

LITHIUM TECHNOLOGY CORP  
Form 10-Q  
October 09, 2009

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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, 2009

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 accelerates 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.

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

(Do not check if a 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 October 5, 2009, 1,734,752,199 shares of common stock.

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LITHIUM TECHNOLOGY CORPORATION AND SUBSIDIARIES  
 FORM 10-Q  
 FOR THE QUARTER ENDED JUNE 30, 2009  
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IndexPART I.  
FINANCIAL INFORMATION

## ITEM 1. FINANCIAL STATEMENTS

LITHIUM TECHNOLOGY CORPORATION AND SUBSIDIARIES  
CONDENSED CONSOLIDATED BALANCE SHEETS

	June 30, 2009 (unaudited)	December 31, 2008 (audited)
<b>ASSETS</b>		
<b>CURRENT ASSETS:</b>		
Cash and cash equivalents	\$ 876,000	\$ 792,000
Accounts receivable	677,000	164,000
Inventories	976,000	2,623,000
Prepaid expenses and other current assets	210,000	173,000
Total current assets	\$ 2,739,000	\$ 3,752,000
Property and equipment, net	6,575,000	6,933,000
Related party receivables	215,000	274,000
Other assets	148,000	148,000
Total assets	\$ 9,677,000	\$ 11,107,000
<b>LIABILITIES AND STOCKHOLDERS DEFICIT</b>		
<b>CURRENT LIABILITIES:</b>		
Accounts payable	1,628,000	1,318,000
Accrued salaries	286,000	517,000
Accrued interest	1,485,000	954,000
Related parties debt	5,450,000	5,404,000
Current portion of long term debts	5,395,000	5,491,000
Other current liabilities and accrued expenses	1,169,000	1,136,000
Warrant liability	115,000	292,000
Total current liabilities	\$ 15,528,000	\$ 15,112,000
Long term debt	10,677,000	6,785,000
Total liabilities	\$ 26,205,000	\$ 21,897,000
<b>COMMITMENTS AND CONTINGENCIES</b>		
<b>STOCKHOLDERS DEFICIT</b>		
Total Preferred Stock Authorized 100,000,000		
Convertible Preferred stock B, par value \$.01 per share, authorized: 100,000, issued and outstanding: 100,000 at June 30, 2009 and December 31, 2008		
	\$ 1,000	\$ 1,000
Convertible Preferred stock C, par value \$.01 per share, authorized 300,000, issued and outstanding: 233,200 at June 30, 2009 and December 31, 2008		
	2,000	2,000

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Common stock, par value \$.01 per share, authorized - 3,000,000,000 at June 30, 2009 and 750,000,00 at December 31, 2008 ; issued and outstanding - 746,397,618 at June 30, 2009 and 745,924,782 at December 31, 2008	7,464,000	7,459,000
Additional paid-in capital	122,557,000	122,528,000
Cumulative translation adjustments	(3,497,000 )	(3,307,000 )
Accumulated deficit	(143,055,000)	(137,473,000)
Total stockholders deficit	\$(16,528,000 )	\$(10,790,000 )
Total liabilities and stockholders deficit	\$9,677,000	\$11,107,000

See accompanying notes to condensed consolidated financial statements.

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

	SIX MONTHS ENDED		THREE MONTHS ENDED	
	JUNE 30,		JUNE 30,	
	2009	2008	2009	2008
	(unaudited)	(unaudited)	(unaudited)	(unaudited)
<b>REVENUES</b>				
Products and services sales	\$3,080,000	\$2,296,000	\$1,758,000	\$1,728,000
<b>COSTS AND EXPENSES</b>				
Cost of goods sold	5,719,000	3,687,000	2,645,000	2,153,000
Engineering, research and development	331,000	1,489,000	173,000	749,000
General and administrative	1,520,000	3,104,000	799,000	1,472,000
Sales and marketing	331,000	356,000	203,000	259,000
Depreciation	94,000	164,000	48,000	74,000
Total costs and expenses	7,995,000	8,800,000	3,868,000	4,707,000
Income (Loss) from operations	(4,915,000 )	(6,504,000 )	(2,110,000 )	(2,979,000 )
<b>OTHER INCOME (EXPENSE)</b>				
Warrant expense/change in fair value (income)	143,000	8,423,000	(4,000 )	(2,344,000 )
Interest expense, net of interest income	(607,000 )	(210,000 )	(327,000 )	(82,000 )
Interest expense related to amortization of discount on convertible debt	-	(3,772,000 )	-	(74,000 )
Currency exchange income (expense)	(219,000 )	-	(606,000 )	-
Other	16,000	241,000	(1,000 )	136,000
Total other income (expense)	(667,000 )	4,682,000	(938,000 )	(2,364,000 )
NET INCOME (LOSS)	\$(5,582,000 )	\$(1,822,000 )	\$(3,048,000 )	\$(5,343,000 )
Discount related to beneficial conversion feature of Preferred Stock	-	(2,147,000 )	-	-
NET INCOME (LOSS) TO COMMON SHAREHOLDERS	\$(5,582,000 )	\$(3,969,000 )	\$(3,048,000 )	\$(5,343,000 )
<b>OTHER COMPREHENSIVE INCOME (LOSS)</b>				
Currency translation adjustments	(190,000 )	257,000	(84,000 )	4,000
COMPREHENSIVE INCOME (LOSS)	\$(5,772,000 )	\$(3,712,000 )	\$(3,132,000 )	\$(5,339,000 )
Weighted average number of common shares outstanding:	1,593,109,329	1,542,959,622	1,593,190,762	1,575,522,095
Basic and diluted net (loss)/income per share	\$(0.00 )	\$(0.00 )	\$(0.00 )	\$(0.00 )

See accompanying notes to condensed consolidated financial statements.



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

	Six Months Ended June 30, 2009	Six Months Ended June 30, 2008
<b>CASH FLOW FROM OPERATING ACTIVITIES</b>		
Net Income / (Net loss)	\$(5,582,000)	\$(1,822,000)
Adjustments		
Depreciation expense	423,000	583,000
Currency transaction loss (gain)	219,000	-
Warrant income/change in fair value	(143,000 )	(8,423,000)
Interest expense beneficial conversion feature	-	3,772,000
(Increase)/decrease in assets		
Inventories	1,647,000	188,000
Accounts receivable	(454,000 )	(95,000 )
Prepaid expenses and other assets	(37,000 )	251,000
Increase/(Decrease) in liabilities		
Accounts payable & accrued expenses	887,000	(287,000 )
Other current liabilities	(197,000 )	(241,000 )
Net cash used in operating activities	(3,237,000)	(6,074,000)
<b>CASH FLOW FROM INVESTING ACTIVITIES</b>		
Capital Expenditures	(111,000 )	(541,000 )
Net cash used in investing activities	(111,000 )	(541,000 )
<b>CASH FLOW FROM FINANCING ACTIVITIES</b>		
Repayment of debt	(90,000 )	-
Proceeds from loans from related parties	658,000	-
Proceeds from issuance of convertible debt	3,013,000	2,242,000
Proceeds from exercise of warrants	-	512,000
Proceeds from equity issuance	-	-
Net cash provided by financing activities	3,581,000	2,754,000
NET (DECREASE) INCREASE IN CASH AND CASH EQUIVALENTS	233,000	(3,861,000)
CURRENCY EFFECTS ON CASH AND CASH EQUIVALENTS	(149,000 )	58,000
CASH AND CASH EQUIVALENTS, BEGINNING OF PERIOD	792,000	4,458,000
CASH AND CASH EQUIVALENTS, END OF PERIOD	\$ 876,000	\$ 655,000

See accompanying notes to consolidated financial statements.



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LITHIUM TECHNOLOGY CORPORATION  
AND SUBSIDIARIES

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

NOTE 1—BASIS OF PRESENTATION

The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America and rules and regulations of the Securities and Exchange Commission (the “SEC”) applicable to interim periods. In the opinion of management, all adjustments considered necessary for a fair presentation have been included. These financial statements should be read in conjunction with the Company’s financial statements included in the Company’s Annual Report on Form 10-K as amended filed with the Securities and Exchange Commission for the year ended December 31, 2008. Operating results for the interim periods shown in this report are not necessarily indicative of the results for the full year.

Certain prior year amounts have been reclassified to conform to current year presentation.

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. Hence, the historical financial statements of GAIA Holding became the historical financial statements of the Company and include the results of operations of LTC only from the acquisition date of October 4, 2002.

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 was in the development stage from February 12, 1999 through December 31, 2005. The year 2006 was the first year for which the Company was considered an operating company and was no longer in development stage.

The Company considers itself to have one operating segment. The Company is an early stage pilot-line 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. 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 will initially be assembled in Nordhausen Germany. During the second quarter of 2009 the Company was able to raise approximately \$1.8 million in net proceeds in debt financing (See Note 7). 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, repayment of debt, capital expenditures and expansion plans over the next twelve months.

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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, 2009, there have been no material changes to any of our significant accounting policies other than the changes related to implementation of EITF 07-05 as described below.

Recently Issued Accounting Standards

In June 2008, the FASB issued EITF 07-5, "Determining Whether an Instrument (or Embedded Feature) Is Indexed to an Entity's Own Stock." EITF 07-5 provides guidance in assessing whether an equity-linked financial instrument (or embedded feature) is indexed to an entity's own stock for purposes of determining whether the appropriate accounting treatment falls under the scope of SFAS 133, Accounting For Derivative Instruments and Hedging Activities" and/or EITF 00-19, Accounting For Derivative Financial Instruments Indexed to, and Potentially Settled in, a Company's Own Stock." EITF 07-05 is effective as of the beginning of our 2009 fiscal year. The adoption of this EITF did not have material impact on the Company's consolidated results of operations and financial condition. See Note 7 Debt for discussion.

In June 2009, the FASB issued SFAS No. 165, "Subsequent Events" ("SFAS 165"). Prior to SFAS 165, the authoritative guidance for subsequent events was previously addressed only in U.S. auditing standards. SFAS 165 establishes general standards of accounting for and disclosure of events that occur after the balance sheet date but before financial statements are issued or are available to be issued and requires the Company to disclose the date through which it has evaluated subsequent events and whether that was the date the financial statements were issued or available to be issued. SFAS 165 does not apply to subsequent events or transactions that are within the scope of other applicable generally accepted accounting principles in the United States ("GAAP") that provide different guidance on the accounting treatment for subsequent events or transactions. The Company adopted SFAS 165 for the period ended June 30, 2009. As a consequence of this adoption, Management has evaluated events relating to the three months and six months ended June 30, 2009 through and including October 9, 2009, the date of issue of the Company's Condensed Financial Statements.

In June 2009, the FASB issued SFAS No. 168, "The FASB Accounting Standards Codification and the Hierarchy of Generally Accepted Accounting Principles – a Replacement of FASB Statement No. 162" ("SFAS 168"). This Statement identifies the sources of accounting principles and the framework for selecting the principles used in the preparation of financial statements of nongovernmental entities that are presented in conformity with generally accepted accounting principles (GAAP) in the United States (the GAAP hierarchy). This Statement establishes the Codification as the source of authoritative GAAP recognized by the FASB to be applied by nongovernmental entities. Rules and interpretive releases of the SEC under federal securities laws are also sources of authoritative GAAP for SEC registrants. All guidance contained in the Codification carries an equal level of authority. This Statement is effective

for financial statements issued for interim and annual periods ending after September 15, 2009. The Company does not believe that SFAS 168 will have a material effect on its consolidated results of operations or financial condition.

NOTE 4—INVENTORIES

Inventories primarily include raw materials and auxiliary materials required for the production process.

Inventories at June 30, 2009 and December 31, 2008 are made up of the following:

	June 30, 2009 (unaudited)	December 31, 2008 (audited)
Finished Goods	\$208,000	\$1,014,000
Work In Process	217,000	808,000
Raw Materials	551,000	801,000
	\$976,000	\$2,623,000

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## NOTE 5—PROPERTY AND EQUIPMENT

Property and equipment at June 30, 2009 and December 31, 2008 is summarized as follows:

	June 30, 2009 (unaudited)	December 31, 2008 (audited)
Land and buildings	\$4,146,000	\$3,910,000
Technical and laboratory equipment	8,154,000	8,352,000
Asset under construction and equipment deposit	356,000	285,000
Office equipment and other	796,000	1,244,000
Sub Total	13,452,000	13,791,000
Less: Accumulated depreciation and amortization	(6,877,000 )	(6,858,000 )
	\$6,575,000	\$6,933,000

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

## 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 35%. 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 participation’s are not deductible for Dutch corporate income tax purposes, unless those cost 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.

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. The breakdown of the deferred tax asset as of June 30, 2009 is as follows:

	June 30, 2009 (unaudited)		
	Foreign	Domestic	Total
Tax loss carry forwards	\$25,398,000	\$22,945,000	\$48,343,000
Less valuation allowance	(25,398,000)	(22,945,000)	(48,343,000)
	\$-	\$-	\$-

As a result of the Company's continuing tax losses, the Company has recorded a full valuation allowance against a net deferred tax asset. Additionally, the Company has not recorded a liability for unrecognized tax benefits subsequent to the adoption of FIN 48.

The last nine years remain open to examination by the major taxing jurisdictions to which the Company is subject as a result of not filing tax returns for certain of those years.

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, over the period 2001-2004. In the 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 claim is that on the value of the transfer both Value Added Tax and Corporate tax had to be filed and paid. The amounts which in the view of the German Tax authorities should have been paid over the above mentioned period is substantial and could have substantial impact on the continuity of GAIA. Management is preparing a response to the German Tax authorities claim but disagrees with their claim and believes that the ultimate resolution of this matter will not have a material adverse effect on the Company's financial statements.

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## NOTE 7—DEBT

	June 30, 2009 (unaudited)	December 31, 2008 (audited)
Current debt is summarized as follows:		
Loans From Financial Institutions	\$49,000	\$82,000
Silent Partner loans-TBG	2,099,000	2,162,000
July 2007 10% Convertible Debenture	3,247,000	3,247,000
Sub total current debt	\$5,395,000	\$5,491,000
Related party debt		
Subordinated loans from Archhill	\$3,627,000	\$3,627,000
Promisory note to Archhill	1,823,000	1,777,000
Sub total related party debt	\$5,450,000	\$5,404,000
Long term debt		
June 2008, 9% Convertible Note	\$9,974,000	\$6,785,000
9% Related party convertible debenture	703,000	-
Sub Total Long term debt	\$10,677,000	\$6,785,000
Warrant liability	115,000	292,000
Total debt	\$21,637,000	\$17,972,000

## LOANS FROM FINANCIAL INSTITUTIONS

GAIA has two loans from financial institutions, which totaled \$49,000 and \$82,000 as of June 30, 2009 and December 31, 2008, respectively, that are collateralized by the assets of the Company and bear European commercial standard rates which were 7% and 7% as of June 30, 2009 and December 31, 2008, respectively.

## SILENT PARTNERSHIP LOANS

Technology-Beteiligungs-Gesellschaft GmbH der Deutschen Ausgleichsbank (“TBG”) has provided a partnership loan, which bears interest at 6% per annum. The total amount payable to TBG under the Partnership Agreements at June 30, 2009 and December 31, 2008 was \$2,099,000 and \$2,162,000, respectively. TBG is entitled to receive an annual 12% share in profits related to its contributions under the TBG Partnership Agreement. The TBG Partnership Agreement provides that should GAIA receive additional injections of capital in the course of further financing rounds, TBG shall adjust its profit sharing to the capital ration 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 will receive any profit sharing under the Partnership Agreement at any time in the near future.

From March 8, 2005 under the TBG Partnership Agreement, TBG is entitled to demand a non-recurrent 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 has contacted the Company and has claimed under the terms of the agreement the remuneration in the amount of \$1,297,000 (920,000 Euros). Management asserts that TBG has not met the terms of the agreement and is not entitled

to the above amount.

GAIA is negotiating with TBG to convert the TBG Partner Agreement into a long term loan bearing an interest rate of 6% per annum, including a repayment schedule. See Note 14 – Subsequent Events for further discussion.

In March 2009 LTC received a request from Frankendael Participatiemaatschappij NV (“Frankendael”) to confirm to Frankendael the outstanding amount as part of the “Stille Beteiligung” loan agreement of March 1999 (the “Frankendael Debt”), which would mature after 10 years. Management is of the opinion that there is no outstanding amount due from either LTC or GAIA to Frankendael due to the transfer of the Frankendael Debt from Frankendael to Arch Hill Ventures and the October 2005 debt exchange between Arch Hill Ventures and the Company, as reported in the Company’s Form 8-K dated October 21, 2005.



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JULY 2007 10% CONVERTIBLE DEBENTURE

On July 11, 2007, the European Subsidiaries Debt and accrued interest was satisfied with the payment of €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 is due and payable on September 1, 2008. The Company has the right to repay the Convertible Note at any time prior to maturity without penalty. The Convertible Note will be secured by 90 million shares of Company common stock. As of June 30, 2009 and December 31, 2008, \$3,247,000 was outstanding under the convertible debenture net of debt discount of \$0. As of June 30, 2009 and December 31, 2008, accrued interest of \$674,000, and \$492,000, respectively, was outstanding under the Convertible Note. Upon issuance, the Company recorded a discount from beneficial conversion feature of \$325,000 that is amortized over the life of the note using the effective interest method. Interest expense related to the amortization of the discount from the beneficial conversion feature was \$0 and \$74,000 and \$0 and \$145,000 for the three and six months ended June 30, 2009 and June 30, 2008, respectively.

As of September 1, 2008 the debenture has been extended for an additional six months, under the same conditions. The interest on the unpaid balance of the interest as of September 1, 2008 was increased from 10% to 12%. On March 1, 2009 the note has been extended until January 1, 2010 under the same conditions as the first extension.

SUBORDINATED LOANS FROM ARCH HILL

On February 28, 2008, the Company and GAIA executed a Debt Settlement Agreement with Arch Hill Ventures N.V., Arch Hill Real Estate N.V. and Arch Hill Capital N.V. (collectively, the "Debtholders"). Pursuant to the Agreement \$5,773,707 of debt owed by LTC and GAIA to the Debtholders was settled. LTC agreed to issue to Arch Hill Capital N.V. 302,714,400 shares of LTC common stock in full and complete settlement of the Debt (the "Debt Settlement"). In the Agreement, Arch Hill Capital agreed that for a two year period it will not, directly or indirectly, without the prior written consent of LTC issue, offer, agree or offer to sell, sell, grant an option for the purchase or sale of, transfer, pledge, assign, hypothecate, distribute or otherwise encumber or dispose of the shares.

As described above, the Company agreed to issue 302,714,400 common stock shares, but because the Company did not have enough shares of common stock authorized, the Company issued 45,016.84 Series C Preferred Stock in lieu of issuing 112,542,100 shares of common stock for partial debt settlement.

The Company and Arch Hill, which is approximately 64% beneficial owner of the Company, settled \$2,146,529 of Arch Hill's outstanding debt by issuing 45,016.84 shares of Series C Preferred Stock. Because this is a related party transaction, any losses on settlement would be recorded as an adjustment to equity with no financial statement impact. The Company recorded the Series C Preferred Stock issued at par value with the difference affecting additional paid in capital for a total impact on equity of \$2,146,529.

As Arch Hill received a beneficial conversion price on the Series C Preferred Stock, a beneficial conversion feature was recorded on the Series C. Per paragraph 5 of EITF 98-5, the embedded beneficial conversion feature was recognized by allocating a portion of the proceeds equal to intrinsic value of the feature to additional paid in capital.

Per paragraph 6 of EITF 98-5 the amount allocated to the beneficial conversion feature is limited to the amount of the proceeds allocated to the convertible instrument. As such, in this case, the amount of the beneficial conversion feature was limited to \$2,146,529.

Series C Preferred Stock is convertible upon the Company's authorization and upon the Company having a sufficient number of shares of common stock available for issuance. Although the Company has to approve any notice of conversion, the holder can submit a conversion option at time of issuance of the stock. As such, management believes it is appropriate to record the beneficial conversion discount at time of issuance of the Series C Preferred Stock.

As the Company has accumulated deficit and no retained earnings, the beneficial conversion will be recorded as follows: debit and credit to additional paid in capital for \$2,146,529. The transaction will be shown as separate line item in the statement of stockholders' deficit and is reflected on the income statement as a decrease of income applicable to common shareholders. The above accounting is consistent with the Minutes of joint session with SEC of AICPA SEC regulation Committee which took place on March 20, 2001.

The balance of \$3,627,000 remains payable to Arch Hill after issuance of the Series C Preferred Stock, and is included in the Promissory Notes balance. As the conversion price is beneficial to Arch Hill at the time of the settlement agreement because the conversion price was below market on that date, a beneficial conversion discount was recorded on the remaining debt.

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Based on management's calculations, the beneficial conversion discount was higher than the value of the remaining note payable. As the beneficial conversion discount cannot exceed the face value of the note, it was capped at \$3,627,000. Since the debt has no redemption date subsequent to the settlement agreement, the beneficial conversion discount was expensed immediately at the time of the debt settlement transaction.

On March 25, 2009 the Company filed an Amendment to its Restated Certificate of Incorporation in which it increased the amount of authorized common shares to 3 billion. As part of this increase the Company will be able to convert the balance of the above described debt to Arch Hill into 190,172,300 shares of common stock. In September 2009 the balance of the outstanding debt to Arch Hill was converted into 190,172,300 shares of Company common stock. See Note 14 – Subsequent Events.

PROMISSORY NOTE TO ARCH HILL

Arch Hill Real Estate N.V. had over the period 2004 and 2005 billed an amount of \$70,000 per month as management fees to Gaia Holding BV. The amount was unpaid as of June 30, 2009 and December 31, 2008 and is included in promissory notes. The total amount was \$1,770,000 and \$1,777,000 as of June 30, 2009 and December 31, 2008. The loans bear cumulative interest at 6% per annum. Under the subordinated loan agreement (the "Subordinated Loan Agreement") terms, the loans can be called when GAIA does not have negative stockholders' equity. The loans are subordinated to all other creditors of GAIA. Interest accrued during the period from January 1, 2009 to June 30, 2009 in the amount of \$52,000 was added to the outstanding principal amount.

JUNE 2008 9% CONVERTIBLE NOTES

The Company closed on a convertible debt financing (the "June 2008 Financing") by issuing convertible notes ("Convertible Notes") to fifteen institutional investors from June 12, 2008 to June 30, 2009 (the "Lenders") for a total of Euros 7.10 million (approximately U.S. \$9,974,000). The Company issued its convertible notes (the "Convertible Notes") to the Lenders in connection with the June 2008 Financing. The Convertible Notes 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 Convertible Notes. The Convertible Notes accrue interest at 9% per annum and are due and payable on September 30, 2011 (the "Maturity Date"). As of June 30, 2009 and December 31, 2008, Euros 389,000 (approximately \$546,000) and Euros 139,000 (approximately \$204,000) was accrued in interest for these notes, respectively. 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.

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 EUR 100,000 which was originally granted as a bridge loan in 2008. The amount of EUR 100,000 is included in the balance of the June 2008 9% convertible note as of both June 30, 2009 and December 31, 2008,

Based upon the decreased conversion price and under assumption that all note holders would voluntarily choose to convert into shares, the Note, principal and accrued interest, would per June 30, 2009 convert into 150,405,099 common shares as of June 30, 2009.

Prior to the Maturity Date, the Convertible Notes 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 Notes: (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.

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The Convertible Notes 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 Day after the receipt thereof the net after-tax proceeds 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.

## 9% RELATED PARTY DEBENTURE

The Company closed on a convertible debt financing with Arch Hill from March 1, 2009 to June 30, 2009 (the “Lender”) for a total of Euros 500,000 (approximately U.S. \$703,000). The Company issued its convertible debentures (the “Convertible Debenture”) to the Lender in connection with this March 2009 Financing. The Convertible Debenture is 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 Convertible Debenture. The Convertible Debenture accrues interest at 9% per annum and is due and payable on September 30, 2011 (the “Maturity Date”). As of June 30, 2009 Euros 10,000 (approximately \$14,000) was accrued in interest.

Based upon the conversion price and under assumption that all note holders would voluntary choose for a conversion into shares, the Note, principal and accrued interest, would per June 30, 2009 convert into 9,608,776 common shares.

## WARRANT LIABILITY

The Company adopted EITF 07-05 effective January 1, 2009. The adoption of EITF 07-5 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 a 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 warrant issued to Arch Hill, in conjunction with the October 2005 Arch Hill Debt Exchange, and warrant 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 SFAS No. 133. The Portfolio Lenders II, LLC warrant does not contain a net settlement provision. In accordance with EITF 07-5, 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, 2009 to be \$115,000, and recorded other income of \$143,000 resulting from the reduction of the liability associated with fair value changes of the warrants as of June 30, 2009. The Company determined the fair values of these securities using the Black-Scholes valuation model with the following assumptions:

Number of warrants 4,205,262  
Exercise price \$ .0243  
Fair value of warrants \$115,000  
Volatility 147.8%-151.95%  
Risk-free interest rate 3.76%  
Expected dividend yield 0%  
Expected warrant life 5 years

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The Company reclassified to equity 6,158,135 warrants which were previously classified as a liability as of the date that the Company's increase of authorized number of common shares to be issued was effective as these warrants do not contain down-round provisions and no longer meet criteria for liability classification. There was no material impact on the Company's consolidated results of operations and financial condition as a result of reclassification of these warrants.

## 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, 2009.

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

## Warrant liability:

Balance as of January 1, 2009	\$292,000
Decrease in fair value of warrants	(143,000)
Reclassification to equity	(34,000 )
Balance as of June 30, 2009	\$115,000

## NOTE 8—COMMITMENTS AND CONTINGENCIES

## BUILDING LEASE

The Company was leasing a 12,400 square foot facility at 5115 Campus Drive in Plymouth Meeting, Pennsylvania pursuant to a Lease Agreement with PMP Whitmarsh 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. At the facility, the Company sold some of the assets to Porous Power Technologies, the others 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 has been sub tenant to the Company at the Company's Plymouth Meeting facility from August 2008 until June 30, 2009. Porous Power Technologies signed a lease agreement for the Plymouth Meeting facility on April 1, 2009. The Company signed a six month sublease agreement on April 1, 2009 with Porous Power Technologies of a total rent of \$42,000 (\$7,000 per month), with the possibility to extend the sublease for 3 month periods. This facility has sufficient space to meet the Company's near-term needs in the United States. The Company's corporate headquarters are located at the Plymouth Meeting, Pennsylvania facility.

## 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. The Company and management believe that the allegations in the Complaint have no merit and the Company intends to vigorously defend the suit. This matter has not been resolved as of the date hereof.

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, over the period 2001-2004. In the 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 claim is that on the value of the transfer both Value Added Tax and Corporate tax had to be filed and paid. The amounts which in the view of the German Tax authorities should have been paid over the above mentioned period is substantial and could have substantial impact on the continuity of GAIA. Management is preparing a response to the German Tax authorities claim but disagrees with their claim and believes that the ultimate resolution of this matter will not have a material adverse effect on the Company's financial statements.

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. In the opinion of management, after consultation with legal counsel, the ultimate resolution of these matters will not have a material adverse effect on the Company's financial condition, results of operations or cash flows.



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NOTE 9—STOCKHOLDERS EQUITY

AUTHORIZED SHARES

On March 25, 2009, the Company filed an Amendment to its Restated Certificate of Incorporation with the Secretary of State of the State of Delaware, to increase the number of authorized shares of the Company's common stock to 3,000,000,000 shares (the "Authorization Date"). The amendment of the Company's Restated Certificate of Incorporation to reflect the increase was approved by the Company's Board of Directors and the holders of a majority of the Company's common stock in October 2008. An information statement describing the amendment was mailed to stockholders on February 10, 2009 and became effective on March 2, 2009. The increase in the number of authorized shares of common stock is needed in order for the Company to have an adequate reserve of common stock available for issuance upon conversion of existing convertible securities and exercise of outstanding options and warrants and to satisfy certain commitments to issue common stock.

The Company is authorized to issue 3 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 1,000 shares as Series A Convertible Preferred Stock, which the Company delivered 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 100,000 shares of Series B Convertible Preferred Stock which the Company delivered to Arch Hill Capital in connection with a debt exchange in October 2005 which are outstanding as of June 30, 2009 and December 31, 2008. Additionally, the Company designated 300,000 shares of Series C Convertible Preferred. As of June 30, 2009 and December 31, 2008, 233,200 shares of Series C were outstanding.

SERIES B PREFERRED STOCK

The Company has authorized and outstanding 100,000 shares of Series B Convertible Preferred Stock, which were issued on November 14, 2005. The shares of Series B Convertible Preferred Stock are not entitled to receive dividends in shares of the Company's common stock. 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. The Series B Convertible Preferred Stock is only convertible into the Company's common stock upon the Company's approval and upon the Company having enough shares of common stock authorized to issue. As the control of the conversion lies with the Company, the holder cannot force conversion, and the stock has no redemption rights, the Series B Preferred Stock is classified in permanent equity on the Company's consolidated balance sheet.

In September 2009 the outstanding 100,000 shares of Series B Convertible Preferred Stock were converted into 264,103,114 shares of Company common stock. See Note 13 – Subsequent Events.

SERIES C CONVERTIBLE PREFERRED STOCK

The Company designated 300,000 of the Company's authorized preferred stock as Series C Preferred Stock in November 2006 and issued 254,983.16 of such shares in private placement transactions in 2006 and 2007 and in February 2008, the Company and Arch Hill which is approximately 64% beneficial owner of the Company, settled \$2,146,529 of Arch Hill's outstanding debt by issuing 45,016.84 shares of Series C Preferred Stock.

As of June 30, 2009, 66,700 shares of Series C Preferred Stock had been converted into Common Stock and 233,200 shares of Series C Preferred Stock remained outstanding.

Each share of the Series C Preferred Stock is convertible at the option of the Holder thereof into 2,500 shares of Company common stock at any time following the authorization and reservation of a sufficient number of shares of Company common stock by all requisite action, including action by the Company's Board of Directors and by Company stockholders, to provide for the conversion of all outstanding shares of Series C Preferred Stock into shares of Company common stock.

Each share of the Series C Preferred Stock will automatically be converted into 2,500 shares of Company common stock 90 days following the authorization and reservation of a sufficient number of shares of Company common stock to provide for the conversion of all outstanding shares of Series C Preferred Stock into shares of Company common stock.

The shares of Series C 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. On all matters as to which shares of common stock or shares of Series C Preferred Stock are entitled to vote or consent, each share of Series C Preferred Stock is entitled to the number of votes (rounded up to the nearest whole number) that the common stock into which it is convertible would have if such Series C Preferred Stock had been so converted into common stock as of the record date established for determining holders entitled to vote, or if no such record date is established, as of the time of any vote on such matters. Each share of Series C Preferred Stock is entitled to the number of votes that 2,500 shares of common stock would have.

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In addition to the voting rights provided above, as long as any shares of Series C 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 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 Preferred Stock;
- (ii) issue any shares of capital stock ranking prior or superior to, or on parity with, the Series C Preferred Stock; or
- (iii) subdivide or otherwise change shares of Series C Preferred Stock into a different number of shares whether in a merger, consolidation, combination, recapitalization, reorganization or otherwise.

The Series C 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 Preferred Stock are convertible would have been entitled to receive if such Series C Preferred Stock had been so converted into common stock prior to such distribution.

The Series C Preferred Stock has no mandatory or optional redemption rights, thus, cannot be redeemed for cash. The Series C Preferred Stock is only convertible into the Company's common stock upon the Company's approval and upon the Company having enough shares of common stock authorized to issue. As the control of the conversion lies with the Company, the holder cannot force conversion, and the stock has no redemption rights, the Series C Preferred Stock is classified in permanent equity on the Company's consolidated balance sheet. Upon issuance of the Series C Convertible Preferred stock the par value (\$0.01) is credited toward the preferred share class C, and the balance is credited toward additional paid-in capital. For issuances of convertible Preferred Stock with beneficial conversion feature the discount is recognized upon issuance as a debit and a credit to additional paid in capital. The beneficial conversion discount on the Series C Preferred Stock is shown as separate line item in the statement of stockholders' deficit and is reflected on the income statement as a decrease/ increase of income/loss applicable to common shareholders.

The terms of the Company's Series C Preferred Stock provide for the automatic conversion of each outstanding share of Series C Preferred Stock into 2,500 shares of Company common stock ninety (90) days following authorization and reservation of a sufficient number of shares of Common Stock by all requisite action by the Corporation, including action by the Board and by the shareholders of the Corporation, to provide for the conversion of all outstanding shares of Series C Preferred into fully paid and nonassessable shares of Common Stock. Accordingly, all shares of Series C Preferred Stock outstanding on June 23, 2009, ninety (90) days of the Authorization Date, will be converted into shares of common stock. The Company is working on the exchange of the Series C Preferred Stock certificates into these common stock certificates.

In September 2009 the Company instructed its transfer agent to convert the outstanding 233,200 shares of Series C Preferred Stock into 583,000,000 shares of Company common stock. See Note 14 – Subsequent Events.

NOTE 10—SEGMENT INFORMATION

SFAS No. 131, “Disclosure About Segments of an Enterprise and Related Information” (SFAS 131), 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 two geographical separable reportable operating segments.

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 SFAS 131, “Disclosures about segments of an enterprise and related information”.

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Geographic information is as follows:

	Six Months Ended June 30, 2009	Six Months Ended June 30, 2008	Three Months Ended June 30, 2009	Three Months Ended June 30, 2008
<b>Revenues</b>				
Domestic Operations	\$1,442,000	\$799,000	\$735,000	\$694,000
European Operations	1,638,000	1,497,000	1,023,000	1,034,000
	\$3,080,000	\$2,296,000	\$1,758,000	\$1,728,000

## NOTE 11—NET INCOME/LOSS PER COMMON SHARE

The Company has presented net loss per common share pursuant to SFAS No. 128, “Earnings Per Share”. Net 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 and some of the preferred shares, 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. As a result, weighted average shares outstanding included in the calculation of basic and diluted net loss per common share for the six and three months ended June 30, 2009 and 2008 was as follows:

	Six Months Ended June 30, 2009	Six Months Ended June 30, 2008	Three Months Ended June 30, 2009	Three Months Ended June 30, 2008
Series B Preferred Stock	264,103,114	264,103,114	264,103,114	264,103,114
Series C Preferred Stock	583,000,000	623,179,945	583,000,000	657,999,600
Common Stock	746,006,215	655,676,563	746,087,648	653,419,381
Total	1,593,109,329	1,542,959,622	1,593,190,762	1,575,522,095

Due to net losses in all periods ended June 30, 2009 and 2008, the effect of the potential common shares resulting from convertible promissory notes payable, stock options and warrants were excluded, as the effect would have been anti-dilutive.

As of June 30, 2009 are 7,139,361 warrants outstanding with a weighted average exercise of \$0.193.

## NOTE 12—CORPORATE MATTERS

## Governance Agreement

On April 28, 2008 the Company entered into a Governance Agreement (the “Governance Agreement”) with certain shareholders of the Company (the “Investors”), Stichting Gemeenschappelijk Bezit LTC, (the “Foundation”), and Arch Hill Capital NV (“Arch Hill Capital” and together with the Foundation, the “Arch Hill Parties”). The Investors include

eight persons or entities that are the beneficial owners of shares of the Company's Series C Preferred Stock and/or Common Stock. The Investors beneficially own approximately 29% of the Company's Common Stock in the aggregate. Arch Hill Capital beneficially owns approximately 64% of the Company's Common Stock including the shares beneficially owned by its affiliate the Foundation.

The Company, the Foundation, Arch Hill Capital and the Investors have determined that it is the best interest of the Company and its shareholders to enter into certain governance and other arrangements with respect to the Company on the terms set forth in the Governance Agreement. The Governance Agreement provides that as of the Effective Time Ralph D. Ketchum, Marnix Snijder and Clemens E.M. van Nispen tot Sevenaer, directors of the Company, resign as directors of the Company (the "Resigning Directors") and that the number of directors of the Company be set at six. The Governance Agreement further provides that Fred J. Mulder and Theo M.M. Kremers be appointed directors of the Company as of the Effective Time to fill the vacancies on the Board of Directors resulting from the resignation of the Resigning Directors.

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Consulting Agreements

In connection with the Governance Agreement, on April 28, 2008 the Company entered into a consulting agreements with each of Christiaan A. van den Berg (the “Van Den Berg Consulting Agreement”), Fred J. Mulder (the “Mulder Consulting Agreement”), OUIDA Management Consultancy B.V. (the “OUIDA Consulting Agreement”), and Romule B.V. (the “Romule Consulting Agreement”) (collectively, the “Consulting Agreements”).

Each of the Consulting Agreements has a term of one year and may be terminated on 60 days written notice. Each Consulting Agreement provides that the Consultant will consult with the directors, officers and employees of the Company concerning matters relating to the management and organization of the Company, its financial policies, the terms and conditions of employment of the Company’s employees, and generally any matter arising out of the business affairs of the Company. On April 28, 2009 these agreements were not renewed, but the Company silently extended the agreements under the same conditions, however without the termination clause. Board and Management are negotiating the extension.

The Mulder Consulting Agreement with Fred J. Mulder, the co-chairman of the Board of the Company, provides for Mr. Mulder to spend approximately 32 hours per month in fulfilling his obligations under the Consulting Agreement and the payment by the Company of a monthly fee of U.S. \$4,167.

The Van Den Berg Consulting Agreement with Christiaan A. van den Berg, the Chief Executive of Arch Hill Capital and the Foundation and the co-chairman of the Board of the Company, provides for Mr. van den Berg to spend approximately 32 hours per month in fulfilling his obligations under the Consulting Agreement and the payment by the Company of a monthly fee of US \$4,167.

The Romule Consulting Agreement provides for Frits Obers, an employee of Romule B.V., to spend approximately 160 hours per month in fulfilling his obligations under the Consulting Agreement and the payment by the Company of a monthly fee of Euros 20,820 (approximately US \$30,000 as of the date of the agreement).

The OUIDA Consulting Agreement provides for Theo Kremers, an employee of OUIDA Management Consultancy B.V. and director, the Chief Executive Officer and Acting Chief Financial Officer of the Company, to spend approximately 160 hours per month in fulfilling his obligations under the Consulting Agreement and the payment by the Company of a monthly fee of Euros 20,820 (approximately US \$30,000 as of the date of the agreement).

Appointment of Chief Executive Officer

Effective June 27, 2008, Theo M. M. Kremers was appointed as the Chief Executive Officer of Lithium Technology Corporation by the Company’s Board of Directors. Prior to this Mr. Kremers had been serving as a Director of the Company since May 27, 2008. Mr. Kremers’ company, OUIDA Management Consultancy B.V. was retained by the Company on April 28, 2008 to provide consulting services. Mr. Kremers is paid a monthly fee of Euros 20,820 (approximately US \$30,000 as of the date of the agreement) for his services to the Company.

Effective October 15, 2008, after the resignation of the Chief Financial Officer of the Company Theo M.M. Kremers assumed the task as Acting Chief Financial Officer.

NOTE 13 – SUPPLEMENTAL CASH FLOW INFORMATION

There were no significant non-cash transactions for the three and six month period ended June 30, 2009.

The amount of cash paid for interest for six months ended June 30, 2009 and June 30, 2008 was \$46,000 and \$46,000 respectively.

For the period ended June 30, 2008:

On February 28, 2008, the Company and GAIA executed a Debt Settlement Agreement with Arch Hill Ventures N.V., Arch Hill Real Estate N.V. and Arch Hill Capital N.V. (collectively, the "Debt holders"). Pursuant to the Agreement \$5,773,707 of debt owed by LTC and GAIA to the Debt holders was settled. LTC agreed to issue to Arch Hill Capital N.V. 302,714,400 shares of LTC common stock in full and complete settlement of the Debt (the "Debt Settlement"). See Note 7 for further detail.

On March 6, 2008 Yorkville Advisors (f/k/a Cornell Capital) exercised all their warrants (40,000,000) into common shares of the Company at an exercise price of \$0.0128 for a total cash consideration of \$512,000. The Company revalued the Cornell warrant liability immediately prior to the exercise and recognized a gain on the change in the fair value of the warrants in the Statement of Operations of \$2,635,000. Warrant liability immediately prior to exercise was \$2,488,000. This warrant liability was then reclassified to common stock at par value of \$400,000 for 40,000,000 newly issued common shares and the balance of \$2,600,000 to additional paid in capital.



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NOTE 14—SUBSEQUENT EVENTS

June 2008 9% Convertible Notes

The Company closed on additional debt financings under the June 2008 Financing described herein (see Note 7) with one institutional investor on August 31, 2009 for a total of Euros 250,000 (approximately U.S. \$331,000).

9% Related Party Convertible Debenture

The Company closed on additional debt financing under the 9% Related Party debenture to Arch Hill from July 2, 2009 to July 13, 2009 for a total of Euros 532,000 (approximately U.S. \$746,000).

Silent Partnership Loans - TBG

GAIA has been negotiating with TBG to convert the TBG Partner Agreement into a long term loan bearing an interest rate of 6% per annum, including a repayment schedule. In July 2009 GAIA management and TBG were able to reach an agreement regarding the repayment of the outstanding amount. The total amount will be repaid over a period of 3 years, resulting in a payment of €125,000 per quarter, with the first payment on September 30, 2009. The interest on the unpaid balance will be 6.78% per annum. The interest will be paid bi-annually on September 30 and March 31 every year. The non-recurrent remuneration has been lowered to 40% of the invested amount, at the end of the repayment of the principal amount. Whether this non-recurrent remuneration will become payable will be dependant on the financial conditions of GAIA at the end of the repayment period. Management does not believe that this amount will become payable due to the current financial condition of GAIA. As such, no amounts relating to the remuneration have been accrued at this time.

Consulting Agreements

On September 25, 2009 the Company entered into a consulting agreements with each of Steenbergh Management B.V. (the “Steenbergh Consulting Agreement”), FMSUD Consultancy B.V. (the “FMSUD Consulting Agreement”), and OUIDA Management Consultancy B.V. (the “OUIDA Consulting Agreement”), (collectively, the “Consulting Agreements”).

Each of the Consulting Agreements has a term until December 31, 2010 and may be terminated on 60 days written notice. Each Consulting Agreement provides that the Consultant will consult with the directors, officers and employees of the Company concerning matters relating to the management and organization of the Company, its financial policies, the terms and conditions of employment of the Company’s employees, and generally any matter arising out of the business affairs of the Company.

The Steenbergh Consulting Agreement, provides for Mr. van den Berg, an employee of Steenbergh, the Chief Executive of Arch Hill Capital and the Co-Chairman of the Board of the Company, to spend a minimum of 32 hours per month in fulfilling his obligations under the Consulting Agreement and the payment by the Company of a monthly fee of Euros 4,167.

The FMSUD Consulting Agreement provides for Mr. Mulder, an employee of FMSUD and the Co-Chairman of the Board of the Company, to spend a minimum of 32 hours per month in fulfilling his obligations under the Consulting Agreement and the payment by the Company of a monthly fee of Euros 4,167.

The OUIDA Consulting Agreement provides for Mr. Kremers, an employee of OUIDA Management Consultancy B.V. and the Chief Executive Officer, acting Chief Financial Officer and a director of the Company, to spend a minimum of 160 hours per month in fulfilling his obligations under the Consulting Agreement and the payment by the Company of a monthly fee of Euros 20,820.

Conversion of Series B and C Preferred Stock and Issuance of Common Stock.

On September 14, 2009 the Company instructed its transfer agent to convert 100,000 of its outstanding Series B Preferred Stock into 264,103,114 shares of common stock and 233,200 of its outstanding Series C Preferred Stock into 583,000,000 shares of common stock. On September 14, 2009 the Company also issued the balance of the February 2008 debt exchange of \$3,627,000 into 190,172,300 shares of common stock. On September 18, 2009 the Company issued 1,000,000 shares of its common stock to both Dr. Klaus Brandt and Amir Elbaz as part of the November 2007 approved management compensation and 1,500,000 shares of its common stock to Amir Elbaz as part of the November 2008 termination agreement. On September 18, 2009 the Company also issued the 16,666,667 shares of common stock to Fidessa as part of the August 2007 Consulting Agreement, which has been amended in June 2008. After the issuances of the foregoing shares, the number of shares of Company Common Stock will be 1,803,839,699. As of September 30, 2009, all of the foregoing shares have been issued other than 69,087,500 shares of Common Stock issuable to the holders of 27,635 shares of Series C Preferred Stock, which have been undeliverable.

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Other

In March 2009 LTC received a request from Frankendael Participatiemaatschappij NV (“Frankendael”) to confirm to Frankendael the outstanding amount as part of the “Stille Beteiligung” loan agreement of March 1999 (the “Frankendael Debt”), which would mature after 10 years. Management is of the opinion that there is no outstanding amount due from either LTC or GAIA to Frankendael due to the transfer of the Frankendael Debt from Frankendael to Arch Hill Ventures and the October 2005 debt exchange between Arch Hill Ventures and the Company, as reported in the Company’s Form 8-K dated October 21, 2005.

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, over the period 2001-2004. In the 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 claim is that on the value of the transfer both Value Added Tax and Corporate tax had to be filed and paid. The amounts which in the view of the German Tax authorities should have been paid over the above mentioned period is substantial and could have substantial impact on the continuity of GAIA. Management is preparing a response to the German Tax authorities claim but disagrees with their claim and believes that the ultimate resolution of this matter will not have a material adverse effect on the Company’s financial statements.

## 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 restatement of the Company’s financial statements for the fiscal year ended December 31, 2004, and the delay in filing financial statements and periodic reports with the Securities and Exchange Commission for the fiscal years ended December 31, 2005 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 national security, 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 into large volume cell delivery and battery assembly programs.

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RESULTS OF OPERATIONS  
SIX AND THREE MONTHS ENDED JUNE 30, 2009 COMPARED TO  
SIX AND THREE MONTHS ENDED JUNE 30, 2008

REVENUES FROM PRODUCTS SALES Increased by \$784,000 or 34% in the six months ended June 30, 2009 from \$2,296,000 in the same period in 2008 to \$3,080,000. For the three months period ended June 30, 2009, revenues increased 2% from \$1,728,000 in 2008 to \$1,758,000 in 2009. The increase in sales is attributed to increased sales efforts and fruition of some projects the Company is involved with. 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 national security, 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 \$5,719,000 and \$3,687,000 for the six months ended June 30, 2009 and 2008, respectively. For the three months period ended June 30, 2009, cost of goods sold increased 23% from \$2,153,000 in 2008 to \$2,645,000 in 2009. The increase in the cost of goods sold is a result of increase of the production volume. We continue to look for cheaper sources of raw materials and more efficient production processes. We anticipate relative costs 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 like labor contributed per cell. The productivity per employee will increase and the general overhead costs will be allocated to more cells produced.

ENGINEERING, RESEARCH AND DEVELOPMENT EXPENSES during the six months ended June 30, 2009 decreased by 78% to \$331,000 from \$1,489,000 in the same period in 2008. For the three months period ended June 30, 2009, engineering, research and development expenses decreased from \$749,000 in 2008 to \$173,000 in 2009. These expenses are primarily derived from our advancement of technology in large high rate battery 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 as well as time associated with the installation of new production equipment. The decrease is a result of streamlining actions taken by the Company to focus the Company to sales and production rather than on engineering, research and development.

GENERAL AND ADMINISTRATIVE EXPENSES during the six months ended June 30, 2009 decreased by 51% to \$1,520,000 from \$3,104,000 in the same period in 2008. This decrease reflects our efforts to streamline the Company. The decrease in costs was mainly due to the Company consolidating certain existing consulting agreements which resulted in a reduction of costs of nearly \$1,600,000 for the period ended June 30, 2009 as compared to the same period in the prior year. As a result several overlaps or activities which were undertaken in both the US and in Europe were taken out of the general and administrative expenses.

SALES AND MARKETING EXPENSES were \$331,000 for the six months ended June 30, 2009, a decrease of 7% from the same period in 2008. For the three months period ended June 30, 2009, sales and marketing expenses decreased from \$259,000 in 2008 to \$203,000 in 2009. Although there was a decrease in this expense, internal sales efforts increased to increase production volume and revenue.

DEPRECIATION AND AMORTIZATION during the six months ended June 30, 2009 decreased by 43% to \$94,000 from \$164,000 in the same period in 2008. For the three months period ended June 30, 2009 depreciation and

amortization expenses decreased 35% to \$48,000 from \$74,000 in the three months period ended June 30, 2008. The majority of the depreciation of production equipment has been contributed to cost of goods sold and due to the increased production volumes the allocated amount to cost of goods sold has increased as well.

**INTEREST EXPENSE, NET OF INTEREST INCOME** Interest expense, net of interest income for the six months ended June 30, 2009 increased by 189% to \$607,000 from \$210,000 in the same period in 2008. For the three months period ended June 30, 2009, interest expense increased to \$327,000 in 2009 from \$82,000 in 2008. The increase is mainly a result of the increased debt financing instruments the Company entered into in 2008 and in particular the June 2008 9% Convertible Note.

**WARRANT INCOME/EXPENSE** The Company recognized a gain from changes in fair value of warrants in the amount of \$143,000 for the six month period ended June 30, 2009, as compared to a gain of \$8,423,000 in the six month period ended June 30, 2008. For the three months ended June 30, 2009 and 2008, the Company recognized losses of \$4,000 and \$2,344,000, respectively, related to changes in fair value of the warrants. Warrants classified as liabilities are marked to market every reporting period using Black-Scholes valuation model. Fluctuations resulting from the valuation of the warrants' liability are reflected in the Statement of Operations.

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NET (LOSS) TO COMMON SHAREHOLDERS was \$(5,582,000) or \$(0.00) per share for the six months ended June 30, 2009 as compared to a net loss of \$(3,969,000) or \$(0.00) per share for the six months ended June 30, 2008. For the three months period ended June 30, 2009, the Company had a net loss of \$3,048,000 as compared to a net loss of \$5,343,000 in 2008.

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, 2009, our accumulated deficit was \$143,055,000.

## LIQUIDITY AND FINANCIAL CONDITION

## GENERAL

On June 30, 2009, and December 31, 2008 cash and cash equivalents were \$876,000 and \$792,000 respectively. Total liabilities on June 30, 2009 and December 31, 2008 were \$26,205,000 and \$21,987,000 respectively. On June 30, 2009, and December 31, 2008 assets included \$976,000 and \$2,623,000 in inventories, net property and equipment of \$6,575,000 and \$6,933,000, and prepaid expenses and other current assets of \$210,000 and \$173,000, respectively. As of June 30, 2009, our working capital deficit was \$12,789,000 as compared to \$11,360,000 on December 31, 2008. We expect to incur decreasing operating losses as we continue our commercialization efforts. These efforts will increase sales and due to efforts to decrease raw material prices and stringent cost calculation of cells, the contribution of the sales increase will be positive and therefore decrease the operating losses going forward. By decreasing the relative cost price of the cells the operating losses will be decreased even faster. The ability to finance our need for working capital, being raw materials, work in process and the accounts receivables, will be crucial whether the Company will be able to increase production volumes. Any production standstill due to the shortage of raw material immediately results in operating losses.

Our debt and other liabilities as of June 30, 2009 and December 31, 2008 were as follows:

	June 30, 2009 (unaudited)	December 31, 2008 (audited)
Current debt is summarized as follows:		
Loans From Financial Institutions	\$49,000	\$82,000
Silent Partner loans-TBG	2,099,000	2,162,000
July 2007 10% Convertible Debenture	3,247,000	3,247,000
Sub total current debt	\$5,395,000	\$5,491,000
Related party debt		
Subordinated loans from Archhill	\$3,627,000	\$3,627,000
Promisory note to Archhill	1,823,000	1,777,000
Sub total related party debt	\$5,450,000	\$5,404,000
Long term debt		
June 2008, 9% Convertible Note	\$9,974,000	\$6,785,000
9% Related party convertible debenture	703,000	-
Sub Total Long term debt	\$10,677,000	\$6,785,000
Warrant liability	115,000	292,000
Total debt	\$21,637,000	\$17,972,000

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 2009, we raised approximately \$3.7 million in debt financing transactions. 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 Consolidated Financial Statements included with this Report.



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LOANS FROM FINANCIAL INSTITUTIONS

GAIA has two loans from financial institutions, which totaled \$49,000 and \$82,000 as of June 30, 2009 and December 31, 2008, respectively, that are collateralized by the assets of the Company and bear European commercial standard rates which were 7% and 7% as of June 30, 2009 and December 31, 2008, respectively.

SILENT PARTNERSHIP LOANS- TBG

Technology-Beteiligungs-Gesellschaft GmbH der Deutschen Ausgleichsbank (“TBG”) has provided a partnership loan, which bears interest at 6% per annum. The total amount payable to TBG under the Partnership Agreements at June 30, 2009 and December 31, 2008 was \$2,099,000 and \$2,162,000, respectively. TBG is entitled to receive an annual 12% share in profits related to its contributions under the TBG Partnership Agreement. The TBG Partnership Agreement provides that should GAIA receive additional injections of capital in the course of further financing rounds, TBG shall adjust its profit sharing to the capital ration 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 will receive any profit sharing under the Partnership Agreement at any time in the near future.

From March 8, 2005 under the TBG Partnership Agreement, TBG is entitled to demand a non-recurrent 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 has contacted the Company and has claimed under the terms of the agreement the remuneration in the amount of \$1,297,000 (920,000 Euros). Management asserts that TBG has not met the terms of the agreement and is not entitled to the above amount.

GAIA is negotiating with TBG to convert the TBG Partner Agreement into a long term loan bearing an interest rate of 6% per annum, including a repayment schedule. See Note 14 – Subsequent Events for further discussion.

JULY 2007 10% CONVERTIBLE DEBENTURE

On July 11, 2007, the European Subsidiaries Debt and accrued interest was satisfied with the payment of €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 is due and payable on September 1, 2008. The Company has the right to repay the Convertible Note at any time prior to maturity without penalty. The Convertible Note will be secured by 90 million shares of Company common stock. As of June 30, 2009 and December 31, 2008, \$3,247,000 was outstanding under the convertible debenture net of debt discount of \$0. As of June 30, 2009 and December 31, 2008, accrued interest of \$674,000, and \$492,000, respectively, was outstanding under the Convertible Note. Upon issuance, the Company recorded a discount from beneficial conversion feature of \$325,000 that is amortized over the life of the note using the effective interest method. Interest expense related to the amortization of the discount from the beneficial conversion feature was \$0 and \$74,000 and \$0 and \$145,000 for the three and six months ended June 30, 2009 and June 30, 2008, respectively.

As of September 1, 2008 the debenture has been extended for an additional six months, under the same conditions. The interest on the unpaid balance of the interest as of September 1, 2008 was increased from 10% to 12%. On March

1, 2009 the note has been extended until January 1, 2010 under the same conditions as the first extension.

#### SUBORDINATED LOANS FROM ARCH HILL

On February 28, 2008, the Company and GAIA executed a Debt Settlement Agreement with Arch Hill Ventures N.V., Arch Hill Real Estate N.V. and Arch Hill Capital N.V. (collectively, the “Debtholders”). Pursuant to the Agreement \$5,773,707 of debt owed by LTC and GAIA to the Debtholders was settled. LTC agreed to issue to Arch Hill Capital N.V. 302,714,400 shares of LTC common stock in full and complete settlement of the Debt (the “Debt Settlement”). In the Agreement, Arch Hill Capital agreed that for a two year period it will not, directly or indirectly, without the prior written consent of LTC issue, offer, agree or offer to sell, sell, grant an option for the purchase or sale of, transfer, pledge, assign, hypothecate, distribute or otherwise encumber or dispose of the shares.

As described above, the Company agreed to issue 302,714,400 common stock shares, but because the Company did not have enough shares of common stock authorized, the Company issued 45,016.84 Series C Preferred Stock in lieu of issuing 112,542,100 shares of Common Stock for partial debt settlement.

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The Company and Arch Hill, which is approximately 64% beneficial owner of the Company, settled \$2,146,529 of Arch Hill's outstanding debt by issuing 45,016.84 shares of Series C Preferred Stock. Because this is a related party transaction, any losses on settlement would be recorded as an adjustment to equity with no financial statement impact. The Company recorded the Series C Preferred Stock issued at par value with the difference affecting additional paid in capital for a total impact on equity of \$2,146,529.

As Arch Hill received a beneficial conversion price on the Series C Preferred Stock, a beneficial conversion feature was recorded on the Series C. Per paragraph 5 of EITF 98-5, the embedded beneficial conversion feature was recognized by allocating a portion of the proceeds equal to intrinsic value of the feature to additional paid in capital.

Per paragraph 6 of EITF 98-5 the amount allocated to the beneficial conversion feature is limited to the amount of the proceeds allocated to the convertible instrument. As such, in this case, the amount of the beneficial conversion feature was limited to \$2,146,529.

Series C Preferred Stock is convertible upon the Company's authorization and upon the Company having a sufficient number of shares of common stock available for issuance. Although the Company has to approve any notice of conversion, the holder can submit a conversion option at time of issuance of the stock. As such, management believes it is appropriate to record the beneficial conversion discount at time of issuance of the Series C Preferred Stock.

As the Company has accumulated deficit and no retained earnings, the beneficial conversion will be recorded as follows: debit and credit to additional paid in capital for \$2,146,529. The transaction will be shown as separate line item in the statement of stockholders' deficit and is reflected on the income statement as a decrease of income applicable to common shareholders. The above accounting is consistent with the Minutes of joint session with SEC of AICPA SEC regulation Committee which took place on March 20, 2001.

The balance of \$3,627,000 remains payable to Arch Hill after issuance of the Series C Preferred Stock, and is included in the Promissory Notes balance. As the conversion price is beneficial to Arch Hill at the time of the settlement agreement because the conversion price was below market on that date, a beneficial conversion discount was recorded on the remaining debt.

Based on management's calculations, the beneficial conversion discount was higher than the value of the remaining note payable. As the beneficial conversion discount cannot exceed the face value of the note, it was capped at \$3,627,000. Since the debt has no redemption date subsequent to the settlement agreement, the beneficial conversion discount was expensed immediately at the time of the debt settlement transaction.

On March 25, 2009 the Company filed an Amendment to its Restated Certificate of Incorporation in which it increased the amount of authorized common shares to 3,000,000,000. As part of this increase the Company will be able to convert the above mentioned debt to Arch Hill into 190,172,300 shares of common stock. In September 2009 the balance of the outstanding debt to Arch Hill was converted into 190,172,300 shares of Company common stock.

PROMISSORY NOTE TO ARCH HILL

Arch Hill Real Estate N.V. had over the period 2004 and 2005 billed an amount of \$70,000 per month as management fees to Gaia Holding BV. The amount was unpaid as of June 30, 2009 and December 31, 2008 and is included in promissory notes. The total amount was \$1,770,000 and \$1,777,000 as of June 30, 2009 and December 31, 2008. The loans bear cumulative interest at 6% per annum. Under the subordinated loan agreement (the "Subordinated Loan Agreement") terms, the loans can be called when GAIA does not have negative stockholders' equity. The loans are

subordinated to all other creditors of GAIA. Interest accrued during the period from January 1, 2009 to March 30, 2009 in the amount of \$52,000 was added to the outstanding principal amount.

#### JUNE 2008 9% CONVERTIBLE NOTES

The Company closed on a convertible debt financing (the “June 2008 Financing”) by issuing convertible notes (“Convertible Notes”) to fifteen institutional investors from June 12, 2008 to June 30, 2009 (the “Lenders”) for a total of Euros 7.10 million (approximately U.S. \$9,974,000). The Company issued its convertible notes (the “Convertible Notes”) to the Lenders in connection with the June 2008 Financing. The Convertible Notes 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 Convertible Notes. The Convertible Notes accrue interest at 9% per annum and are due and payable on September 30, 2011 (the “Maturity Date”). As of June 30, 2009 and December 31, 2008, Euros 389,000 (approximately \$546,000) and Euros 139,000 (approximately \$204,000) was accrued in interest for these notes, respectively. 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.

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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 EUR 100,000 which was originally granted as a bridge loan in 2008. The amount of EUR 100,000 is included in the balance of the June 2008 9% convertible note as of both June 30, 2009 and December 31, 2008,

Based upon the conversion price and under assumption that all note holders would voluntary choose for a conversion into shares, the Note, principal and accrued interest, would per June 30, 2009 convert into 150,405,099 common shares.

Prior to the Maturity Date, the Convertible Notes 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 Notes: (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.

The Convertible Notes 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 Day after the receipt thereof the net after-tax proceeds 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.

**9% RELATED PARTY DEBENTURE**

The Company closed on a convertible debt financing with Arch Hill from March 1, 2009 to June 30, 2009 (the “Lender”) for a total of Euros 500,000 (approximately U.S. \$703,000). The Company issued its convertible debentures (the “Convertible Debenture”) to the Lenders in connection with this March 2009 Financing. The Convertible Debenture is 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 Convertible Debenture. The Convertible Debenture accrues interest at 9% per annum and is due and payable on September 30, 2011 (the “Maturity Date”). The Company is in the process of finalizing this debt agreement whose terms will be consistent with the terms of the June 2008 9% Convertible Notes. As of June 30,

2009 Euros 10,000 (approximately \$14,000) was accrued in interest.

Based upon the conversion price and under assumption that all note holders would voluntary choose for a conversion into shares, the Note, principal and accrued interest, would per June 30, 2009 convert into 9,608,776 common shares.

#### WARRANT LIABILITY

The Company adopted EITF 07-05 effective January 1, 2009. The adoption of EITF 07-5 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 a 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.

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The warrant issued to Arch Hill, in conjunction with the October 2005 Arch Hill Debt Exchange, and warrant 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 SFAS No. 133. The Portfolio Lenders II, LLC warrant does not contain a net settlement provision. In accordance with EITF 07-5, 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, 2009 to be \$115,000, and recorded other income of \$151,000 resulting from the reduction of the liability associated with fair value changes of the warrants as of June 30, 2009. The Company determined the fair values of these securities using the Black-Scholes valuation model with the following assumptions:

Number of warrants 4,205,262  
 Exercise price \$ .0243  
 Fair value of warrants \$115,000  
 Volatility 147.8%-151.95%  
 Risk-free interest rate 3.76%  
 Expected dividend yield 0%  
 Expected warrant life 5 years

The Company reclassified to equity 6,158,135 warrants which were previously classified as a liability as of the date that the Company’s increase of authorized number of common shares to be issued was effective as these warrants do not contain down-round provisions and no longer meet criteria for liability classification. There was no material impact on the Company’s consolidated results of operations and financial condition as a result of reclassification of these warrants.

## 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, 2009.

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

Warrant liability:

Balance as of January 1, 2009 \$ 292,000  
 Decrease in fair value of warrants (143,000).  
 Reclassification to Equity (34,000)  
 Balance as of June 30, 2009 \$115,000

## SERIES C CONVERTIBLE PREFERRED STOCK

The Company designated 300,000 of the Company’s authorized preferred stock as Series C Preferred Stock in November 2006 and issued 254,983.16 of such shares in private placement transactions in 2006 and 2007 and in February 2008, the Company and Arch Hill which is approximately 64% beneficial owner of the Company, settled

\$2,146,529 of Arch Hill's outstanding debt by issuing 45,016.84 shares of Series C Preferred Stock.

As of June 30, 2009, 66,700 shares of Series C Preferred Stock had been converted into Common Stock and 233,200 shares of Series C Preferred Stock remained outstanding.

Each share of the Series C Preferred Stock is convertible at the option of the Holder thereof into 2,500 shares of Company common stock at any time following the authorization and reservation of a sufficient number of shares of Company common stock by all requisite action, including action by the Company's Board of Directors and by Company stockholders, to provide for the conversion of all outstanding shares of Series C Preferred Stock into shares of Company common stock.

Each share of the Series C Preferred Stock will automatically be converted into 2,500 shares of Company common stock on June 22, 2009, which is 90 days following the authorization and reservation of a sufficient number of shares of Company common stock to provide for the conversion of all outstanding shares of Series C Preferred Stock into shares of Company common stock.

The shares of Series C 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. On all matters as to which shares of common stock or shares of Series C Preferred Stock are entitled to vote or consent, each share of Series C Preferred Stock is entitled to the number of votes (rounded up to the nearest whole number) that the common stock into which it is convertible would have if such Series C Preferred Stock had been so converted into common stock as of the record date established for determining holders entitled to vote, or if no such record date is established, as of the time of any vote on such matters.



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In addition to the voting rights provided above, as long as any shares of Series C 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 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 Preferred Stock;
- (ii) issue any shares of capital stock ranking prior or superior to, or on parity with, the Series C Preferred Stock; or
- (iii) subdivide or otherwise change shares of Series C Preferred Stock into a different number of shares whether in a merger, consolidation, combination, recapitalization, reorganization or otherwise.

The Series C 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 Preferred Stock are convertible would have been entitled to receive if such Series C Preferred Stock had been so converted into common stock prior to such distribution. For issuances of Series C Preferred Stock with beneficial conversion feature the discount is recognized upon issuance.

The Series C Preferred Stock has no mandatory or optional redemption rights, thus, cannot be redeemed for cash. The Series C Preferred Stock is only convertible into the Company's common stock upon the Company having enough shares of common stock authorized to issue. As the control of the conversion lies with the Company in authorizing an increase in the number of shares of Company common stock, the holder cannot force conversion without such increase in authorized shares, and the stock has no redemption rights, the Series C Preferred Stock is classified in permanent equity on the Company's consolidated balance sheet. Upon issuance of the Series C Convertible Preferred stock the par value (\$0.01) is credited toward the Series C Preferred Stock, and the balance is credited toward additional paid-in capital. For issuances of convertible Preferred Stock with beneficial conversion feature the discount is recognized upon issuance as a debit and a credit to additional paid in capital. The beneficial conversion discount on the Series C Preferred Stock is shown as separate line item in the statement of stockholders' deficit and is reflected on the income statement as a decrease/ increase of income/loss applicable to common shareholders.

In September 2009 the Company instructed its transfer agent to convert the outstanding 233,200 shares of Series C Preferred Stock into 583,000,000 shares of Company common stock. and as of September 30, 2009, all of the foregoing shares have been issued other than 69,087,500 shares of Common Stock issuable to the holders of 27,635 shares of Series C Preferred Stock, which have been undeliverable.

**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. We expect that sales will increase significantly as a result of our increased sales and marketing efforts, as a result we also expect that operating and production expenses will increase significantly 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 gross margin of the increased production volume will be positive.

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 have been valued based upon these 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.

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We have recently entered into a number of financing transactions (see Note 7). From January to June 2009, we raised approximately \$3.7 million in debt financing transactions. 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. 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 additionally 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.

Recently Issued Accounting Standards

In June 2008, the FASB issued EITF 07-5, “Determining Whether an Instrument (or Embedded Feature) Is Indexed to an Entity’s Own Stock.” EITF 07-5 provides guidance in assessing whether an equity-linked financial instrument (or embedded feature) is indexed to an entity’s own stock for purposes of determining whether the appropriate accounting treatment falls under the scope of SFAS 133, Accounting For Derivative Instruments and Hedging Activities” and/or EITF 00-19, Accounting For Derivative Financial Instruments Indexed to, and Potentially Settled in, a Company’s Own Stock.” EITF 07-05 is effective as of the beginning of our 2009 fiscal year. The adoption of this EITF did not have material impact on the Company’s consolidated results of operations and financial condition.

In June 2009, the FASB issued SFAS No. 165, “Subsequent Events” (“SFAS 165”). Prior to SFAS 165, the authoritative guidance for subsequent events was previously addressed only in U.S. auditing standards. SFAS 165 establishes general standards of accounting for and disclosure of events that occur after the balance sheet date but before financial statements are issued or are available to be issued and requires the Company to disclose the date through which it has evaluated subsequent events and whether that was the date the financial statements were issued or available to be issued. SFAS 165 does not apply to subsequent events or transactions that are within the scope of other applicable generally accepted accounting principles in the United States (“GAAP”) that provide different guidance on the accounting treatment for subsequent events or transactions. The Company will be adopting SFAS 165 for the period ended June 30, 2009. As a consequence of this adoption, Management has evaluated events relating to the three months and six months ended June 30, 2009 through and including October 9, 2009, the date of issue of the Company’s Condensed Financial Statements.

In June 2009, the FASB issued SFAS No. 168, “The FASB Accounting Standards Codification and the Hierarchy of Generally Accepted Accounting Principles – a Replacement of FASB Statement No. 162” (“SFAS 168”). This Statement identifies the sources of accounting principles and the framework for selecting the principles used in the preparation of financial statements of nongovernmental entities that are presented in conformity with generally accepted accounting principles (GAAP) in the United States (the GAAP hierarchy). This Statement establishes the Codification as the source of authoritative GAAP recognized by the FASB to be applied by nongovernmental entities. Rules and interpretive releases of the SEC under federal securities laws are also sources of authoritative GAAP for SEC

registrants. All guidance contained in the Codification carries an equal level of authority. This Statement is effective for financial statements issued for interim and annual periods ending after September 15, 2009. The Company does not believe that SFAS 168 will have a material effect on its consolidated results of operations or financial condition.

#### 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, 2009, we had an accumulated deficit of approximately \$142,608,000. 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.

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CRITICAL ACCOUNTING ESTIMATES

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, 2008 (as amended) are those that depend most heavily on these judgments and estimates. As of June 30, 2009, there have been no material changes to any of the critical accounting estimates contained in our 2008 Annual Report on Form 10-K (as amended).

RISK FACTORS AFFECTING OUR COMPANY

Investors should carefully consider the following risk factors, 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.

WE ARE SUBJECT TO VARIOUS RISKS THAT MAY MATERIALLY HARM OUR BUSINESS, FINANCIAL CONDITION AND RESULTS OF OPERATIONS. IF ANY OF THESE RISKS OR UNCERTAINTIES ACTUALLY OCCURS, OUR BUSINESS, FINANCIAL CONDITION OR OPERATING RESULTS COULD BE MATERIALLY HARMED. IN THAT CASE, THE TRADING PRICE OF OUR COMMON STOCK COULD DECLINE AND YOU COULD LOSE ALL OR PART OF YOUR INVESTMENT.

IN ADDITION TO THE RISK FACTORS SET FORTH IN OUR FORM 10KSB FOR THE YEAR ENDED DECEMBER 31, 2008, INVESTORS SHOULD BE AWARE OF THE FOLLOWING RISKS:

- WE HAVE A WORKING CAPITAL LOSS, WHICH MEANS THAT OUR CURRENT ASSETS ON JUNE 30, 2009 WERE NOT SUFFICIENT TO SATISFY OUR CURRENT LIABILITIES. We had a working capital deficit of approximately \$12,789,000 at June 30, 2009, which means that our current liabilities exceeded our current assets on June 30, 2009. Current assets are assets that are expected to be converted to cash within one year and, therefore, may be used to pay current liabilities as they become due.
- WE HAVE SUBSTANTIAL INDEBTEDNESS AND ARE HIGHLY LEVERAGED. At June 30, 2009, we had total consolidated indebtedness of approximately \$26,205,000. The level of our indebtedness and related debt service requirements could negatively impact our ability to obtain any necessary financing in the future for working capital, capital expenditures or other purposes. A substantial portion of our future cash flow from operations, if any, may be dedicated to the payment of principal and interest on our indebtedness. Our high leverage may also limit our flexibility to react to changes in business and may place us at a competitive disadvantage to less highly leveraged competitors. In addition, creditors who remain unpaid may initiate collection proceedings, which could hamper our operations due to our short-term cash needs or the effect on our assets subject to debt.

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WE HAVE A HISTORY OF OPERATING LOSSES AND HAVE BEEN UNPROFITABLE SINCE INCEPTION. We incurred net losses of approximately \$143,055,000 from inception to June 30, 2009, including approximately \$3,048,000 of losses to common shareholders in the quarter ended June 30, 2009. We expect to incur substantial additional operating losses in the future. During the six months ended June 30, 2009 and 2008, we generated revenues from product sales in the amounts of \$3,080,000 and \$2,296,000, respectively. We cannot assure you that we will continue to generate revenues from operations or achieve profitability in the near future or at all.

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- **WE NEED SIGNIFICANT FINANCING TO FOR WORKING CAPITAL AND TO COMPLETE OUR PRODUCT COMMERCIALIZATION.** 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. We believe that if we raise approximately \$7 million in debt and equity financings, we would have sufficient funds to meet our operating and expansion capital expenditures needs for at least twelve months. If we do not raise such additional capital, 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. Additional financing may not be available on terms favorable to us or at all. Even if we do obtain financing, it may result in dilution to our stockholders.
- **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 fiscal years ending December 31, 2005 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.

**ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

Not applicable.

**ITEM 4T. 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 acting 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 acting 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, 2009. 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, 2009, 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 Amper, Politziner and Mattia LLP.
- (2) certain disclosures required by GAAP were incorporated in such financial statements and the notes thereto after being identified by Amper, Politziner and Mattia LLP.
- (3) inability to summarize and report financial information on a timely basis.
- (4) the Company's Form 10Q report for the period ended September 30, 2008 and Form 10 K A-1 was filed with the Securities and Exchange Commission prior to the review and approval of the document by the Company's Audit Committee and Independent Registered Accounting Firm.

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, 2009 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.



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PART II.  
OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

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. The Company and management believe that the allegations in the Complaint have no merit and the Company intends to vigorously defend the suit. This matter has not been resolved as of the date hereof.

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, over the period 2001-2004. In the 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 claim is that on the value of the transfer both Value Added Tax and Corporate tax had to be filed and paid. The amounts which in the view of the German Tax authorities should have been paid over the above mentioned period is substantial and could have substantial impact on the continuity of GAIA. Management is preparing a response to the German Tax authorities claim but disagrees with their claim and believes that the ultimate resolution of this matter will not have a material adverse effect on the Company's financial statements.

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. In the opinion of management, after consultation with legal counsel, the ultimate resolution of these matters will not have a material adverse effect on the Company's financial condition, results of operations or cash flows.

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.

ITEM 2. UNREGISTERED SALES OF SECURITIES AND USE OF PROCEEDS

The Company closed on debt financings under the June 2008 Financing described herein with four institutional investors from April 1, 2009 to June 30, 2009 for a total of Euros 837,000 (approximately U.S. \$1,135,000). The Company did not pay any underwriting discounts or commissions in connection with the issuance of the Convertible Notes in this transaction. Issuance of the Convertible Notes were exempt from registration under Section 4(2) of the Securities Act. The Convertible Notes were issued to accredited investors 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.

The Company closed on a convertible debt financing with Arch Hill (the “Lender”) from April 1, 2009 to June 30, 2009 for a total of Euros 450,000 (approximately U.S. \$633,000). The Company issued its convertible debenture (the “Convertible Debenture”) to the Lender in connection with this March 2009 Financing. The Convertible Debenture is 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 Convertible Debenture. The Convertible Debenture accrues interest at 9% per annum and is due and payable on September 30, 2011 (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. Issuance of the Convertible Debenture was exempt from registration under Section 4(2) of the Securities Act. The Convertible Debenture was issued 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.

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ITEM 6. EXHIBITS

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

10.47	Amendment dated March 1, 2009 to July 2007 Note (1)
10.48	Business Consultant Agreement dated September 25, 2009 between the Company and Steenbergh Management B.V.(2)
10.49	Business Consultant Agreement dated September 25, 2009 between the Company and FMSUD Consultancy B.V.(2)
10.50	Business Consultant Agreement dated September 25, 2009 between the Company and OUIDA Management Consultancy B.V.(2)
<u>31.1</u>	<u>Certification of Chief Executive Officer and Acting Principal Financial Officer pursuant to Section 302 of the Sarbanes Oxley Act of 2002 +</u>
<u>32.1</u>	<u>Certification of Chief Executive Officer and Acting Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 +</u>

+ Exhibit filed herewith in this Report.

(1) Incorporated by reference to LTC's Form 10-K for the year ended December 31, 2008

(b) Reports on Form 8K. During the quarter ended June 30, 2009, we filed the following Reports on Form 8-K:

We filed a report on Form 8-K dated May 22, 2009 reporting that the Company had filed a Form 10-Q for the quarter ended September 30, 2008 (the "September 2008 Form 10-Q") with the SEC which included financial statements for the fiscal quarter ended September 30, 2008 (the "September 2008 Financial Statements") that Amper, Politziner & Mattia, LLP ("Amper"), the Company's independent registered public accounting firm, had not yet reviewed and accordingly, all information contained in the September 2008 Form 10-Q, including the September 2008 Financial Statements, was subject to update and revision and should therefore not be relied upon.

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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: October 8, 2009

By: /s/ Theo M. M. Kremers  
Name: Theo M. M. Kremers  
Title: Chief Executive Officer  
(Principal Executive Officer and Acting  
Principal Financial Officer)