertible into an aggregate of 264,103,114 shares of common stock and have voting rights equal to 264,103,114 shares of common stock. The Series B Convertible Preferred Stock has no mandatory or optional redemption rights; thus, cannot be redeemed for cash. All the issued and outstanding Series B Convertible Preferred Stock were converted into 264,103,114 shares of common stock during 2009. The Company has no shares of Series B Convertible Preferred Stock outstanding as of June 30, 2010 and December 31, 2009.

SERIES C CONVERTIBLE PREFERRED STOCK

Each share of the Series C Convertible Preferred Stock is convertible at the option of the holder thereof into 2,500 shares of Company common stock. The Series C Convertible Preferred Stock are entitled to vote together with the common stock on all matters submitted to a vote of the holders of the common stock. In addition to the voting rights provided above, as long as any shares of Series C Convertible Preferred Stock are outstanding, the affirmative vote or consent of the holders of two-thirds of the then-outstanding shares of Series C Preferred Stock, voting as a separate class, will be required in order for the Company to:

- (i) amend, alter or repeal, whether by merger, consolidation or otherwise, the terms of the Series C Convertible Preferred Stock or any other provision of Company Charter or Bylaws, in any way that adversely affects any of the powers, designations, preferences and relative, participating, optional and other special rights of the Series C Convertible Preferred Stock;
- (ii) issue any shares of capital stock ranking prior or superior to, or on parity with, the Series C Convertible Preferred Stock; or
- (iii) Sub divide or otherwise change shares of Series C Convertible Preferred Stock into a different number of shares whether in a merger, consolidation, combination, recapitalization, reorganization or otherwise.

The Series C Convertible Preferred Stock ranks on a parity with the common stock as to any dividends, distributions or upon liquidation, dissolution or winding up, in an amount per share equal to the amount per share that the shares of common stock into which such Series C Convertible Preferred Stock are convertible would have been entitled to receive if such Series C Convertible Preferred Stock had been so converted into common stock prior to such distribution.

On June 23, 2009, all of the issued and outstanding shares of Series C Convertible Preferred Stock were converted into 583,000,000 shares of common stock. As of June 30, 2010 and December 31, 2009, no shares of Series C Convertible Preferred Stock remain outstanding.

NOTE 10—SEGMENT INFORMATION

Segment Information

ASC 280 defines operating segments as components of an enterprise for which separate financial information is available that is evaluated regularly by the chief operating decision maker in deciding how to allocate resources and in assessing performance. Based on the way it organizes its business for making operating decisions and assessing performance, the Company has determined that it has one reportable operating segment with two geographical

locations.

Management reviews its Domestic Operations and its European Operations to evaluate performance and resources. Management has aggregated its operations into one industry segment since its Domestic and European Operations are similar and meet the aggregation criteria of ASC 280.

15

Index

Geographic information is as follows:

	Six Months Ended June 30, 2010	Six Months Ended June 30, 2009	Three Months Ended June 30, 2010	Three Months Ended June 30, 2009
Revenues				
Domestic Operations	\$436,000	\$ 1,442,000	\$ 227,000	\$ 735,000
European Operations	2,605,000	1,638,000	1,097,000	1,023,000
	\$3,041,000	\$ 3,080,000	\$ 1,324,000	\$ 1,758,000
Net income (loss)				
Domestic Operations	\$410,000	\$ (2,732,000)	\$ 447,000	\$ (1,026,000)
European Operations	(2,250,000)	(2,850,000)	(383,000)	(2,022,000)
	\$(1,840,000)	\$ (5,582,000)	\$ 64,000	\$ (3,048,000)
Property and equipment, net				
Domestic Operations	\$13,000	\$ 17,000		
European Operations	5,454,000	6,697,000		
	\$5,467,000	\$ 6,714,000		

Capital expenditures and depreciation expenses are incurred primarily by the European operations.

In the three and six months ended June 30, 2010, three and two customers in the European region accounted for 51% and 46%, respectively, of total consolidated revenues.

As at June 30, 2010, 48% of the net accounts receivable was from one customer in the US and 37% was outstanding from two customers in Europe.

NOTE 11—NET INCOME/LOSS PER COMMON SHARE

The Company has presented net income/loss per common share pursuant to FASB ASC 260-10, "Earnings Per Share". Net income/loss per common share is based upon the weighted average number of outstanding common shares. The Company has determined that the as-if converted common shares related to the preferred shares should be included in the weighted average shares outstanding for purposes of calculating basic earnings per share. The Company made such determination because: 1) Arch Hill Capital, which controls the Company, has the ability to authorize the necessary shares for conversion; 2) the preferred shares have no significant preferential rights above the common shares; and 3) the preferred shares will automatically convert at a later date upon proper share authorization. The Company has no Preferred Stock outstanding as of June 30, 2010 and December 31, 2009. As a result, weighted average shares outstanding included in the calculation of basic and diluted net income/loss per common share for the

Edgar Filing: LITHIUM TECHNOLOGY CORP - Form 10-Q

six and three months ended June 30, 2010 and 2009 was as follows:

(Rounded to millions)	Six Months Ended June 30, 2010	Six Months Ended June 30, 2009	Three Months Ended June 30, 2010	Three Months Ended June 30, 2009
Series B Preferred Stock	-	264,000,000	-	264,000,000
Series C Preferred Stock	-	583,000,000	-	583,000,000
Common Stock	1,804,000,000	746,000,000	1,804,000,000	746,000,000
Total	1,804,000,000	1,593,000,000	1,804,000,000	1,593,000,000

Due to net losses in the six months ended June 30, 2010 and 2009, the effect of the potential common shares resulting from convertible promissory notes payable, stock options and warrants (approximately 407 and 404 million shares as of June 30, 2010, and June 30, 2009, respectively) were excluded, as the effect would have been anti-dilutive. Due to the large number of common stock outstanding, the impact of dilution on the computation of the diluted earnings per share was not material for the three months ended June 30, 2010.

Index

NOTE 12 – SUPPLEMENTAL CASH FLOW INFORMATION

In January 2010, because of the Company's inability to pay the accrued interest on the July 2007 10% Convertible Debenture disclosed above, the Note holder called the security with Arch Hill Capital NV (the "Lender"). Consequently, as of January 4, 2010 the accrued interest of \$883,000 was converted to a non-secured 10% Related Party Convertible Note due to Arch Hill Capital NV in consideration for the Lender's payment of certain of the Company's accrued interest with its own assets. (See details of 10% Related Party Convertible Debenture – January 2010 above).

There were no significant non-cash transactions for the six month period ended June 30, 2010.

NOTE 13 - SUBSEQUENT EVENTS

10% Related Party Convertible Debenture Q2 2010

The Company sold and issued additional 10% Related Party Convertible Debentures Q2 2010 to the Lender from July 16 to September 13, 2010 for a total of Euros 75,000 (approximately U.S. \$95,000). The issuances were on the same terms and conditions described in Note 7 above.

June 2008 9% Convertible Notes

In September 2010, the Company received an additional subscription relating to the June 2008 9% Convertible Note described in Note 7 above from an institutional investor for a total of Euros 125,000 (approximately U.S. \$161,000) under the same terms and conditions described in Note 7 above.

Acquisition Transaction, Common Stock Financing and Transaction Bonus Plan

On September 28, 2010, the Company executed an Agreement on Key Terms (the "Term Sheet") between the Company and the strategic party named therein (the "Strategic Investor") relating to a series of strategic transactions (the "Acquisition Transaction") pursuant to which the Strategic Party, which is a subsidiary of a customer of the Company, may over the time period set forth in the Term Sheet increase its equity ownership in the Company to more than 50% of the outstanding securities of the Company (the "Control Shares"). The Acquisition Transaction is subject to completion of definitive agreements and requisite approvals. The closing is expected to take place by year end.

On October 25, 2010, the Company closed on the sale of 83,333,333 shares of Common Stock (the "Shares") for an aggregate of \$2 million to one investor (the "Purchaser"), which is a subsidiary of the Strategic Investor and a customer of the Company, pursuant to the terms of a Stock Purchase Agreement (the "SPA"). The SPA provides that following December 17, 2010, the Purchaser shall have the right to demand that the Company cause a registration statement relating to the resale of the Shares to be filed with the SEC (the "Registration Statement") as promptly as practicable and in no event later than 45 days following a written demand for registration (such 45th day, the "Required Filing Date") and to become effective as promptly as practicable and in no event later than 90 days following the earlier of (a) the Required Filing Date and (b) the date such Registration Statement was filed. The Company's obligation to cause the Registration Statement to be filed and to maintain the effectiveness thereof shall expire at such time as the entirety of the Shares can be publicly resold without restriction in the absence of registration. For each thirty day period or portion thereof during which a breach of the registration obligations remains uncured, the Company shall pay to Purchaser 2% of the aggregate Purchase Price. The Company and the Purchaser shall each pay 50% of the costs and expenses associated with the preparation and filing of the Registration Statement provided however the total of such costs and expenses that the Purchaser shall bear shall not exceed \$50,000. The Company did not pay any underwriting discounts or commissions in connection with the issuance of the Shares in this transaction. The sale of the Shares was exempt from registration under Section 4(2) of the Securities Act. The Shares were sold and issued to the Purchaser in

a private transaction without the use of any form of general solicitation or advertising. The underlying securities are “restricted securities” subject to applicable limitations on resale.

On November 11, 2010, the Company adopted an Amended and Restated Transaction Bonus Plan (the “Plan”) to provide an incentive bonus to persons providing services to the Company in connection with the Acquisition Transaction. The Plan provides that the participants named in the Plan who are providing services to the Company in connection with the Strategic Transaction (each, a “Participant”) are entitled to receive, on the terms and conditions set forth in the Plan, 1/3 of the Transaction Bonus Pool (as defined below) (the “Transaction Bonus Award”). The Participants in the Plan are Theo M.M. Kremers, Fred Mulder and Christiaan A. van den Berg, each a director of the Company and providing consulting services to the Company pursuant to consulting agreements dated September 15, 2009. In addition, Mr. Kremers is the Chief Executive Officer of the Company.

The Transaction Bonus Pool consists of warrants (the “Warrants”) to purchase 202,348,282 shares of Company Common Stock (the “Warrant Shares”). The Warrants were issued on November 11, 2010, will vest as set forth below, have a term of five years from the vesting date, contain a cashless exercise provision and piggyback registration rights. The exercise price of the Warrants is \$0.0247.

The Warrants will vest on the date subsequent to the date of issuance that the Company executes the definitive agreements (the “Strategic Investor Agreements”) relating to the Acquisition Transaction (the “Vesting Date”) on the condition that (i) the Warrants are reviewed, and found to be fair to the Company by an independent person or firm with expertise in the area of transaction bonus compensation and (ii) the applicable Participant is providing services to the Company on the Vesting Date unless terminated by the Company other than for Cause (as defined in the Plan), as a result of disability (as defined in the Plan) or death of the Participant, or the Participant has terminated his or its services to the Company for Good Reason (as defined in the Plan). In the event the Strategic Investor does not acquire or vest in all of the Control Shares provided for in the Acquisition Transaction, the Warrants shall nevertheless vest on the Vesting Date and shall remain vested provided the above vesting conditions are satisfied.

Index

Resignation of Dr. Klaus Brandt

On October 21, 2010, Dr. Klaus Brandt resigned as an officer and director of the Company and each of its subsidiaries and affiliates effective October 29, 2010. Dr. Brandt will continue as an employee of GAIA Akkumulatorenwerke GmbH until December 31, 2010 which will be his last day with the Company.

Manning Litigation

Andrew J. Manning, a former employee of the Company, filed a complaint in October 2008, in the Superior Court of New Jersey, Morris County, Law Division, against the Company and other parties, alleging breach of contract, breach of covenant of good faith and fair dealing, negligent misrepresentation, tortious interference with Mr. Manning's economic gain, retaliation, unjust enrichment, and intentional infliction of emotional distress. On December 1, 2010, the Superior Court issued an order granting the Company's motion for summary judgment and dismissing Mr. Manning's complaint with prejudice.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis should be read together with the financial statements and the accompanying notes thereto included elsewhere in this Report.

The following discussion contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934 relating to future events or our future performance. The statements contained in this Report relating to matters that are not historical facts are forward-looking statements that involve risks and uncertainties, including, but not limited to, the successful commercialization of our batteries, future demand for our products, general economic conditions, government and environmental regulation, competition and customer strategies, technological innovations in the battery industries, changes in our business strategy or development plans, capital deployment, business disruptions, our ability to consummate future financings and other risks and uncertainties, certain of which are beyond our control. Additional factors that could affect the Company's forward-looking statements include, among other things: the second amendment of the Company's Form 10-Q for the quarter ended September 30, 2008, and the delay in filing financial statements and periodic reports with the Securities and Exchange Commission for periods ending December 31, 2005 through June 30, 2009 and the financial statements for the quarters ended March 31, 2010 to date; negative reactions from the Company's stockholders, creditors, customer or employees to the results of the review and restatement or delay in providing financial information and periodic reports; the impact and result of any litigation (including private litigation), or of any investigation by the Securities and Exchange Commission or any investigation by any other governmental agency related to the Company; the Company's ability to manage its operations during and after the financial statement restatement process; and the Company's ability to successfully implement internal controls and procedures that remediate any material weakness in controls and ensure timely, effective and accurate financial reporting. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may differ materially from those described herein as anticipated, believed, estimated or expected.

Forward-looking statements are based on management's current views and assumptions and involve known and unknown risks that could cause actual results, performance or events to differ materially from those expressed or implied in those statements.

GENERAL

We are engaged in continuing contract development and limited volume production, in both the United States and Germany, of large format lithium-ion rechargeable batteries used as power sources in advanced applications in the military/defense equipment, transportation and stationary power markets. We have moved from a development and pilot-line production company to a small production business with our lithium-ion rechargeable batteries. The Company will be increasing production capacity by engaging in large volume cell delivery and battery assembly programs. The Company faces challenges in increasing production capacity to meet market demands, which are substantially larger than what the production facility is able to deliver. Insufficient working capital forces the Company to interrupt production from time to time.

Index

The Company focuses on increased commercial activities and focused on generating sufficient sales to increase the production of its unique design of large format cylindrical Li-Ion cells. The Company also designs and assembles batteries using the large format cells. The focus is primarily on transport (thru direct sales), the stationary market (thru direct sales and a non-exclusive distributor agreement) and the military/defense market (thru an exclusive distributor agreement).

In September 2009 the Company received an ISO 9000 certificate for its cell manufacturing activity in Nordhausen Germany.

The focus on heavy duty vehicles in the US market resulted in an agreement with Design Line International in which the Company signed an agreement to build 91 large batteries (approximately 50 KWh). Delivery of the batteries under this agreement commenced in the second quarter of 2009 and is expected to continue into 2011, subject to normal credit terms extended to customers.

RESULTS OF OPERATIONS
SIX AND THREE MONTHS ENDED JUNE 30, 2010 COMPARED TO
SIX AND THREE MONTHS ENDED JUNE 30, 2009

REVENUES FROM PRODUCTS SALES decreased by \$39,000 or 1% in the six months ended June 30, 2010 from \$3,080,000 in the same period in 2009 to \$3,041,000. For the three months period ended June 30, 2010, revenues decreased 25% from \$1,758,000 in 2009 to \$1,324,000 in 2010. The decrease in sales for the three months ended June 30, 2010 can partially be attributed to a 6% depreciation in the Euro to US Dollar exchange rate during that period from the prior year. In addition sales in the domestic operations were down significantly due to a slowdown in the delivery of batteries to a major customer in the U.S. This was partially offset by increased sales in the European operations during the same period. As we are still an initial manufacturing stage enterprise, our mission continues to be to become a leading manufacturer of rechargeable lithium power solutions for advanced military/defense equipment, transportation and stationary power applications. Through increased sales efforts the Company has been successful in increasing the order backlog substantially and for this reason the Company is focusing on the increase of production volumes in order to meet the backlog demand. The production process for cells has been analyzed and optimized to ensure that it is conducive to a substantial increase in production volume. However, the need for working capital limits the Company to increase production volume and its sales.

COST OF GOODS SOLD was \$3,206,000 and \$5,719,000 for the six months ended June 30, 2010 and 2009, respectively. The decrease in the cost of goods sold is a result of cost reduction initiatives taken during 2009 and a significant reduction in production activity during the three months ended June 30, 2010. Cost of goods sold decreased to \$901,000 for the three months ended June 30, 2010 from \$2,645,000 for the three months ended June 30, 2009. Major components of the decrease can be attributed to production overhead (\$400,000), material costs (\$300,000) and labor (\$200,000). During the second quarter production was reduced significantly due to a liquidity shortage that curtailed the Company's ability to purchase the raw materials required to maintain production at full capacity. We continue to look for cheaper sources of raw materials and more efficient production processes. We anticipate relative costs per unit to decline substantially as we achieve larger economies of scale. As our production volume increases, economy of scale will help to decrease the cost of goods sold per cell for both raw material as well as the direct costs such as labor contributed per cell. The productivity per employee will increase and the general overhead costs will be allocated to more cells produced. The need for working capital could limit the Company's ability to achieve the larger economies of scale and reduce its production costs.

ENGINEERING, RESEARCH AND DEVELOPMENT EXPENSES during the six months ended June 30, 2010 decreased by 22% to \$258,000 from \$331,000 in the same period in 2009. Engineering, research and development expenses decreased to \$60,000 for the three months ended June 30, 2010 from \$173,000 for the three months ended

June 30, 2009. External technical and consulting activity was curtailed significantly during the second quarter due to the lack of working capital. These expenses are primarily related to our advancement of technology in large high rate battery for specific customer applications. These expenses also relate to material consumed in the continued refinement of production process, as well as engineering and development time dedicated to advancement of manufacturing processes.

GENERAL AND ADMINISTRATIVE EXPENSES during the six months ended June 30, 2010 increased by 51% to \$2,299,000 from \$1,520,000 in the same period in 2009. This increase is attributable to additional consulting expense related to management (\$250,000), outside service providers (\$300,000), write-off of receivables from a related party (\$177,000), and litigation expenses (\$52,000) as disclosed in Note 8 above. General and administrative expenses increased to \$1,201,000 for the three months ended June 30, 2010 from \$799,000 for the three months ended June 30, 2009. The increase in general and administrative expenses for the three months ended June 30, 2010 is attributable to consulting expense related to management, outside service providers, and litigation expenses.

SALES AND MARKETING EXPENSES were \$372,000 for the six months ended June 30, 2010, versus \$331,000, an increase of 12% from the same period in 2009. The increase is primarily due to costs realized to promote our large format battery applications globally. Sales and marketing expenses increased to \$226,000 for the three months ended June 30, 2010 from \$203,000 for the three months ended June 30, 2009.

Index

DEPRECIATION AND AMORTIZATION during the six months ended June 30, 2010 decreased to \$372,000 from \$423,000 for the same period in 2009. Depreciation expenses for the three months ended June 30, 2010 was \$180,000 compared to \$218,000 for the three months ended June 30, 2009. The decrease is primarily due to the depreciation in exchange rates between the Euro and US Dollar during the six and three months ended June 30, 2010 compared to the same periods ending June 30, 2009.

INTEREST EXPENSE, NET OF INTEREST INCOME for the six months ended June 30, 2010 increased by 84% to \$1,118,000 from \$607,000 in the same period in 2009. The increase is mainly a result of the increased debt financing instruments the Company entered into in 2009, in particular the 10% Related Party Convertible Debenture October 2009 I and II which were not outstanding as of June 30, 2009. Interest expenses increased to \$571,000 for the three months ended June 30, 2010 from \$327,000 for the three months ended June 30, 2009 due to the same reason.

WARRANT INCOME/EXPENSE The Company recognized a gain from changes in fair value of warrants in the amount of \$129,000 for the six month period ended June 30, 2010, as compared to a gain of \$143,000 during the six month period ended June 30, 2009. The change in the fair value of warrants increased to a gain of \$65,000 for the three months ended June 30, 2010 from a loss of \$4,000 for the three months ended June 30, 2009. This is mainly due to a continuing number of Warrants expiring, a decreasing length of time remaining on the Warrants outstanding, a decrease in the share price of the Company's stock, and a decrease in the volatility in the share price of the Company's stock. Warrants classified as liabilities are marked to market at the end of each reporting period using Black-Scholes valuation model. Fluctuations resulting from the valuation of the warrants' liability are reflected as income or expense in the Statement of Operations.

CURRENCY EXCHANGE INCOME/EXPENSE For the six months ended June 30, 2010 the Company recognized a gain of \$2,838,000 from currency exchange primarily due to the depreciation in the exchange rate between the Euro and U.S. Dollar from 1.4333 in December 31, 2009 to 1.2208 in June 30, 2010. Currency exchange income/expense increased to a gain of \$1,690,000 for the three months ended June 30, 2010 from a loss of \$606,000 for the three months ended June 30, 2009. The Company has approximately 13.8 million Euros (repayable in Euros but recorded in US Dollars) in debt and accrued interest outstanding as of June 30, 2010. The gains/losses are mostly unrealized resulting from the fluctuation of the Euro to US Dollar, and are recorded in the Company's Statement of Operations in accordance with FASB ASC 820-20-35 (formerly paragraph 15 of SFAS 52).

NET LOSS TO COMMON SHAREHOLDERS was \$(1,840,000) or \$(0.00) per share for the six months ended June 30, 2010 as compared to a net loss of \$(5,582,000) or \$(0.00) per share for the six months ended June 30, 2009. The decrease in net loss for the six months is mainly due to fluctuations discussed above. The Company had net income of \$64,000 for the three months ended June 30, 2010 compared to a loss of \$(3,048,000) for the same three month period ended June 30, 2009. The net income is mainly due to the unrealized exchange gain recorded during the second quarter of 2010 of \$1,690,000.

ACCUMULATED DEFICIT Since inception, we have incurred substantial operating losses and expect to incur substantial additional operating losses over the next few years. As of June 30, 2010, our accumulated deficit was \$149,823,000.

LIQUIDITY AND FINANCIAL CONDITION

GENERAL

On June 30, 2010, and December 31, 2009 cash and cash equivalents were \$555,000 and \$1,181,000 respectively. Total liabilities on June 30, 2010 and December 31, 2009 were \$28,493,000 and \$29,308,000 respectively. On June 30, 2010, and December 31, 2009 assets included \$1,006,000 and \$1,516,000 in accounts receivable, 1,209,000 and

\$1,819,000 in inventories, net property and equipment consisting of \$5,467,000 and \$6,714,000, and prepaid expenses and other current assets consisting of \$82,000 and \$68,000, respectively. As of June 30, 2010, our working capital deficit was \$15,530,000 as compared to \$13,213,000 on December 31, 2009. As we continue our commercialization efforts to increase sales, decrease raw material prices and refine unit costs of cells, we expect to continue decreasing our operating losses. By decreasing the relative cost price of the cells, operating losses will decrease as well. Our ability to finance our need for working capital, such as raw materials, work in process and accounts receivables, will be crucial for the Company to increase production volumes. Any production standstill due to the shortage of raw materials immediately results in operating losses.

We present our statement of cash flows using the indirect method. Our management has found that investors and analysts typically refer to changes in accounts receivable, inventory and other components of working capital when analyzing operating cash flows. Also, changes in working capital are more directly related to the way we manage our business' cash flow than items such as cash receipts from the sale of goods, which would appear using the direct method.

Net cash used in operating activities was \$1.8 million for the six months ended June 30, 2010 as compared to \$3.2 million in the comparable period for 2009, a decrease of \$1.4 million. The decrease is partly due to the lack of availability of cash during the first six months of 2010. In addition, the decrease in use of operating cash can also be attributed to a lower net loss from operations, during the first six months of 2010 as compared to the same period for 2009.

Capital expenditures were \$106,000 during the six months ended June 30, 2010 compared to \$111,000 in the same six month period of 2009.

Index

Our debt and other liabilities as of June 30, 2010 and December 31, 2009 were as follows:

	June 30, 2010 (unaudited)	December 31, 2009
Current debt is summarized as follows:		
Loans From Financial Institutions	\$22,000	\$ 35,000
Silent Partner loans-TBG	1,519,000	1,962,000
July 2007 10% Convertible Debenture	3,247,000	3,247,000
Sub total current debt	4,788,000	5,244,000
Related party debt		
Promisory note to Archhill	1,407,000	1,814,000
10% Related Party Conv. Deb. Oct 2009 I, net of discount	1,546,000	1,750,000
10% Related Party Conv. Deb. Oct 2009 II, net of discount	2,372,000	2,470,000
10% Related Party Conv. Note van Hessen Interest	883,000	-
10% Related Party Conv. Deb. Q2 2010	1,038,000	-
Sub total related party debt	7,246,000	6,034,000
Long term debt		
June 2008, 9% Convertible Note	8,851,000	10,392,000
9% Related party convertible debenture	1,260,000	1,479,000
Sub Total Long term debt	10,111,000	11,871,000
Warrant liability	20,000	150,000
Total debt	\$22,165,000	\$ 23,299,000

For more detailed information on our term liabilities, see Note 7 to our financial statements contained herein.

FINANCING TRANSACTIONS

We have financed our operations since inception primarily through equity and debt financings, loans from shareholders and other related parties, loans from silent partners and bank borrowings secured by assets. We have recently entered into a number of financing transactions and are continuing to seek other financing initiatives. From January to June 2010, we raised approximately \$1.1 million in debt financing transactions. (See details under 10% Related Party Convertible Debenture Q2 2010 in Note 7 above). We also raised additional funds through the following financing transactions subsequent to June 30, 2010 (see Note 13).

10% Related Party Convertible Debentures Q2 2010

The Company sold and issued additional 10% Related Party Convertible Debenture Q2 2010 to the Lender from July 16 to September 13, 2010 for a total of Euros 75,000 (approximately U.S. \$95,000). The issuances were on the same terms and conditions described in Note 7 above.

June 2008 9% Convertible Notes

In September 2010, the Company received an additional subscription and cash relating to the June 2008 9% Convertible Note described in Note 7 above from an institutional investor for a total of Euros 125,000 (approximately U.S. \$161,000) under the same terms and conditions described in Note 7 above.

Common Stock Financing

On September 28, 2010, the Company executed an Agreement on Key Terms (the “Term Sheet”) between the Company and the strategic party named therein (the “Strategic Investor”) relating to a series of strategic transactions (the “Acquisition Transaction”) pursuant to which the Strategic Party, which is a subsidiary of a customer of the Company, may over the time period set forth in the Term Sheet increase its equity ownership in the Company to more than 50% of the outstanding securities of the Company (the “Control Shares”). The Acquisition Transaction is subject to completion of definitive agreements and requisite approvals. The closing is expected to take place by year end.

On October 25, 2010, the Company closed on the sale of 83,333,333 shares of Common Stock (the “Shares”) for an aggregate of \$2 million to one investor (the “Purchaser”), which is a subsidiary of the Strategic Investor and a customer of the Company, pursuant to the terms of a Stock Purchase Agreement (the “SPA”). The SPA provides that following December 17, 2010, the Purchaser shall have the right to demand that the Company cause a registration statement relating to the resale of the Shares to be filed with the SEC (the “Registration Statement”) as promptly as practicable and in no event later than 45 days following a written demand for registration (such 45th day, the “Required Filing Date”) and to become effective as promptly as practicable and in no event later than 90 days following the earlier of (a) the Required Filing Date and (b) the date such Registration Statement was filed. The Company’s obligation to cause the Registration Statement to be filed and to maintain the effectiveness thereof shall expire at such time as the entirety of the Shares can be publicly resold without restriction in the absence of registration. For each thirty day period or portion thereof during which a breach of the registration obligations remains uncured, the Company shall pay to Purchaser 2% of the aggregate Purchase Price. The Company and the Purchaser shall each pay 50% of the costs and expenses associated with the preparation and filing of the Registration Statement provided however the total of such costs and expenses that the Purchaser shall bear shall not exceed \$50,000. The Company did not pay any underwriting discounts or commissions in connection with the issuance of the Shares in this transaction. The sale of the Shares was exempt from registration under Section 4(2) of the Securities Act. The Shares were sold and issued to the Purchaser in a private transaction without the use of any form of general solicitation or advertising. The underlying securities are “restricted securities” subject to applicable limitations on resale.

Index

We will need to raise additional capital to meet our working capital needs and to complete our product commercialization process. Such capital is expected to come from the sale of securities. No assurances can be given that such financing will be available in sufficient amounts or at all. If such financing is not available, there can be no assurance that Arch Hill Capital or any other major shareholder will provide any further funding.

The following is a general description of our existing debt and equity financing transactions. See also the Notes to Unaudited Condensed Consolidated Financial Statements included with this Report.

LOANS FROM FINANCIAL INSTITUTIONS

GAIA has two loans from financial institutions, which totaled \$22,000 and \$35,000 as of June 30, 2010 and December 31, 2009, respectively, and are collateralized by the specific assets financed by the loans and bear interest at standard European commercial rates which were 7% as of both June 30, 2010 and December 31, 2009.

SILENT PARTNERSHIP LOANS - TBG

See details of this debt in Note 7 to our financial statements above. The total amount payable to TBG under the Partnership Agreements at June 30, 2010 and December 31, 2009 was \$1,519,000 and \$1,962,000, respectively. The decrease in the amount of the debt is due to the depreciation in exchange rates between the Euro and US Dollar from December 31, 2009 to June 30, 2010. Due to cash shortages, GAIA has made only one quarterly payment during 2010 and discussions with TBG are in process to amend the repayment schedule.

JULY 2007 10% CONVERTIBLE DEBENTURE

See details of this debt in Note 7 to our financial statements above. In January 2010, because of the Company's inability to pay the accrued interest, the Note holder called the security with Arch Hill Ventures. As a result, as of January 1, 2010 the accrued interest of \$883,000 was converted to a non-secured 10% Related Party Convertible Note due to Arch Hill Ventures. The maturity date on the principal amount of U.S. \$3,247,000 was extended until January 1, 2011.

PROMISSORY NOTE RELATED PARTY

See details of this debt in Note 7 to our financial statements above. The total amounts were \$1,407,000 and \$1,814,000 as of June 30, 2010 and December 31, 2009, respectively. The decrease in the amount of the debt is primarily due to the depreciation in exchange rates between the Euro and US Dollar from December 31, 2009 to June 30, 2010, and the off-setting of the balance of miscellaneous related party receivables.

JUNE 2008 9% CONVERTIBLE NOTES

See details of this debt in Note 7 to our financial statements above. The Company has a balance of \$8,851,000 and \$10,392,000 outstanding under these notes as of June 30, 2010 and December 31, 2009, respectively. The decrease in the amount of the debt is primarily due to the depreciation in exchange rates between the Euro and US Dollar from December 31, 2009 to June 30, 2010. As of June 30, 2010 and December 31, 2009, Euros 1,059,000 (approximately \$1,293,000) and Euros 746,000 (approximately \$1,069,000) accrued in interest for these notes, respectively.

9% RELATED PARTY CONVERTIBLE DEBENTURE MARCH 2009

See details of this debt in Note 7 to our financial statements above. The Company has a balance of \$1,260,000 and \$1,479,000 outstanding under these debentures as of June 30, 2010 and December 31, 2009, respectively. The

decrease in the amount of the debt is primarily due to the depreciation in exchange rates between the Euro and US Dollar from December 31, 2009 to June 30, 2010. The accrued interest on this debt is Euros 74,000 (approximately U.S. \$107,000) as of December 31, 2009 and Euros 119,000 (approximately U.S. \$146,000) as of June 30, 2010.

Index

10% RELATED PARTY CONVERTIBLE DEBENTURE OCTOBER 2009 I

See details of this debt in Note 7 to our financial statements above. The Company has a balance of \$1,546,000 and \$1,750,000 outstanding (net of debt discount related to a beneficial conversion feature) under these debentures as of June 30, 2010 and December 31, 2009, respectively. The decrease in the amount of the debt is primarily due to the depreciation in exchange rates between the Euro and US Dollar from December 31, 2009 to June 30, 2010. The accrued interest as of June 30, 2010 was Euros 77,000 (approximately U.S. \$94,000) and December 31, 2009 was Euros 13,000 (approximately U.S. \$19,000).

10% RELATED PARTY CONVERTIBLE DEBENTURE OCTOBER 2009 II

See details of this debt in Note 7 to our financial statements above. The Company has a balance of \$2,372,000 and \$2,470,000 outstanding (net of debt discount related to a beneficial conversion feature) under these debentures as of June 30, 2010 and December 31, 2009, respectively. The decrease in the debt balance is due to additional cash received on this convertible debenture of Euros 200,000 (approximately U.S. \$290,000) on January 15, 2010, net of the impact of the depreciation in exchange rates between the Euro and US Dollar from December 31, 2009 to June 30, 2010. The accrued interest as of June 30, 2010 was Euros 113,000 (approximately U.S. \$138,000) and as of December 31, 2009 was Euros 16,000 (approximately U.S. \$23,000).

10% RELATED PARTY CONVERTIBLE NOTE JANUARY 2010

See details of this debt in Note 7 to our financial statements above. The Company has a balance of \$883,000 outstanding under this Note as of June 30, 2010. As of June 30, 2010, the accrued interest on this Note is approximately \$44,000.

WARRANT LIABILITY

See details of liability for outstanding warrants issued in Note 7 to our financial statements above. The Company has not issued any additional warrants during the six months ended June 30, 2010, and no outstanding warrants expired during the same period.

MANAGEMENT'S PLANS TO OVERCOME OPERATING AND LIQUIDITY DIFFICULTIES

Over the past ten years, we have focused our unique extrusion-based large format cylindrical cell manufacturing process, cell technology, large battery assembly expertise, and market activities to concentrate on large-format, high rate battery applications. Our commercialization efforts are focused on applying our lithium-ion rechargeable batteries in the national security, transportation and stationary power markets.

Our operating plan seeks to minimize our capital requirements, but expansion of our production capacity to meet increasing sales and refinement of our manufacturing process and equipment will require additional capital. Based on our backlog, we expect that sales will increase as a result of our increased sales and marketing efforts. We also expect that operating and production expenses will increase accordingly as we continue to ramp up our production and continue our battery technology and develop, produce, sell and license products for commercial applications. However, the ability to achieve our operating plan is dependent on the ability to raise sufficient working capital to fund the operations.

Management implemented a more aggressive pricing structure through price reductions to be able to address the market more aggressively in order to obtain larger volume contracts. This approach already resulted in an increase of sales but also a substantial increase of the order backlog. The inventory of finished goods has been valued based upon

this more aggressive pricing structure. Due to shortage in the market place management sees an upwards trend regarding the pricing the market is willing to bear for a KWh of stored energy.

From January 1 to June 30, 2010, we raised approximately \$1.1 million in debt financing transactions. We raised additional funds through the following financing transactions subsequent to June 30, 2010 (see Note 13):

10% Related Party Convertible Debentures Q2 2010

The Company sold and issued additional 10% Related Party Convertible Debentures Q2 2010 to the Lender from July 16 to September 13, 2010 for a total of Euros 75,000 (approximately U.S. \$95,000). The issuances were on the same terms and conditions described in Note 7 above.

Index

June 2008 9% Convertible Notes

In September 2010, the Company received an additional subscription and cash relating to the June 2008 9% Convertible Note described in Note 7 above from an institutional investor for a total of Euros 125,000 (approximately U.S. \$161,000) under the same terms and conditions described in Note 7 above.

Common Stock Financing

On October 25, 2010, the Company closed on the sale of 83,333,333 shares of Common Stock (the “Shares”) for an aggregate of \$2 million to one investor (the “Purchaser”), which is a subsidiary of a customer of the Company, pursuant to the terms of a Stock Purchase Agreement (the “SPA”). See details of this transaction in Note 13 above.

We are continuing to seek other financing initiatives. We need to raise additional capital to meet our working capital needs, for the repayment of debt and for capital expenditures. Such capital is expected to come from the sale of securities and debt financing. We believe that if we raise approximately \$7 million in debt and equity financings, we would have sufficient funds to meet our needs for working capital and expansion capital expenditures over the next twelve months. This amount does not cover the repayment of any convertible debenture with a maturity date of December 31, 2010, (approximately \$9 million as at June 30, 2010). Negotiations are currently in progress with the respective lenders to extend the maturity date to June 30, 2013. With these funds the Company will be able to expand the production capacity to approximately 20MWh per annum and to expand battery assembly activities in both the US and in Europe. After these investments the existing production facility in Nordhausen will not be able to expand further. If additional production capacity is necessary, the Company will need a substantial amount of new capital to build a new facility. The ultimate location will depend on the regional market needs (if any).

No assurance can be given that we will be successful in completing any financings at the minimum level necessary to fund our capital equipment, debt repayment or working capital requirements, or at all. If we are unsuccessful in completing these financings, we will not be able to meet our working capital, debt repayment or capital equipment needs or execute our business plan. In such case we will assess all available alternatives including a sale of our assets or merger, the suspension of operations and possibly liquidation, auction, bankruptcy, or other measures.

GOING CONCERN MATTERS

Our accompanying consolidated financial statements have been prepared on a going concern basis, which contemplates the continuation of operations, realization of assets and liquidation of liabilities in the ordinary course of business. Since inception, we have incurred substantial operating losses and expect to incur additional operating losses over the next several years. As of June 30, 2010, we had an accumulated deficit of approximately \$149,823,000. We have financed our operations since inception primarily through equity financings, loans from shareholders and other related parties, loans from silent partners and bank borrowings secured by assets. We have recently entered into a number of financing transactions and are continuing to seek other financing initiatives. We will need to raise additional capital to meet our working capital needs and to complete our product commercialization process. Such capital is expected to come from the sale of securities and debt financing. No assurances can be given that such financing will be available in sufficient amounts or at all. Continuation of our operations in the future is dependent upon obtaining such further financing. These conditions raise substantial doubt about our ability to continue as a going concern. The accompanying consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

CRITICAL ACCOUNTING ESTIMATES AND POLICIES

Our discussion of results of operations and financial condition relies on our condensed consolidated financial statements that are prepared based on certain critical accounting estimates that require management to make judgments and estimates that are subject to varying degrees of uncertainty. We believe that investors need to be aware of these estimates and how they impact our financial statements as a whole, as well as our related discussion and analysis presented herein. While we believe that these accounting estimates are based on sound measurement criteria, actual future events can and often do result in outcomes that can be materially different from these estimates or forecasts.

The critical accounting estimates and related risks described in our Annual Report on Form 10-K for the fiscal year ended December 31, 2009 are those that depend most heavily on these judgments and estimates. As of June 30, 2010, there have been no material changes to any of the critical accounting estimates contained in our 2009 Annual Report on Form 10-K.

As of June 30, 2010, there have been no material changes to any of our significant accounting policies contained in our 2009 Annual Report on Form 10-K other than the expanded description of our revenue recognition policy described below.

Index

REVENUES

Revenue is recognized as services are rendered or products are delivered, the price to the buyer is fixed and determinable, and collectability is reasonably assured. The production time of the Company's battery cells and assembled battery units to various clients is generally less than three months. Revenues and cost of revenues from these battery cells and assembled battery units are generally recorded at the time each battery is delivered and title and possession are transferred to the buyer. Services the Company provides to its customers include the design of customer specific solutions, assembly of batteries and testing to ensure they are operating properly. We may also provide services in the form of support for customers who own batteries manufactured by us. These services may include assembly and testing of battery management systems. The Company believes that the services it provides in connection with battery design, assembly and initial testing have no stand alone value and as such do not meet the criteria for separate units of accounting under the revenue recognition guidance for multiple element arrangements in ASC 605-25. As such, revenue for these multiple-element arrangements is recognized at the time all elements are provided.

We may be engaged in providing additional services to customers who purchased our batteries without a warranty agreement. These services may involve diagnostics and repair work provided by our technicians. These services are treated as stand-alone agreements and revenue related to them is recognized as services are provided. We do not provide services to organizations that do not currently own our batteries (products) that we delivered.

The Company may also be contracted by certain customers for large battery units that may take more than three months to complete. For such large battery units contracts that take more than three months to design, manufacture, assemble, deliver and install, the Company uses the percentage of completion method to account for revenue and cost in accordance with ASC guidelines. For these contracts, revenues are calculated based on the percentage of total costs incurred (primarily material and labor) to total estimated costs at completion.

In cases where batteries are sold to a customer with a warranty agreement, a percentage of product revenues (based on past experience) is provided to cover the cost of warranty, and the liability for such potential future cost is included in our balance sheet under "other current liabilities and accrued expenses".

Generally, sales terms are Free on Board (FOB) origin. Trade accounts receivable potentially subject the Company to credit risk. The Company extends credit to its customers based upon an evaluation of the customer's financial condition and credit history and generally does not require collateral.

Please see Note 3 in the Notes to the Unaudited Consolidated Financial Statements above for a description of new and recently adopted accounting pronouncements.

RISK FACTORS AFFECTING OUR COMPANY

The risk factors affecting our Company were described in our Annual Report on Form 10-K for the fiscal year ended December 31, 2009. As of June 30, 2010, there have been no material changes to the risk factors contained in our 2009 Annual Report on Form 10-K other than the following:

- **WE FACE RISKS RELATED TO LATE SEC FILINGS.** The delay in the completion of the audit of the Company's year- end financial statements and reviews of the quarters' financial statements for the periods ending December 31, 2005 through June 30, 2009, and the financial statements for the quarters ending March 31, 2010 to date may lead to litigation claims and/or regulatory proceedings against us and may negatively impact our financing efforts. This delay also impacted our ability to trade our shares on the OTC Bulletin Board and we were delisted in 2006, although our shares continued to be traded and reported in the Pink Sheets Electronic Quotation Service. The

defense of any such claims or proceedings may cause the diversion of management's attention and resources, and we may be required to pay damages if any such claims or proceedings are not resolved in our favor. Any litigation or regulatory proceeding, even if resolved in our favor, could cause us to incur significant legal and other expenses. We also may have difficulty raising equity capital or obtaining other financing. We may not be able to effectuate our current business strategy. The occurrence of any of the foregoing could harm our business and reputation and cause the price of our securities to decline.

- **WORLDWIDE RECESSION AND DIFFICULT ECONOMY.** The slowdown in economic activity during the last three years caused by the ongoing global recession, the reduced availability of liquidity and credit has affected our business and ability to get financing. Difficult financial and economic conditions may adversely affect our customers' ability to meet the terms of sale or our suppliers' ability to fully perform according to their commitments to us.

Investors should carefully consider the risk factors described in our Annual Report on Form 10-K for the fiscal year ended December 31, 2009, in addition to the other information concerning the factors affecting forward-looking statements. Each of the risk factors could adversely affect business, operating results and financial condition as well as adversely affect the value of an investment in us.

Index

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Not applicable.

ITEM 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

We have carried out an evaluation, under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer of the effectiveness of the design and operation of our disclosure controls and procedures pursuant to Exchange Act Rule 13a-14. Based upon that evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were not effective in timely alerting them to material information relating to the Company (including our subsidiary) required to be included in our periodic Securities and Exchange Commission filings. Additionally we do not have the ability to summarize and report information which we are required to file in periodic reports under the Securities Exchange Act of 1934 within the time periods specified in the Commission's rules. Changes are being made in our internal controls and other factors that will improve our controls subsequent to the date of their evaluation.

Our management assessed the effectiveness of our internal control over financial reporting as of June 30, 2010. In making this assessment, management used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control – Integrated Framework. Based on our assessment, management believes that, as of June 30, 2010, our internal control over financial reporting was not effective due to the following:

- (1) certain adjustments were made to such financial statements after being identified by our independent registered accounting firm.
- (2) certain disclosures required by GAAP were incorporated in such financial statements and the notes thereto after being identified by our independent registered accounting firm.
- (3) inability to summarize and report financial information on a timely basis.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statement preparation and presentation. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

The Company acknowledges that certain weaknesses need to be addressed. The Company intends to develop adequate policies and procedures to ensure that adequate internal controls are in place to allow for effective and timely management and reporting.

Changes in Internal Controls

There were no changes in the Company's internal control over financial reporting that occurred during the quarter ended June 30, 2010 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

PART II.
OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

Please see details of our litigation with Andrew J. Manning, a former employee of the Company, described in Note 8 to our financial statements above.

From time to time, the Company is a defendant or plaintiff in various legal actions which arise in the normal course of business. As such the Company is required to assess the likelihood of any adverse outcomes to these matters as well as potential ranges of probable losses. A determination of the amount of the provision required for these commitments and contingencies, if any, which would be charged to earnings, is made after careful analysis of each matter. The provision may change in the future due to new developments or changes in circumstances. Changes in the provision could increase or decrease the Company's earnings in the period the changes are made.

ITEM 1A. RISK FACTORS

As a "smaller reporting company" as defined by Item 10 of Regulation S-K, the Company is not required to provide information required by this Item.

Index

ITEM 2. UNREGISTERED SALES OF SECURITIES AND USE OF PROCEEDS

The Company closed on a convertible debt financing with Stichting Gemeenschappelijk Bezit LTC (the “Lender”) from March 19, 2010 to September 13, 2010 for a total of Euros 925,000 (approximately U.S. \$1.2 million). As of June 30, 2010, Euros 851,000 (approximately U.S. \$1.1 million) had been received by the Company. The Company issued convertible debentures (the “Convertible Debenture”) to the Lender in connection with this 10% Related Party Convertible Debenture Q2 2010 financing. Each Convertible Debenture is convertible at \$0.04 per share into Company common stock or any equity securities issued by the Company after the date of issuance of the Convertible Debenture. Each Convertible Debenture accrues interest at 10% per annum and is due and payable on December 31, 2010 (the “Maturity Date”). The Company did not pay any underwriting discounts or commissions in connection with the issuance of the Convertible Debenture in this transaction. The sale and issuance of the Convertible Debentures was exempt from registration under Section 4(2) of the Securities Act. The Convertible Debentures were sold to an accredited investor in a private transaction without the use of any form of general solicitation or advertising.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES

None.

ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS

None.

ITEM 5. OTHER INFORMATION

None.

ITEM 6. EXHIBITS

The following Exhibits are filed as part of this Report or incorporated herein by reference:

4.9 Form of January 2010 10% Convertible Note (2)

4.10 Form of Q2 2010 10% Convertible Debenture (2)

4.11 Subscription Agreement for €125,000 to June 2008 9% Convertible Note (2)

10.26 Form of Stock Purchase Agreement dated October 25, 2010 (2)

10.27 Amended and Restated Transaction Bonus Plan (the “Plan”) (1)

10.28 Form of Bonus Warrants issued pursuant to the Plan (1)

10.29 Extension Agreement dated January 1, 2010 for July 2007 10% Convertible Debenture +

31.1 Certification of Chief Executive Officer pursuant to Section 302 of the Sarbanes Oxley Act of 2002 +

31.2 Certification of Chief Financial Officer pursuant to Section 302 of the Sarbanes Oxley Act of 2002 +

32.1

Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 +

32.2 Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 +

+ Exhibit filed herewith in this Report.

(1) Incorporated by reference to LTC's Form 8-K dated November 12, 2010.

(2) Incorporated by reference to exhibits filed with LTC's Form 10-Q for the three months ended March 31, 2010 filed on November 24, 2010.

Index

SIGNATURES

In accordance with Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

LITHIUM TECHNOLOGY CORPORATION

Date: December 10, 2010

BY: /s/ Theo M. M. Kremers
Theo M. M. Kremers
Chief Executive Officer
(Principal Executive Officer)

LITHIUM TECHNOLOGY CORPORATION

Date: December 10, 2010

BY: /s/ Timothy J. Ryder
Timothy J. Ryder
Chief Financial Officer
(Principal Financial Officer)