

MPHASE TECHNOLOGIES INC  
Form 10-Q  
February 16, 2010

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

**FORM 10-Q**

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

**FOR THE QUARTER ENDED December 31, 2009**

COMMISSION FILE NO. **000-24969**

**mPhase Technologies, Inc.**

(Exact name of registrant as specified in its charter)

**NEW JERSEY**

(State or other jurisdiction of  
incorporation or organization)

**22-2287503**

(I.R.S. Employer  
Identification Number)

**587 CONNECTICUT AVE., NORWALK, CT**

(Address of principal executive offices)

**06854-1711**

(Zip Code)

**ISSUER'S TELEPHONE NUMBER, (203) 838-2741**

**INDICATE BY CHECK MARK WHETHER THE REGISTRANT (1) HAS FILED ALL REPORTS  
REQUIRED TO BE FILED BY SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934,  
DURING THE PRECEDING 12 MONTHS (OR FOR SHORTER PERIOD THAT THE REGISTRANT WAS  
REQUIRED TO FILE SUCH REPORT), AND (2) HAS BEEN SUBJECT TO SUCH FILING  
REQUIREMENTS FOR THE PAST 90 DAYS.**

YES  NO

**THE NUMBER OF SHARES OUTSTANDING OF EACH OF THE REGISTRANT'S CLASSES OF  
COMMON STOCK AS OF February 12, 2010 IS 1,050,229,253 SHARES, ALL OF ONE CLASS OF \$.01  
STATED VALUE COMMON STOCK.**

## mPHASE TECHNOLOGIES, INC.

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mPHASE TECHNOLOGIES, INC.  
(A Development Stage Company)

**Consolidated Balance Sheets**

	June 30, 2009	December 31, 2009 (Unaudited)
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
Cash	\$ 100,138	\$ 523,064
Accounts receivable	46,065	50,305
Prepaid and other current assets	153,636	206,346
<b>Total Current Assets</b>	<b>299,839</b>	<b>779,715</b>
Property and equipment, net	39,648	81,270
Note receivable	3,150,000	6,214,000
<b>TOTAL ASSETS</b>	<b>\$ 3,489,487</b>	<b>\$ 7,074,985</b>
<b>LIABILITIES AND STOCKHOLDERS' DEFICIT</b>		
<b>CURRENT LIABILITIES</b>		
Accounts payable	\$ 1,864,955	\$ 1,755,314
Accrued expenses	482,388	580,362
Due to related parties	369,920	65,958
Notes payable, related parties	1,332,400	1,314,796
Short term notes	240,820	240,820
Current Portion, Long term debt	-	9,782
<b>TOTAL CURRENT LIABILITIES</b>	<b>\$ 4,290,483</b>	<b>\$ 3,967,031</b>
Long term portion Equipment loan	-	32,981
Convertible debt derivative liability - (Note 4)	2,380,816	4,952,278
Convertible debentures net of discount of \$1,385,395 and \$3,213,664 on June 30, 2009 and Dec. 31, 2009 respectively (Note 4)	2,052,355	4,445,361
<b>TOTAL LIABILITIES</b>	<b>\$ 8,723,654</b>	<b>\$ 13,397,651</b>
<b>COMMITMENTS AND CONTINGENCIES (Note 6)</b>		
<b>STOCKHOLDERS' DEFICIT</b>		
Common stock, par value \$.01, 2,000,000,000 shares authorized 870,419,882 and 1,035,959,396 shares issued and outstanding at June 30, 2009 and Dec. 31, 2009 respectively	8,704,198	10,359,593
Additional paid in capital	173,867,627	175,020,812
Deficit accumulated during development stage	(187,798,019)	(191,695,098)
Less-Treasury stock, 13,750 shares at cost	(7,973)	(7,973)
<b>TOTAL STOCKHOLDERS' DEFICIT</b>	<b>(\$5,234,167)</b>	<b>(\$6,322,666)</b>

**TOTAL LIABILITIES AND STOCKHOLDERS'  
DEFICIT**

**\$ 3,489,487 \$ 7,074,985**

The accompanying notes are an integral part of these consolidated financial statements.

mPHASE TECHNOLOGIES, INC.  
(A Development Stage Company)  
**Consolidated Statements of Operations**  
(unaudited)

	For the Three Months ended Dec 31,		Date of Inception to Dec 31, 2009
	<u>2008</u>	<u>2009</u>	
REVENUES	\$ 44,857	\$ 34,537	\$ 22,834,992
<b>COSTS AND EXPENSES</b>			
Cost of Sales	0	0	16,424,692
Research and Development (including non-cash stock related charges of \$0, \$0 and \$2,503,719 for the three months ended Dec. 31, 2008, 2009 and inception to date respectively)	215,620	579,247	61,309,746
General and Administrative (including non-cash stock related charges of \$0, \$43,050 and \$67,887,964 for the three months ended Dec. 31, 2008, 2009 and inception to date respectively)	499,725	489,232	119,936,009
Depreciation and Amortization	12,642	7,286	3,316,735
<b>TOTAL COSTS AND EXPENSES</b>	<b>727,987</b>	<b>1,075,765</b>	<b>\$ 200,987,182</b>
<b>LOSS FROM OPERATIONS</b>	<b>(683,130)</b>	<b>(1,041,228)</b>	<b>(178,152,190)</b>
<b>OTHER INCOME (EXPENSE)</b>			
Interest (Expense), net	(61,650)	(42,116)	(2,426,656)
Reparation, Impairment and Other (Expense) net	0	(35,530)	(8,541,953)
Change in Derivative Value and Debt Discount	(1,844,571)	(2,381,263)	(2,574,299)
<b>TOTAL OTHER INCOME (EXPENSE)</b>	<b>(1,906,221)</b>	<b>(2,458,909)</b>	<b>(13,542,908)</b>
<b>NET (LOSS)</b>	<b>(\$2,589,351)</b>	<b>(\$3,500,137)</b>	<b>\$ (191,695,098)</b>
<b>LOSS PER COMMON SHARE, basic and diluted</b>	<b>(\$0.01)</b>	<b>(\$0.00)</b>	
<b>WEIGHTED AVERAGE COMMON SHARES OUTSTANDING, basic and diluted</b>	<b>486,056,567</b>	<b>1,161,402,532</b>	

The accompanying notes are an integral part of these consolidated financial statements.

mPHASE TECHNOLOGIES, INC.  
(A Development Stage Company)  
**Consolidated Statements of Operations**  
(unaudited)

	For the Six Months ended Dec 31,		Date of Inception to Dec 31,
	<u>2008</u>	<u>2009</u>	<u>2009</u>
REVENUES	\$ 51,123	\$ 86,375	\$ 22,834,993
<b>COSTS AND EXPENSES</b>			
Cost of Sales	0	0	16,424,692
Research and Development (including non-cash stock related charges of \$93,600, \$0 and \$2,503,719 for the six months ended Dec. 31, 2008, 2009 and inception to date respectively)	603,296	1,093,573	61,309,746
General and Administrative (including non-cash stock related charges of \$5,511,950, \$43,050 and \$67,887,964 for the six months ended Dec.31, 2008, 2009 and inception to date respectively)	6,738,985	910,056	119,936,009
Depreciation and Amortization	26,125	12,571	3,316,735
<b>TOTAL COSTS AND EXPENSES</b>	<b>7,368,406</b>	<b>2,016,200</b>	<b>200,987,182</b>
<b>LOSS FROM OPERATIONS</b>	<b>(7,317,283)</b>	<b>(1,929,825)</b>	<b>(178,152,189)</b>
<b>OTHER INCOME (EXPENSE)</b>			
Interest (Expense), net	(100,703)	(722,817)	(2,426,657)
Reparation, Impairment and Other (Expense) net	(198,372)	(31,246)	(8,541,953)
Change in Derivative Value and Debt Discount	(1,723,991)	(1,213,193)	(2,574,299)
<b>TOTAL OTHER INCOME (EXPENSE)</b>	<b>(\$2,023,066)</b>	<b>(\$1,967,256)</b>	<b>(13,542,909)</b>
<b>NET (LOSS)</b>	<b>(\$9,340,349)</b>	<b>(\$3,897,081)</b>	<b>(191,695,098)</b>
<b>LOSS PER COMMON SHARE, basic and diluted</b>	<b>(\$0.02)</b>	<b>(\$0.00)</b>	
<b>WEIGHTED AVERAGE COMMON SHARES OUTSTANDING, basic and diluted</b>	<b>519,217,774</b>	<b>979,929,496</b>	

The accompanying notes are an integral part of these consolidated financial statements.

**mPHASE TECHNOLOGIES, INC.**  
**(A Development Stage Company)**  
**Consolidated Statement of Changes in Shareholders' Deficit**  
**For The Six Months Ended December 31, 2009**  
(unaudited)

## Common Stock

	Shares	\$.01 Par Value	Treasury Stock	Additional Paid in Capital	Accumulated Deficit	Total Shareholders' (Deficit) Equity
Balance June 30, 2009	870,419,882	\$ 8,704,198	\$ (7,973)	173,867,627	\$ (187,798,019)	(5,234,167)
Conversions of Convertible Debentures plus accrued interest	108,506,180	1,085,062	-	595,663	-	1,680,725
Conversions of Accounts Payable	26,666,667	266,667	-	(66,667)	-	200,000
Issuance of common stock in private placements net of offering cost (\$20,000)	26,666,667	266,667	-	(86,667)	-	180,000
Issuance of Common Stock for Services	2,000,000	20,000		23,050		43,050
Issuance of Common Stock for Reparations	1,700,000	17,000		18,530		35,530
Beneficial Conversion feature of Officers'	-	-	-	669,276	-	669,276

Notes  
Payable and  
conversion  
of accounts  
payable

Net Loss for the Six Months Ended December 31, 2009	-	-	-	-	(3,897,081)	(3,897,081)
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Balance December 31, 2009	1,035,959,396	\$ 10,359,594	\$ (7,973)	\$ 175,020,812	\$ (191,695,100)	(6,322,667)
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The accompanying notes are an integral part of these consolidated financial statements.



**mPHASE TECHNOLOGIES, INC.**  
(A Development Stage Company)  
**Consolidated Statements of Cash Flows**  
(unaudited)

	For Six Months Ended		October 2, 1996 (Date of Inception) To Dec 31, <u>2009</u>
	Dec 31, <u>2008</u>	Dec 31, <u>2009</u>	
<b>Cash Flow From Operating Activities:</b>			
Net Income (Loss)	(\$9,340,349)	(\$3,897,081)	(\$191,695,098)
Adjustments to reconcile net loss to net cash used in operating activities:			
Depreciation and amortization	104,486	18,397	7,418,697
(Gain) loss on debt extinguishments	-	-	(937,370)
Non-cash charges relating to issuance of common stock, common stock options and warrants	5,605,550	43,050	70,260,481
Reparation charges	216,689	35,530	8,264,264
Derivative Value and Debt Discount charges	1,723,991	1,213,193	3,224,450
Write off of Granita Inventory/Sovereign Investment	-		615,910
Other non cash charges including amortization of deferred compensation and beneficial conversion interest expense	-	669,276	2,712,901
Changes in assets and liabilities:			
Accounts receivable	(44,367)	4,240	386,051
Inventories	-	-	(510,471)
Prepaid expenses and Other current assets	90,382	(52,710)	(125,285)
Other		-	906,535
Accounts payable, Accrued expenses, Deferred revenue	154,934	125,936	8,435,817
Due to/from related parties			-
Microphase / Janifast/Lintel	-	(118,045)	5,391,842
Officers and Other	144,072	(17,604)	1,693,753
<b>Net cash used in operating activities</b>	<b>(\$1,344,612)</b>	<b>(\$1,975,818)</b>	<b>(\$83,957,523)</b>
<b>Cash Flow from Investing Activities:</b>			
Payments related to patents and licensing rights	-	-	(450,780)
Purchase of fixed assets	-	(15,000)	(3,302,560)
Investment in Sovereign	-	-	(110,000)
<b>Net Cash (used) in investing activities</b>	<b>\$ 0</b>	<b>(\$15,000)</b>	<b>(\$3,863,340)</b>
<b>Cash Flow from Financing Activities:</b>			
Proceeds from issuance of common stock, exercises warrants and finders fees, net	180,000	180,000	82,878,879
Payments of short term notes and equipment loan		(2,256)	(1,283,808)
Advances from Microphase			347,840
Issuance of Convertible Debentures			266,500

Net Proceeds (Repayment) from notes payable related parties			234,516
Proceeds under securities purchase agreements (note 4)	1,150,000	2,236,000	5,386,000
Sale of minority interest in Granita subsidiary			514,000
Repurchase of treasury stock at cost			-
<b>Net cash provided by financing activities</b>	<b>\$ 1,330,000</b>	<b>\$ 2,413,744</b>	<b>\$ 88,343,927</b>
<b>Net increase in cash</b>	<b>(\$14,612)</b>	<b>\$ 422,926</b>	<b>\$ 523,064</b>
CASH AND CASH EQUIVALENTS, beginning of period	15,533	100,138	
CASH AND CASH EQUIVALENTS, end of period	<b>\$ 921</b>	<b>\$ 523,064</b>	<b>\$ 523,064</b>

The accompanying notes are an integral part of these consolidated financial statements.

mPHASE TECHNOLOGIES, INC.  
(A DEVELOPMENT STAGE COMPANY)  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
(UNAUDITED)

**1. BASIS OF PRESENTATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**NATURE OF OPERATIONS** - mPhase Technologies, Inc. (the "Company") was organized on October 2, 1996 and is in the development stage, as defined by Statement of Financial Accounting Standards ("SFAS") No. 7, "Accounting and Reporting by Development Stage Enterprises." The Company's present activities are focused on microfluidics, microelectromechanical systems (MEMS) and nanotechnology. Since mPhase is in the development stage, the accompanying consolidated financial statements should not be regarded as typical for normal operating periods.

**BASIS OF PRESENTATION** - The accompanying unaudited consolidated financial statements have been prepared in accordance with generally accepted accounting principles for interim financial information and pursuant to the regulations of the Securities Exchange Commission. Accordingly, they do not include all of the information and footnotes required by generally accepted accounting principles for complete financial statements. In the opinion of management, all adjustments considered necessary for a fair presentation have been included. Operating results for the three and six months ending December 31, 2009 are not necessarily indicative of the results that may be expected for a full fiscal year. For further information, refer to the consolidated financial statements and footnotes thereto included in the Company's Annual Report on Form 10-K for the year ended June 30, 2009.

Through, December 31, 2009 the Company had incurred cumulative (a) development stage losses totaling approximately (\$191,695,098) (b) stockholders' deficit of (\$6,322,666), and (c) negative cash flow from operations equal to (\$83,957,523). At, December 31, 2009, the Company had \$523,064 of cash and \$50,305 of trade receivables to fund short-term working capital requirements. In addition, the Company relies on the continuation of funding under certain convertible securities agreements (See Note 4) The Company's ability to continue as a going concern and its future success is dependent upon its ability to raise capital in the near term to: (1) satisfy its current obligations, (2) continue its research and development efforts, and (3) allow the successful wide scale development, deployment and marketing of its products.

**USE OF ESTIMATES** - The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting periods. Actual results could differ from those estimates.

**LOSS PER COMMON SHARE, BASIC AND DILUTED** - The Company accounts for net loss per common share in accordance with the provisions of ASC 260-10, "EARNINGS PER SHARE" ("EPS"). ASC 260-10 requires the disclosure of the potential dilution that could occur if securities or other contracts to issue common stock were exercised or converted into common stock or resulted in the issuance of common stock that then shared in the earnings of the entity. Common equivalent shares have been excluded from the computation of diluted EPS for all periods presented since their affect is anti dilutive. At December 31, 2009, the Company's convertible debentures agreements are convertible into approximately 509,043,000 shares of common stock. The officer's notes payable and accrued interest therein are convertible into 195,000,000 shares of common stock, if available.

**NEW ACCOUNTING PRONOUNCEMENTS**- In June 2008, the Financial Accounting Standards Board (FASB) ratified the final consensuses for ASC 815-40-5 Determining Whether an Instrument (or Embedded Feature) Is Indexed to an Entity's Own Stock (ASC 815-40-5). ASC 815-40-5 became effective for fiscal years beginning after December 15, 2008. The adoption of ASC 915-40-50 did not have a material effect on the Company's results of operations or financial condition. Effective July 1, 2009, the Company adopted the Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 105-10, *Generally Accepted Accounting Principles - Overall*

( ASC 105-10 ). ASC 105-10 establishes the *FASB Accounting Standards Codification* (the Codification ) as the source of authoritative accounting principles recognized by the FASB to be applied by nongovernmental entities in the preparation of financial statements in conformity with U.S. GAAP. Rules and interpretive releases of the SEC under authority of federal securities laws are also sources of authoritative U.S. GAAP for SEC registrants. All guidance contained in the Codification carries an equal level of authority. The Codification superseded all existing non-SEC accounting and reporting standards. All other non-grandfathered, non-SEC accounting literature not included in the Codification is non-authoritative. The FASB will not issue new standards in the form of Statements, FASB Staff Positions or Emerging Issues Task Force Abstracts. Instead, it will issue Accounting Standards Updates ( ASUs ). The FASB will not consider ASUs as authoritative in their own right. ASUs will serve only to update the Codification, provide background information about the guidance and provide the bases for conclusions on the change(s) in the Codification. References made to FASB guidance throughout this document have been updated for the Codification.

Effective January 1, 2009, the Company adopted FASB ASC Topic 805, *Business Combinations* ( ASC 805 ). ASC 805 establishes principles and requirements for how the acquirer of a business recognizes and measures in its financial statements the identifiable assets acquired, the liabilities assumed, and any non-controlling interest in the acquiree. ASC 805 also provides guidance for recognizing and measuring the goodwill acquired in the business combination and determines what information to disclose to enable users of the financial statements to evaluate the nature and financial effects of the business combination. ASC 805 also provides guidance for recognizing changes in an acquirer's existing income tax valuation allowances and tax uncertainty accruals that result from a business combination transaction as adjustments to income tax expense. The adoption of ASC 805 did not have an impact on the Company's results of operations or financial condition.

In April 2009, the FASB issued updated guidance related to business combinations, which is included in the Codification in ASC 805-20, *Business Combinations - Identifiable Assets, Liabilities and Any Noncontrolling Interest* ( ASC 805-20 ). ASC 805-20 amends and clarifies ASC 805 to address application issues regarding initial recognition and measurement, subsequent measurement and accounting and disclosure of assets and liabilities arising from contingencies in a business combination. In circumstances where the acquisition-date fair value for a contingency cannot be determined during the measurement period and it is concluded that it is probable that an asset or liability exists as of the acquisition date and the amount can be reasonably estimated, a contingency is recognized as of the acquisition date based on the estimated amount. ASC 805-20 is effective for assets or liabilities arising from contingencies in business combinations for which the acquisition date is on or after the beginning of the first annual reporting period beginning on or after December 15, 2008. The Company does not believe ASC 805-20 will have a material impact on the Company's future financial statements.

Effective January 1, 2008, the Company adopted FASB ASC 820-10, *Fair Value Measurements and Disclosures - Overall* ( ASC 820-10 ) with respect to its financial assets and liabilities. In February 2008, the FASB issued updated guidance related to fair value measurements, which is included in the Codification in ASC 820-10-55, *Fair Value Measurements and Disclosures - Overall - Implementation Guidance and Illustrations*. The updated guidance provided a one year deferral of the effective date of ASC 820-10 for non-financial assets and non-financial liabilities, except those that are recognized or disclosed in the financial statements at fair value at least annually. Therefore, the Company adopted the provisions of ASC 820-10 for non-financial assets and non-financial liabilities effective January 1, 2009, and such adoption did not have a material impact on the Company's results of operations or financial condition.

Effective April 1, 2009, the Company adopted FASB ASC 820-10-65, *Fair Value Measurements and Disclosures - Overall - Transition and Open Effective Date Information* ( ASC 820-10-65 ). ASC 820-10-65 provides additional guidance for estimating fair value in accordance with ASC 820-10 when the volume and level of activity for an asset or liability have significantly decreased. ASC 820-10-65 also includes guidance on identifying circumstances that indicate a transaction is not orderly. The adoption of ASC 820-10-65 did not have an impact on the Company's results of operations or financial condition.

Effective April 1, 2009, the Company adopted FASB ASC 825-10-65, *Financial Instruments - Overall - Transition and Open Effective Date Information* ( ASC 825-10-65 ). ASC 825-10-65 amends ASC 825-10 to require disclosures about fair value of financial instruments in interim financial statements as well as in annual financial statements and also amends ASC 270-10 to require those disclosures in all interim financial statements. The adoption of ASC 825-10-65 did not have a material impact on the Company's results of operations or financial condition.

Effective April 1, 2009, the Company adopted FASB ASC 855-10, *Subsequent Events – Overall* ( ASC 855-10 ). ASC 855-10 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. It requires the disclosure of the date through which an entity has evaluated subsequent events and the basis for that date – that is, whether that date represents the date the financial statements were issued or were available to be issued. This disclosure should alert all users of financial statements that an entity has not evaluated subsequent events after that date in the set of financial statements being presented. Adoption of ASC 855-10 did not have a material impact on the Company’s results of operations or financial condition.

Effective July 1, 2009, the Company adopted FASB ASU No. 2009-05, *Fair Value Measurements and Disclosures (Topic 820)* ( ASU 2009-05 ). ASU 2009-05 provided amendments to ASC 820-10, *Fair Value Measurements and Disclosures – Overall*, for the fair value measurement of liabilities. ASU 2009-05 provides clarification that in circumstances in which a quoted price in an active market for the identical liability is not available, a reporting entity is required to measure fair value using certain techniques. ASU 2009-05 also clarifies that when estimating the fair value of a liability, a reporting entity is not required to include a separate input or adjustment to other inputs relating to the existence of a restriction that prevents the transfer of a liability. ASU 2009-05 also clarifies that both a quoted price in an active market for the identical liability at the measurement date and the quoted price for the identical liability when traded as an asset in an active market when no adjustments to the quoted price of the asset are required are Level 1 fair value measurements. Adoption of ASU 2009-05 did not have a material impact on the Company’s results of operations or financial condition.

In October 2009, the FASB issued ASU 2009-13, *Multiple-Deliverable Revenue Arrangements*, (amendments to FASB ASC Topic 605, *Revenue Recognition*) ( ASU 2009-13 ) and ASU 2009-14, *Certain Arrangements That Include Software Elements*, (amendments to FASB ASC Topic 985, *Software*) ( ASU 2009-14 ). ASU 2009-13 requires entities to allocate revenue in an arrangement using estimated selling prices of the delivered goods and services based on a selling price hierarchy. The amendments eliminate the residual method of revenue allocation and require revenue to be allocated using the relative selling price method. ASU 2009-14 removes tangible products from the scope of software revenue guidance and provides guidance on determining whether software deliverables in an arrangement that includes a tangible product are covered by the scope of the software revenue guidance. ASU 2009-13 and ASU 2009-14 should be applied on a prospective basis for revenue arrangements entered into or materially modified in fiscal years beginning on or after June 15, 2010, with early adoption permitted. The Company does not expect adoption of ASU 2009-13 or ASU 2009-14 to have a material impact on the Company’s results of operations or financial condition.

## 2. SUPPLEMENTAL CASH FLOW INFORMATION

For the six months ended December 31,

	2008	2009
Interest Accrued Unpaid	\$ 100,703	261,975
Non Cash Investing and Financing Activities:		
Stock issued in settlement of accrued expenses		\$ 200,000
Conversion of convertible debt	\$ 1,450,895	
		\$ 1,680,725
Beneficial Conversion of Officer's Notes and Conversion of Accounts Payable		\$ 669,276

### **3. RELATED PARTY TRANSACTIONS**

#### ***MICROPHASE CORPORATION***

mPhase's President, Chief Operating Officer and Chairman of the Board of the Company are also officers of Microphase and mPhase's President and Chairman of the Board is a shareholder of Microphase. On May 1, 1997, the Company entered into an agreement with Microphase, whereby it will use office space as well as the administrative services of Microphase, including the use of accounting personnel. This agreement was for \$5,000 per month and was on a month-to-month basis. In July 1998, the office space agreement was revised to \$10,000, in January 2000 to \$11,050 per month, in July 2001 to \$11,340 per month, in July 2002 to \$12,200 per month, in January 2003 to \$10,000 per month, and in July 2003 to \$18,000 per month. Additionally, in July 1998, mPhase entered into an agreement with Microphase, whereby mPhase reimburses Microphase \$40,000 per month for technical research and development. In January 2003 the technical research and development agreement was revised to \$20,000 per month, and in July 2003 it was further revised to \$5,000 per month for technical and research development, \$5,000 per month for administrative services and \$5,000 per month under the office space agreement. Beginning July 1, 2006, billings for all of the above services were \$5,000 per month and were changed to \$3,000 in July of 2008. In addition, Microphase also charges fees for specific projects on a project-by-project basis. During the six months ended December 31, 2008 and 2009 and from inception (October 2, 1996), \$28,935, \$197,234 and \$9,520,325, respectively, have been charged to expense.

As a result of the foregoing transactions, as of December 31, 2009, the Company had a payable to Microphase of \$112,987.

#### **JANIFAST LTD.**

The Company has in the past purchased products and incurs certain research and development expenses with Janifast Ltd., which is owned by U.S. Janifast Holdings, Ltd., a company in which three directors of mPhase are significant shareholders and one is an officer, in connection with the manufacturing of POTS Splitter shelves and component products including cards and filters sold by the Company. In March of 2009 Janifast Ltd. ceased operations owing to adverse financial conditions globally

During the six months ended December 31, 2008 and 2009 and the period from inception (October 2, 1996), \$0, \$0 and \$16,031,811 respectively, have been charged by Janifast Ltd to inventory or is included in operating expenses in the accompanying statements of operations.

#### ***OTHER RELATED PARTIES***

Mr. Abraham Biderman was employed until September 30, 2003 by our former investment-banking firm Lipper & Company On December 31, 2009, Mr. Biderman's affiliated firm of Palladium Capital Advisors was owed unpaid finders fees in the amount of \$150,000. During the six months ended December 31, 2009 and December 31, 2008 finders fees in the amount of \$20,000 and \$0, respectively, were recorded.

#### **Transactions with Officers**

At various points during the current quarter and at various points during the past fiscal year the Messrs, Durando, Dotoli and Smiley provided bridge loans to the Company, evidenced by individual promissory notes and deferred compensation so as to provide working capital to the Company. All of the notes are payable on demand.

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Total compensation (including the value of stock awards) to related parties and payables to officers are summarized below.

**Summary of compensation to related parties for the Six Months Ended December 31, 2009**

	Durando	Dotoli	Smiley	Biderman	Microphase	Total
Consulting / Salary	\$ 100,000	\$ 90,000	\$ 87,500			\$ 277,500
Interest	\$ 34,795	\$ 24,797	\$ 14,603			\$ 74,194
Rent					\$ 18,000	\$ 18,000
G&A					\$ 1,846	\$ 1,846
R&D					\$ 125,000	\$ 125,000
Finders Fees				\$ 20,000		\$ 20,000
Stock based compensation (shares issued)*						\$ 0
Stock based compensation (options issued)*						\$ 0
<b>Total compensation</b>	<b>\$ 134,795</b>	<b>\$ 114,797</b>	<b>\$ 102,103</b>	<b>\$ 20,000</b>	<b>\$ 144,846</b>	<b>\$ 516,540</b>

**Summary of payables to related parties as of December 31, 2009**

	Durando	Dotoli	Smiley	Microphase
Notes payable	\$ 527,420	\$ 366,306	\$ 214,225	
Due to Officers / Affiliates	\$ 0	\$ 0	\$ 0	\$ 112,987
Interest Payable	\$ 96,268	\$ 87,310	\$ 24,209	
<b>Total Payable to related parties as of December 31, 2009</b>	<b>\$ 623,688</b>	<b>\$ 453,616</b>	<b>\$ 238,434</b>	<b>\$ 112,987</b>

**Summary of Compensation to related parties for the Six Months Ended December 31,2008**

	Durando	Dotoli	Smiley	Biderman	Microphase	Total
Consulting / Salary	\$ 165,217	\$ 128,500	\$ 93,750			\$ 387,467
Interest	\$		8,582			\$ 8,582
Rent					\$ 18,000	\$ 18,000
G&A					\$ 10,961	\$ 10,961
Finders Fees				\$ 20,000		\$ 20,000
Stock based compensation (shares issued)*	\$ 1,215,000	\$ 720,000	\$ 450,000	\$ 180,000		\$ 2,565,000
Stock based compensation (options issued)*	\$ 1,350,000	\$ 810,000	\$ 486,000	\$ 54,000		\$ 2,700,000
<b>Total compensation</b>	<b>\$ 2,730,217</b>	<b>\$ 1,658,500</b>	<b>\$ 1,038,332</b>	<b>\$ 254,000</b>	<b>\$ 28,961</b>	<b>\$ 5,710,011</b>
Common stock issued*	27,000,000	16,000,000	10,000,000	4,000,000		57,000,000
	50,000,000	30,000,000	18,000,000	2,000,000		100,000,000



Options issued (5years  
@5 cents)

**Summary of payables to related parties as of December 31, 2008**

	Durando	Dotoli	Smiley	Microphase	Janifast	Total
Notes payable	\$ 17,000	\$ 23,000	\$ 229,826			\$ 269,826
Deferred Compensation	\$ 278,000	\$ 323,500				\$ 601,500
Due to Officers / Affiliates	\$ 327,707	\$ 114,256		\$ 56,990	(\$19,336)	\$ 479,617
Interest Payable			\$ 27,334		\$	27,334
<b>Total Payable to Officers</b>	<b>\$ 622,707</b>	<b>\$ 460,756</b>	<b>\$ 257,160</b>	<b>\$ 56,990</b>	<b>(\$19,336)</b>	<b>\$ 1,378,277</b>

\*Shares issued to officers are pursuant to agreements dated August 8, 2008 between the Company and the Messrs Durando, Dotoli and Smiley. The agreements state that the stock granted may not be sold until the earlier of two (2) years or when the stock price for 60 consecutive days closes at a price of \$.25 per share or greater and the average trading volume during such 60 day period is not less than 1,000,000 shares per day.

**4. EQUITY TRANSACTIONS AND CONVERTIBLE DEBT****Private Placements**

During the Six Months ended December 31, 2009, the Company issued 2,666,667 shares of its common stock at \$.0075 per share in private placements generating gross proceeds of \$200,000 with placement costs of \$20,000, netting \$180,000.

During the Six Months ended December 31, 2008, the Company issued 4,000,000 shares of its common stock at \$.05 per share in private placements generating net proceeds of \$180,000, after placement costs of \$20,000. Related to this transaction was the issuance of 3,862,000 shares as reparations shares to effect re-pricing costing an estimated \$216,689.

**Stock Based Compensation**

During the six months ended December 31, 2009, the Company issued 2,000,000 shares of common stock to employees and consultants valued at \$43,505.

During the six months ended December 31, 2008, the Company issued 5 year options to purchase 104,675,000 shares of common stock at \$.05 per share. The value of such options was estimated to be \$2,825,900 using the Black Scholes method. In addition, 61,750,000 shares of common stock valued at \$2,779,650 were issued to employees and consultants.

**Conversion of debt securities and Strategic vendor payables**

During the six months ended December 31, 2009, \$1,680,725 of convertible debt and accrued interest thereon was converted into 108,506,180 shares of Common stock.

During the six months ended December 31, 2009, \$200,000 of accounts payable to Microphase Corporation was converted into 26,666,667 shares of Common stock. The Company recorded \$586,667 interest expense on the beneficial conversion feature. The Company recorded \$82,609 interest expense on the beneficial conversion feature of officer's notes during the six months ended December 31, 2009.

During the six months ended December 31, 2008, \$1,450,895 of convertible debt was converted into 88,033,300 shares of common stock.



## **Long Term Convertible Debentures / Note Receivable / Debt Discount**

The Company currently had six separate convertible debt arrangements with independent investors outstanding at December 31, 2009. During the six months ended December 31, 2009, \$1,680,725 of convertible debt and accrued interest thereon was converted into 108,506,180 shares of Common stock. These transactions are intended to provide liquidity and capital to the Company and are summarized below.

### **General**

The economic substance of convertible debt arrangements entered into beginning December 2007 was to provide the Company with needed liquidity to supplement the private equity markets.

The form of the transactions may generally be described as follows:

- The receipt of cash
- The issuance of a note payable from mPhase.
- The issuance of a note receivable due to mPhase
- A Securities Purchase Agreement
- The note payable contains conversion features which permit the holder to convert debt into equity. Such debt was eligible to be converted into the Company's common stock immediately, thus requiring the recording of the entire liability upfront. Finally, to encourage conversion, a discount from market value was offered.
- The aggregate amount of notes payable exceeded the amount of cash received. As Consideration for this difference the Company took back a secured Note Receivable. Security is generally liquid investments of the investor.
- The note receivable provides a commitment to fund mPhase operations at particular points in time. It was this commitment that required us to record on our books the note payable and the note receivable separately versus netting the balances.

### **Derivative Value and Debt Discount**

It was determined that the value of the note payable to the holder (investor) was primarily due to the favorable conversion features of the note. In accordance with SFAS 133, the conversion feature requires the bifurcation of the embedded derivative from the host document and separate reporting of the embedded conversion feature at fair value determined by a Black-Scholes calculation. The value of the agreement includes the conversion feature and the variable amount of shares that may be converted at any particular point in time. As such and under GAAP, our Balance Sheet reflects the value of the embedded conversion feature as Derivative Value and the corresponding contra account to Notes Payable called Debt Discount.

At the end of every quarter the fair value of Derivative Securities is reviewed and adjustments made accordingly. The volatility of the stock price, the amount and variable number of shares involved and the low price of our stock has caused this value to fluctuate significantly. In addition, the debt discount is adjusted for any conversions and amortized over the remaining life of the loan.

**A summary of our arrangement is as follows:**

#### **Arrangement #1 (LaJolla Cove Investors Inc.)**

On Sept 11, 2008, the Company received proceeds of \$200,000 under a Securities Purchase Agreement from La Jolla Cove Investors, Inc. This transaction involves three related agreements: 1) A Securities Purchase Agreement which may under certain circumstances permit the Company to draw up to \$2,000,000 of funds; 2) A Convertible Debenture totaling \$2,000,000, with a interest rate of 7 1/4% and a maturity date of September 30, 2011 and 3) A Secured Note

Receivable in the amount of \$1,800,000, with a interest rate of 8 1/4% and maturity dates of September 30,2011 due from the same parties who are the holders of the Convertible Debentures. Conversion of outstanding debentures into common shares is at the option of the holder at a price equal to the dollar amount of the debenture divided by the lesser of \$.35 per share or 80% of the three lowest Volume Weighted Average Prices during a 20 day trading period. At the time of the transaction (September 11, 2008) the derivative value of this security

was calculated to be \$1,176,471. As of September 30, 2009 this value had decreased to \$519,044. On December 31, 2009, given the changes in the stock price, this value had increased to \$1,076,482, a \$557,438 increase this quarter creating a non-cash credit to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$143,292 reducing the balance to \$431,144.

#### **Arrangement #2 JMJ Financial**

On December 31, 2008, the Company entered into a second agreement with JMJ Financial. This transaction involves; 1) A Convertible Debenture in the amount of \$1.1 million, with a one time interest factor of 12% and a maturity date of December 31, 2011 and 2) A Secured Note Receivable in the amount of \$1.0 million, with a one time interest factor of 13.2 % and maturity date of December 31, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding debentures into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the Lowest Trading Price during the 20 day trading period prior to conversion. For the six months ended December 31, 2009 the Company received \$900,000 of cash draws under the Debenture and the holder had converted into 64,522,845 common stock principal and accrued interest thereon in the amount of \$1,020,975.

On June 30, 2009 the derivative value of this security was calculated to be \$444,552. On September 30, 2009, that amount was 195,721 and on December 31, 2009 that value was decreased to \$55,595 given the changes in the stock price combined with the fact that the principle interest due under the debenture had material conversions in satisfaction of the debt liability, reducing the outstanding debt to \$79,025 at December 31, 2009. The decrease in the derivative liability for the three months ended December 31, 2009 was \$140,129. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$453,226 reducing the balance to \$35,663.

#### **Arrangement#3 (JMJ Financial, Inc.)**

On August 19, 2009, the Company received proceeds of \$250,000 in connection with a third agreement with JMJ Financial. This transaction involves 1) a Convertible Debenture in the amount of \$1,870,000, plus a one time interest factor of 12% (\$224,400) and a maturity date of August 10, 2012 and 2) A Secured Note Receivable in the amount of \$1,700,000 plus a one time interest factor of 13.2% (\$224,400) and a maturity date of August 10, 2012 due from the same parties who are the holders of the Convertible Debenture.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. At the commitment date the derivative liability for the embedded conversion feature of such security was \$1,054,395 and the debt discount was valued at \$1,224,395.

On September 30, 2009 the derivative liability had decreased to \$759,333. On December 31, 2009, given the changes in the stock price this value had increased to \$1,076,482 a \$317,149 increase this quarter creating a non-cash credit to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$214,056 reducing the balance to \$1,020,329.

#### **Arrangement#4 (JMJ Financial, Inc.)**

On September 30, 2009, the Company received a total of \$150,000 of proceeds in connection with another agreement with JMJ Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of September 23, 2012 and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of September

23, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. In addition, the Company has received a commitment from JMJ Financial to enter into an identical financing not later than 60 days from September 23, 2009. At the commitment date of September 23, 2009 the embedded conversion feature of such security was \$480,000 and the debt discount was valued at \$580,000.

On September 30, 2009 the derivative liability had increased to \$487,272. On December 31, 2009, given the changes in the stock price this value had increased to \$844,221 a \$356,949 increase this quarter creating a non-cash charge to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$96,666 reducing the balance to \$483,334.

#### **Arrangement#5 (JMJ Financial, Inc.)**

On November 17, 2009, the Company received a total of \$186,000 of proceeds in connection with another agreement with JMJ Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of September 23, 2012 and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of September 23, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. At the commitment date the derivative value of the embedded conversion feature of such security was \$536,000 and the debt discount was valued at \$636,000.

On December 31, 2009, given the changes in the stock price this value had increased to \$844,221 a \$308221 increase this quarter creating a non-cash charge to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$17,667 reducing the balance to \$618,333.

#### **Arrangement#6 (JMJ Financial, Inc.)**

On December 22, 2009, the Company received a total of \$300,000 of proceeds in connection with another agreement with JMJ Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,500,000 plus a one time interest factor of 12% (\$180,000) and a maturity date of December 15, 2012 and (2) A Secured Note in the amount of \$1,400,000 plus a one time interest rate factor of 13.2% (\$180,000 each) and a maturity date of December 15, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. In addition, the Company has received a commitment from JMJ Financial to enter into similar financing arrangement which involves involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of December 15, 2012 and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of December 15, 2012, such financing to commence not later than February 15, 2009. At the commitment date the derivative value of the embedded conversion feature of such security was \$542,714 and the debt discount was valued at \$642,714.

On December 31, 2009, given the changes in the stock price this value had increased to \$1,055,276 a \$512,563 increase this quarter creating a non-cash charge to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$17,853 reducing



the balance to \$624,861.

## 5. GRANITA MEDIA

Effective July 1, 2007, the Company formed Granita Media, Inc. to separate its IPTV business and facilitate the raising of capital. Pursuant to an arrangement with 4 employees of mPhase, such employees were terminated from mPhase as of July 1, 2007 and became employees of Granita Media, Inc and invested solely in the common stock of Granita Media, Inc. Under the arrangement, each of the 4 employees was required to invest \$125,000 in exchange for an aggregate 2% equity interest in Granitia Media, Inc with mPhase continuing to own 98% of the Company. The 4 employees contributed a total of \$339,000 of the total \$500,000 equity investment required from them and raised from third party investors another \$175,000 for a total of \$514,000. Granita Media has 19,000,000 shares of common stock outstanding of which 18,000,000 was owned by mPhase Technology and 1,000,000 is being held for issuance to the 4 employees and the third party investors pending an agreement among such persons of the allocation of such shares.

Under the terms of the arrangement between mPhase and the 4 employees, such employees were authorized to sell up to 7.99% of additional equity in the Company for a total of not less than \$2,000,000 of additional capital by December 31, 2007. As noted above, the employees raised a total of \$175,000 of outside capital only and pursuant to the arrangement, such employees either resigned or were terminated by mPhase together with several lower level employees of Granita. A dispute has arisen between Granita Media and one of the former employees with respect to a sum of approximately \$176,000 included in short term loans. It is the Company's position that such sums were voluntarily advanced to fund operating expenses after July 1, 2007. Since the 4 employee / officers of Granita Media were required to cover operating expenses of Granita Media after July 1, 2007 through equity investments either directly or from third parties, the Company has taken the position that such amount nor any related interest and fees are not owed to the employee. In addition, the Company has substantial rights of offset for unpaid rent with respect to the portion of its Little Falls office occupied by Granita Media after July 1, 2007.

During the six month period ended December 31, 2009, Granita Media Inc did not conduct any operations and management is considering all alternatives.

## 6. COMMITMENTS AND CONTINGENCIES

The Company has a lease obligation for the rental of office space in Little Falls New Jersey until May 31, 2010. The annual obligation under such lease requires rent of \$26,940 for the year beginning June 1, 2009 and ending May 31, 2010.

mPhase has entered into various agreements with Georgia Tech Research ("GTRC") and its affiliate, Georgia Tech Applied Research Corporation, ("GTARC"), pursuant to which the Company received technical assistance in developing the commercialization of its Digital Video and Data Delivery System. Cost incurred by the Company for GTRC technical assistance with respect to its research and development activities has totaled \$13,539,952 from the period from inception through September 30, 2008, all of which was incurred prior to 2005.

### Legal Proceedings

From time to time the Company may be involved in legal proceedings in the ordinary course of business.

## 7. SUBSEQUENT EVENTS

As of February 11, 2010, Long term convertible debt and accrued interest thereon in the aggregate amount of \$211,025 has been converted into 14,269,857 shares of common stock on convertible agreements outstanding as of December 31, 2009.

Additionally the company entered into another agreement with MJM Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of December 15, 2012 and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of December 15, 2012 due from the same parties who are the holders of the Convertible Debentures. The Company has received \$400,000 from repayment of the note receivable for this arrangement subsequent to December 31, 2009 through February 11, 2010.

## **ITEM 2. MANAGEMENT'S DISCUSSION OF FINANCIAL CONDITIONS AND RESULTS OF OPERATIONS**

The following is management's discussion and analysis of certain significant factors, which have affected mPhase's financial position and should be read in conjunction with the accompanying financial statements, financial data, and the related notes.

### **CAUTIONARY STATEMENT PURSUANT TO SAFE HARBOR PROVISIONS OF THE PRIVATE LITIGATION REFORM ACT OF 1995:**

Some of the statements contained in or incorporated by reference in this Form 10-Q discuss the Company's plans and strategies for its business or state other forward-looking statements, as this term is defined in the Private Securities Litigation Reform Act of 1995. The words "anticipate," "believe," "estimate," "expect," "plan," "intend," "should," "seek," "will," and similar expressions are intended to identify these forward-looking statements, but are not the exclusive means of identifying them. These forward-looking statements include, among others, statements concerning the Company's expectations regarding its working capital requirements, gross margin, results of operations, business, growth prospects, competition and other statements of expectations, beliefs, future plans and strategies, anticipated events or trends, and similar expressions concerning matters that are not historical facts. Any forward-looking statements contained in this Quarterly Report on Form 10-Q are subject to risks and uncertainties that could cause actual results to differ materially from those results expressed in or implied by the statements contained herein.

## **RESULTS OF OPERATIONS**

### **OVERVIEW**

mPhase, a New Jersey corporation, founded in 1996 is a publicly-held company with over 19,000 shareholders and approximately 1.1 billion shares of common stock outstanding. The Company's common stock is traded on the Over the Counter Bulletin Board under the ticker symbol XDSL. We are headquartered in Norwalk, Connecticut with offices in Little Falls, NJ. mPhase shares common office space with Microphase Corporation, a privately held company. Microphase is a leader in the field of radio frequency and filtering technologies within the defense and telecommunications industry. It has been in operation for over 50 years and supports mPhase with both engineering and administrative and financial resources as needed.

mPhase is a development company specializing in microfluidics, microelectromechanical systems (MEMS) and nanotechnology. Through its wholly owned subsidiary AlwaysReady, Inc., mPhase is commercializing its first nanotechnology-enabled product for military and commercial applications - The Smart NanoBattery providing Power On Command . The new well-patented battery technology, based on the phenomenon of electrowetting, offers a unique way to store energy and manage power. Features of the Smart NanoBattery include: potentially infinite shelf life, environmentally friendly design, fast ramp to power, programmable control, and direct integration with microelectronic devices.

The platform technology behind the Smart NanoBattery is a porous nanostructured material used to repel and precisely control the flow of liquids. The material has a *Smart Surface* that can potentially be designed for self-cleaning applications, water purification/desalination, liquid filtration/separation, and environmental cleanup.

mPhase has been awarded a Phase II Small Business Technology Transfer Program (STTR) grant, part of the Small Business Innovation Research (SBIR) program, from the U.S. Army for continued development of a reserve Smart NanoBattery for a critical computer memory application.

mPhase is headquartered in Little Falls, New Jersey, with additional offices in Norwalk, Connecticut, and New York, New York.



Since our inception in 1996 we have been a development-stage company and operating activities have related primarily to research and development, establishing third-party manufacturing relationships and developing product brand recognition among telecommunications service providers.

## Description of Operations

### Microfluidics, MEMS, and Nanotechnology

In February of 2004, mPhase entered the business of developing new products based on materials whose properties and behavior are controlled at the micrometer and nanometer scales. (For reference, a micrometer or micron is equal to one millionth ( $10^{-6}$ ) of a meter and a nanometer is one billionth ( $10^{-9}$ ) of a meter the scale of atoms and molecules. A human hair is approximately 50 microns in diameter, or 50,000 nanometers thick.) The Company has expertise and capabilities in microfluidics, microelectromechanical systems (MEMS), and nanotechnology. Microfluidics refers to the behavior, precise control and manipulation of fluids that are geometrically constrained to a small, typically micrometer scale.

MEMS is the integration of mechanical elements, sensors, actuators, and electronics on a common silicon substrate through microfabrication technology. Nanotechnology is the creation of functional materials, devices and systems through control of matter (atoms and molecules) on the nanometer length scale (1-100 nanometers), and exploitation of novel phenomena and properties (physical, chemical, biological, mechanical, electrical) at that length scale. In its Smart NanoBattery, mPhase exploits the physical phenomenon of electrowetting by which a voltage is used to change the wetting properties of a liquid/solid interface at the nanometer scale. Consider water as the liquid. Through electrowetting, mPhase can change a surface from what is referred to as a hydrophobic ("water fearing") state to a hydrophilic ("water loving") state. In the hydrophobic state, the water beads up or is repelled by the surface. In the hydrophilic state, the water spreads out or is absorbed by the surface. The ability to electronically control the wetting characteristics of a surface at the nanometer scale forms the basis of mPhase's nanotechnology operations and intellectual property portfolio.

In the Smart NanoBattery application, mPhase uses electrowetting as a new technique to activate or literally "turn on" a battery once it is ready to be used for the first time. At the heart of the Smart NanoBattery is a porous, nanostructured superhydrophobic or superlyophobic membrane designed and fabricated by mPhase. The so-called superhydrophobic membrane applies to water and the superlyophobic membrane applies to nonaqueous or organic liquids such as ethanol or mineral oil. The difference between the two membrane types lies in the nanoscale architecture at the surface. By virtue of its superhydrophobic or superlyophobic character, the membrane, although porous, is able to physically separate the liquid electrolyte from the solid electrodes so that the battery remains dormant or inactive, thus providing no voltage, or current until called upon. This electrolyte-electrode separation gives the battery the feature of potentially unlimited shelf life and the benefit of being always ready when needed, which is not necessarily the case for conventional batteries. Electrowetting alters the liquid/membrane interface so that the liquid is now able to flow over the membrane's surface and rapidly move through the pores where it is able to contact the solid electrode materials located on the other side of the membrane.

mPhase uses MEMS to precisely control the machining of silicon-based materials at the micrometer and nanometer scales. This ability has led to the Company's proprietary membrane design that controls the wetting and movement of liquids on a solid surface. mPhase uses microfluidics to control the flow of liquid electrolyte through the porous membrane and is also the basis for other possible applications such as self-cleaning surfaces, filtration and separation and liquid delivery systems

## History of Nanotechnology Operations

### Smart NanoBattery

mPhase Technologies along with Bell Labs, jointly conducted research from February 2004 through April of 2007 that demonstrated control and manipulation of fluids on superhydrophobic and superlyophobic surfaces to create a new type of battery or energy storage device with power management features obtained by controlling the wetting behavior of a liquid electrolyte on a solid surface. The scientific research conducted set the ground work for continued development of the Smart NanoBattery and formed a path to commercialization of the technology for a broad range of market opportunities. During 2005 and 2006, the battery team tested modifications and enhancements to the internal design of the battery to optimize its power and energy density characteristics, as well as making engineering improvements that were essential in moving the battery from a zinc-based chemistry to a commercial lithium-based chemistry that can be manufactured on a large scale. The Company began its efforts by entering into a \$1.2 million 12 month Development Agreement with the Bell Labs division of Alcatel/Lucent for exploratory research of control and manipulation of fluids on superhydrophobic surfaces to create power cells ( batteries) by controlling wetting behavior of an electrolyte on nanostructured electrode surfaces. The goal was to develop a major breakthrough in battery technology creating batteries with longer shelf lives as the result of no direct electrode contact (meaning no power drain prior to activation). The Company extended its development effort twice for an additional 2 years ending in March of 2007 and for two additional periods thereafter through July 31, 2007. During this time, the technical focus shifted from trying to separate the liquid electrolyte from nanostructured electrodes to developing a nanostructured membrane that could physically separate the liquid electrolyte from the solid electrodes.

mPhase also began working with the Rutgers University Energy Storage Research Group (ESRG) in July of 2005 to conduct contract research in advanced battery chemistries involving lithium. This work involved characterizing and testing materials that could be used in the mPhase battery. In July of 2007, the relationship shifted to a collaboration focused on developing a memory backup battery needed by the U.S. Army. The work was funded through a Phase I Small Business Technology Transfer Program (STTR) grant.

Also in July of 2007, mPhase formed a new wholly-owned subsidiary, Always Ready, Inc., to focus on the development of its nanotechnology products. The Company has used this subsidiary as a division of the Company in order to develop increasing brand recognition of its battery product. The Company decided in September of 2007 to transfer its development work out of Bell Labs (Alcatel/Lucent) in order to broaden its nanotechnology product commercialization efforts. In terms of the battery, Bell Labs was no longer sufficient because they had no in-house means to handle lithium chemistry. mPhase/AlwaysReady continued to work with Rutgers ESRG which could work with lithium, but also engaged in work with other companies to supply essential components, fabricate prototypes, and plan manufacturing approaches. These companies included a well-respected silicon foundry and battery manufacturer.

In February of 2008, the Company announced that a prototype of its Smart NanoBattery was successfully deployed in a gun-fired test at the Aberdeen Proving Ground at Maryland. The test was conducted by the U.S. Army Armament Research and Development and Engineering Center (ARDEC) of Picatinny, New Jersey. The battery not only survived the harsh conditions of deployment at a gravitational force in excess of 45,000 g , but was also flawlessly activated in the process .

In March of 2008, mPhase announced that it had been invited to submit a proposal for a Phase II STTR grant, based upon the successful work it had performed on the Phase I grant to develop a version of the Smart NanoBattey referred to as the multi-cell, micro-array reserve battery for a critical U.S. Army memory backup application. The Phase II grant in the gross amount of \$750,000 (net \$500,000) was granted to the Company in the middle of September of 2008. In March of 2008, the Company also announced the successful transfer to a commercial foundry of certain processes critical to the manufacturing of its Smart NanoBattery. This will enable fabrication of the porous membranes for the multi-cell, micro-array reserve battery mentioned above. The Company successfully manufactured nanostructured membranes at the foundry that are essential to commercial production of the battery. By achieving a

series of delayed activations, the shelf-life and continuous run-time of such battery is increased to a period of time in excess of twenty years. In April of 2008, the Company announced that it had successfully activated its first Smart NanoBattery prototype by electrowetting using a hard-wired configuration and a remotely-activated device. Remote activation plays a key role in providing power to wireless sensors systems and RFID tags.



Also, in April of 2008, the Company announced that it had successfully produced its first lithium-based reserve battery with a soft or pouch package and breakable separator (in place of the electrowettable membrane) that relies on mechanical rather than electrical activation to provide Power On Command . The Company believes that it is a significant milestone in moving from a low energy density zinc-based battery to a higher energy density lithium-based battery towards proving that the Smart NanoBattery will eventually be economically and commercially viable.

### **Magnetometer**

In March of 2005, the Company entered into a second Development Agreement for 12 months at a cost of \$1.2 million with the Bell Labs to develop MEMS-based ultrasensitive magnetic sensor devices, also known as magnetometers, that could be used in military and commercial electronics (*e.g.*, cell phones) for determining location, as well as in portable security and metal detection applications. The agreement was renewed in April of 2006 for another 12 months. Although proven to work in the lab, the magnetometer technology could not be scaled up as quickly and as cost effectively as the battery. The project was shelved in September 2007 so that all technical resources could be allocated to the battery project.

### **IPTV**

Historically, the Company since its inception has focused upon developing innovative solutions for the delivery of Broadcast Television as part of a "triple play" of services that includes voice and high-speed internet for telephone service providers globally. Beginning in fiscal year 2004, the Company began developing Broadcast television delivery solutions through software/middleware designed to enable telephone service providers to deliver video data using internet protocol. The Company's middleware/software is highly scalable, potentially saving telephone service providers significant hardware deployment costs for routers and servers required for the carrier class delivery of broadcast television using internet protocol. Such solution potentially expands the content of available information from the internet into broadcast quality television. The Company's middleware is capable of delivering over copper, fiber, coax or any infrastructure representing a combination of the foregoing that is used by a telecommunications service provider. The Company has not to date been able to derive any significant revenue from our TV+ solution. No active development of the product has occurred since fiscal year 2007.

Because the roll-out of broadcast television using internet protocol has been a lengthy process for major service providers in the United States, the Company has temporarily suspended development of new features for its TV+ solution in order to conserve financial resources pending further development in the U.S. market. All inventory has been written off and all strategic alternatives relative to this business segment including the valuation and sale of assets or licensing of the technology are being evaluated.

## FINANCIAL OVERVIEW

**Revenues.** Since July 1, 2007 and inclusive of the most current quarter, revenue has primarily been attributable to grants from the United States Army and testing arrangements involving its nanotechnology products.

**Cost of revenues** Cost associated with revenues from Army Grants and fees for testing our nanotechnology products is currently very low. It is anticipated that the Company's cost of revenues will increase significantly as the Company moves forward with the commercialization and distribution of its emergency flashlight product and other potential products associated with its mechanically-activated reserve battery.

**Research and development.** Research and development expenses have consisted principally of direct labor and payments made to Eagle Picher, Porsche Design Studio and Microphase, as well as other third party vendors involved in the development of the solution and nanotechnology products. All research and development costs are expensed as incurred.

**General and administrative.** General and administrative expenses consist primarily of salaries and related expenses for personnel engaged in its nanotechnology product line, legal and accounting personnel. Certain administrative activities are outsourced on a monthly fee basis to Microphase Corporation and mPhase leases its office in Norwalk, Connecticut from Microphase Corporation.

**Non-Cash compensation charges.** The Company makes extensive use of stock, stock options and warrants as a form of compensation to employees, directors and outside consultants. We incurred non-cash compensation charges totaling \$70,260,481 from inception (October 2, 1996) through December 31, 2009.

**Other Income (Expense).** Included in Other Expense are non-recurring items related to the change in the value of derivative securities and amortization as related debt discount. Such amounts will fluctuate significantly and should not be considered as recurring or in any way indicative of operating results. In addition, it has been the Company's policy to record as an expense the cost of re-pricing securities (Reparation Cost) to raise capital.

### Cumulative losses, net worth and capital needs

The Company has incurred cumulative development stage losses of \$191,695,098 and negative cash flow from operations of (\$83,957,523) from inception through December 31, 2009. The auditors report for the fiscal year ended June 30, 2009 includes the statement that "there is substantial doubt of the Company's ability to continue as a going concern". As of December 31, 2009, the Company had a negative net worth of (\$6,322,666) compared to a negative net worth of (\$5,234,167) as of June 30, 2009 as a result of continuing net losses. The Company has Convertible Debentures funded with JMJ Financial, Inc that should enable the Company to raise significant working capital for the next fiscal year. Draws under this facility in the current fiscal quarter ended December 31, 2009 amounted to \$868,000 (accounted for as a pay-down of notes receivable). The Company expects to be able to receive approximately \$300,000 per month through August of 2012 under its current Convertible Debentures with JMJ Financial, Inc. While the Company believes these facilities will fund short term capital needs it may from time to time need to supplement such funding. In the longer term, we estimate that the Company will need to raise approximately \$5-15 million of additional capital above the funds through June 30, 2011 in order to fund commercialization of its products. The Company does not expect to derive any material revenue from its Nanotechnology product development until the third quarter of fiscal year 2011.

**THREE MONTHS ENDED December 31, 2009 VS. December 31, 2008**

**REVENUE**

Total revenues were \$34,537 for the three months ended December 31, 2009 compared to \$44,857 for the three months ended December 31, 2008. Revenue derived in the current quarter was related to billings under a Phase II U.S. Army Grant of \$750,000 (net to the Company of \$500,000) that began September 2008.

**RESEARCH AND DEVELOPMENT**

Research and development expenses were \$579,247 for the three months ended December 31, 2009 as compared to \$215,620 during the comparable period in 2008 or an increase of \$363,627. This increase in spending is a result of acceleration of work to bring its emergency flashlight using its mechanically activated reserve battery to market . In connection with such efforts the Company incurred increased research and development expenses with major vendors including Eagle Pitcher totaling \$50,000, Porsche Design Studio \$67,120, MKE \$36,108 and Microphase Corporation \$75,000, respectively, for the quarter ended December 31, 2009.

Subject to available funds, the Company expects to increase its research and development efforts throughout fiscal year 2010. Such research is expected to also include products such as the Phase II Army Reserve Battery that is being developed using the science of nanotechnology. The initial applications for the nano power cell technology will address the need to supply emergency and reserved power to a wide range of electronic devices for both commercial and defense applications.

**GENERAL AND ADMINISTRATIVE EXPENSES**

General and administrative (G&A) expenses were \$489,232 for the three months ending December 31, 2009 down from \$499,725 or a decrease of \$10,493 from the comparable period in 2008. The decrease in G&A expense is primarily the result of the Company engaged in significant salary reductions for its employees in late September of 2008 that has continued and the Company has reduced the size of its staff to 8 full time employees.

**OTHER (EXPENSE) AND INCOME**

Included in the current quarter are non-cash charges and costs associated with convertible debt that include a non-cash charge for the change in derivative value of an increase \$1,912,194 in the derivative liability, increased by amortization of debt discount costs of \$469,069, resulting in a net loss of \$2,381,263 from derivative liabilities associated with the Company's convertible debt and is not indicative of operating results.

**NET INCOME AND (LOSS)**

The Company recorded a net loss of \$3,500,137 for the three months ended December 30, 2009 as compared to a loss of \$2,589,351 for the three months ended December 31, 2008. This represents a net loss per common share of \$.00 (based upon weight average shares of 1,161,402,532) and loss per share of \$.01 (based upon weight average shares of 486,056,567) for the three month periods ended December 31, 2009 and 2008 respectively. The increase in net loss is attributable to the significant increase in research and development expenses and non-cash charges from derivative liabilities associated with the Company's convertible debt recorded for the three months ended December 31, 2009.

**SIX MONTHS ENDED December 31, 2009 VS December 31, 2008**

**REVENUE**

Total revenues were \$86,375 for the six months ended December 31, 2009, compared to \$51,123 for the six months ended December 31, 2008. Revenue for the most recent quarter is exclusively associated with a Phase II Grant from the U.S. Army for developing a standby or backup battery for electronics based upon the technology of its nanotechnology battery.

**RESEARCH AND DEVELOPMENT**

Research and development expenses were \$1,093,573 for the six months ended December 31, 2009, as compared to \$603,296 during the comparable period in 2008, or an increase of \$490,277. During the most recent period the Company had incurred most of its research and development expenses with strategic vendors such as Porsche Design Studio, EMK and Eagle Picher in connection with the development of an emergency flashlight using the Company's mechanically-activated battery product for both commercial and military applications. The overall increase in expense from the prior period is primarily a result of increased research and development efforts regarding its battery technology.

**GENERAL AND ADMINISTRATIVE EXPENSES**

General and Administrative expenses were \$910,056 for the six months ended December 31, 2009, decreasing from \$6,738,985, or a \$5,828,929 decrease from the comparable period in 2008. The decrease is primarily due to significant non-cash charges relating to the issuance of common stock and options to employees and consultants, which amounted to \$5,511,950 during the six month period ended on December 31, 2008. This decrease is augmented by an additional \$316,979 reduction of other General and Administrative expenses primarily due to the fact that the Company engaged in significant salary reductions for its employees in late September of 2008 that has continued and the Company has reduced the size of its staff to 8 full time employees.

**OTHER INCOME (EXPENSE)**

Other Income and (Expense) was \$(1,967,256) for the six months ended December 31, 2009, compared to income of \$(2,023,066) for the comparable period ended December 31, 2008. This change is primarily due to reduction in the charges for the change in market value of Derivative Securities, net of amortization, totaling \$510,798 and increase in interest expense (including beneficial conversion interest charges) totaling 622,114 offset by a reduction of reparation expenses of \$167,126.

**NET LOSS**

The Company recorded a net loss of (\$3,897,081) for the six months ended December 31, 2009, as compared to a loss of (\$9,340,349) for the six months ended December 31, 2008. This represents a loss per common share of (\$.00) for the six month period ended December 31, 2009, as compared to a loss per common share of (\$0.02) for the six months ending December 31, 2008, based upon weighted average common shares outstanding of 979,929,496 and 519,217,774, respectively. Overall, the increased loss is a result of non cash charges related to the issuance of common stock and the increase in cost associated with convertible debt securities. This is offset in part by the suspension of development of the IPTV business segment and a significant reduction in personnel expense.

## **CRITICAL ACCOUNTING POLICIES**

### **REVENUE RECOGNITION**

As required, mPhase has adopted ASC 605-10-525 "Revenue Recognition in Financial Statements", which provides guidelines on applying generally accepted accounting principals to revenue recognition based upon the interpretations and practices of the SEC.

### **RESEARCH AND DEVELOPMENT**

Research and development costs are charged to operations as incurred in accordance with ASC 730 "Research and Development."

### **DERIVATIVE LIABILITY**

The Company has estimated the value of the derivative liability associated with its convertible debt. Such estimate is based on a Black Scholes calculation at the time the debt was issued. At each reporting period, the value of this liability is marked to market and adjusted accordingly. Such adjustments are included in Other Income (Expense)

### **STOCK-BASED COMPENSATION**

On July 1, 2005, the Company adopted the provisions of ASC 718 "Compensation - Stock Companesation" which requires companies to measure and recognize compensation expense for all employee stock-based payments at fair value over the service period underlying the arrangement. Therefore, the Company is now required to record the grant-date fair value of its stock-based payments (i.e., stock options and other equity-based compensation) in the statement of operations. The Company adopted the "modified prospective" method, whereby fair value of all previously-granted employee stock-based arrangements that remained unvested at July 1, 2005 and all grants made on or after July 1, 2005 have been included in the Company's determination of stock-based compensation expense ..

## **MATERIAL RELATED PARTY TRANSACTIONS**

### **MICROPHASE CORPORATION**

mPhase's President, Chief Operating Officer and Chairman of the Board of the Company are also officers of Microphase and mPhase's President and Chairman of the Board is a shareholder of Microphase. On May 1, 1997, the Company entered into an agreement with Microphase, whereby it will use office space as well as the administrative services of Microphase, including the use of accounting personnel. This agreement was for \$5,000 per month and was on a month-to-month basis. In July 1998, the office space agreement was revised to \$10,000, in January 2000 to \$11,050 per month, in July 2001 to \$11,340 per month, in July 2002 to \$12,200 per month, in January 2003 to \$10,000 per month, and in July 2003 to \$18,000 per month. Additionally, in July 1998, mPhase entered into an agreement with Microphase, whereby mPhase reimburses Microphase \$40,000 per month for technical research and development. In January 2003 the technical research and development agreement was revised to \$20,000 per month, and in July 2003 it was further revised to \$5,000 per month for technical and research development, \$5,000 per month for administrative services and \$5,000 per month under the office space agreement. Beginning July 1, 2006, billings for all of the above services were \$5,000 per month and were changed to \$3,000 in July 2008. In addition, Microphase also charges fees for specific projects on a project-by-project basis. During the six months ended December 31, 2008 and 2009 and from inception (October 2, 1996) through December 31, 2009, \$28,985, 197,234, and 9,520,325 respectively, have been charged to expense.

As a result of the foregoing transactions as of December 31, 2009 the Company had a payable to Microphase of \$112,987.



## JANIFAST LTD.

The Company has historically purchased products and incurs certain research and development expenses with Janifast Ltd., which is owned by U.S. Janifast Holdings, Ltd., a company in which two directors of mPhase are significant shareholders and one is an officer, in connection with the manufacturing of POTS Splitter shelves and component products including cards and filters sold by the Company that were discontinued in 2007. In March of 2009, Janifast Ltd. ceased operations owing to adverse financial conditions globally. During the six months ended December 31, 2008 and 2009 and the period from inception (October 2, 1996), \$0, \$0 and \$16,031,811 respectively, have been charged by Janifast to inventory or is included in operating expenses in the accompanying statements of operations.

## Transactions with Officers

At various points during past fiscal years Messrs, Durando, Dotoli and Smiley provided bridge loans to the Company, evidenced by individual promissory notes and deferred compensation so as to provide working capital to the Company. All of the notes are payable on demand. During the 6 months ended December 31, 2009 interest accrued at 12% on such notes was \$74,194 and \$230,000 of such notes were repaid. This compared to interest accrued at 12% on such notes of \$8,582 and a net increase in the principal amount of such notes to \$115,087 during the six months ended December 31, 2008.

Total compensation (including the value of stock awards) to related parties and payables to officers is summarized below :

**Summary of compensation to related parties for the Six Months Ended December 31, 2009**

	Durando	Dotoli	Smiley	Biderman	Microphase	Total
Consulting / Salary	\$ 100,000	\$ 90,000	\$ 87,500			\$ 277,500
Interest	\$ 34,795	\$ 24,797	\$ 14,603			\$ 74,194
Rent					\$ 18,000	\$ 18,000
G&A					\$ 1,846	\$ 1,846
R&D					\$ 125,000	\$ 125,000
Finders Fees				\$ 20,000		\$ 20,000
Stock based compensation (shares issued)*						\$ 0
Stock based compensation (options issued)*						\$ 0
<b>Total compensation</b>	<b>\$ 134,795</b>	<b>\$ 114,797</b>	<b>\$ 102,103</b>	<b>\$ 20,000</b>	<b>\$ 144,846</b>	<b>\$ 516,540</b>

**Summary of Compensation to related parties for the Six Months Ended December 31, 2008**

	Durando	Dotoli	Smiley	Biderman	Microphase	Total
Consulting / Salary	\$ 165,217	\$ 128,500	93,750		\$	387,467
Interest		\$	8,582		\$	8,582
Rent				\$	18,000	\$ 18,000
G&A				\$	10,961	\$ 10,961
Finders Fees				\$ 20,000	\$	20,000
Stock based compensation (shares issued)*	\$ 1,215,000	\$ 720,000	450,000	\$ 180,000	\$	2,565,000
Stock based compensation (options issued)*	\$ 1,350,000	\$ 810,000	486,000	\$ 54,000	\$	2,700,000

<b>Total compensation</b>	<b>\$ 2,730,217</b>	<b>\$ 1,658,500</b>	<b>1,038,332</b>	<b>\$ 254,000</b>	<b>28,961</b>	<b>5,710,011</b>
		\$		\$	\$	

Common stock issued*	27,000,000	16,000,000	10,000,000	4,000,000		57,000,000
Options issued (5years @5 cents)	50,000,000	30,000,000	18,000,000	2,000,000		100,000,000

\*Shares issued to officers are pursuant to agreements dated August 8, 2008 between the Company and the Messrs Durando, Dotoli and Smiley. The agreements state that the stock granted may not be sold until the earlier of two (2) years **or** when the stock price for 60 consecutive days closes at a price of \$.25 per share or greater and the average trading volume during such 60 day period is not less than 1,000,000 shares per day.

#### OTHER RELATED PARTIES

Mr. Abraham Biderman was employed until September 30, 2003 by our former investment-banking firm Lipper & Company. On December 31, 2009, Mr. Biderman's affiliated firm of Palladium Capital Advisors was owed unpaid finders fees in the amount of \$150,000. During the six months ended December 31, 2009 and December 31, 2008 finders fees in the amount of \$20,000 and \$20,000, respectively, were recorded.



## **LIQUIDITY AND CAPITAL RESOURCES**

The Company has incurred cumulative development stage losses of (\$191,695,098) and negative cash flow from operations of (\$1,921,818). The auditors report for the fiscal year ended June 30, 2009 includes the statement that "there is substantial doubt of the Company's ability to continue as a going concern". As of December 31, 2009, the Company had a negative net worth of (\$6,322,666) compared to a negative net worth of (\$5,234,167) as of June 30, 2009 as a result of continuing net losses. The Company has convertible debt outstanding that is subject to additional funding which potentially allows the Company access to additional funding of approximately \$6.6 million. Such facilities should enable the Company to raise significant working capital for the next fiscal year. Draws under these arrangements for the six months December 31, 2009 amounted to \$2,182,000. While the Company believes these facilities will fund short term capital needs it may from time to time need to supplement such funding. In the longer term, we estimate that the Company may need to raise approximately \$5 million of additional capital above the funds anticipated from the note receivable. Such monies would be necessary primarily to roll-out its Emergency Flashlight produce and fund future expenditures for commercialization of its SmartBattery products. The Company does not expect to derive any material revenue from its Nanotechnology product development until the first quarter of fiscal year 2010.

## **MANAGEMENT'S PLANS**

The Company has shifted its focus to the development of products using the science of Nanotechnology. The Company does not expect to derive any material revenue from its Emergency Flashlight product until the first quarter of fiscal year 2010.

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

The Company is not exposed to changes in interest rates as the Company has no debt arrangements and no investments in certain held-to-maturity securities. Under our current policies, we do not use interest rate derivative instruments to manage exposure to interest rate changes. A hypothetical 100 basis point adverse move in interest rates along the entire interest rate yield curve would not materially affect the fair value of any financial instruments at December 31, 2009.

### **ITEM 4. CONTROLS AND PROCEDURES**

Under the supervision and with the participation of management including the Chief Executive Officer and Chief Financial Officer, we have evaluated the effectiveness of the design and operation of our disclosure controls and procedures pursuant to Exchange Act Rule 13a-14c and of the end of the period covered by this report. Based on that evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that these disclosure controls and procedures are effective.

The Company has made changes in our internal control over financial reporting during the quarter ended December 31, 2009 that have materially affected, or are reasonably likely to materially affect, our internal controls over financial reporting. The Company has implemented changes in internal controls that improve potential weaknesses as stated in our annual report (10K). During the quarter ended December 31, 2009 the Company identified areas it considered required strengthening its internal control and what steps would be implemented to satisfy the needed area of improvement. Specifically the Company needed to increase its internal capability to compute and accurately monitor the value of its derivative liabilities and associated accounting for convertible debentures and the Company needed to increase its ability to monitor outstanding stock options and stock warrants. The Company hired on a contract basis an interim controller to compute and assist the Company in its accounting for convertible debentures and associated derivative liabilities, debt discount and changes in derivative values. The Company also required its transfer agent to update its records quarterly regarding expiring options and warrants. These steps were implemented during the quarter and utilized in the preparing of the current filing.

#### **Changes in Internal Control over Financial Reporting**

The Company is in the process of improving the internal control condition described above. However, mPhase Technologies, Inc. is a small company with a total staff of approximately 11 employees and consultants. This size limits and may continue to limit, the Company's ability to provide for adequate backup of financial personnel.

Accordingly, efforts individually and in the aggregate may be insufficient to fully eliminate the condition that could adversely affect the organization's ability to record, summarize and report financial data consistent with the assertions of management in the financial statements. There were no changes in our internal control over financial reporting during the quarter year ended December 31, 2009 that have materially affected, or are reasonably likely to materially affect, our internal controls over financial reporting.

## **PART II OTHER INFORMATION**

### **ITEM 1. LEGAL PROCEEDINGS**

From time to time the Company may be involved in legal actions in the ordinary course of business.

normal course of business.

### **ITEM 2. CHANGES IN SECURITIES**

#### **Private Placements**

During the Six Months ended December 31, 2009, the Company issued 2,666,667 shares of its common stock at \$.0075 per share in private placements generating gross proceeds of \$200,000 with placement costs of \$20,000, netting \$180,000.

#### **Stock Based Compensation**

During the six months ended December 31, 2009, the Company issued 2,000,000 shares of common stock to employees and consultants valued at \$43,050.

#### **Conversion of debt securities and Strategic vendor payables**

During the six months ended December 31, 2009, \$1,680,725 of convertible debt and accrued interest thereon was converted into 108,506,180 shares of Common stock.

During the six months ended December 31, 2009, \$200,000 of accounts payable to Microphase Corporation was converted into 26,666,667 shares of Common stock. The Company recorded \$586,667 interest expense on the beneficial conversion feature. The Company recorded \$82,609 interest expense on the beneficial conversion feature of officer's notes during the six months ended December 31, 2009.

#### **Long Term Convertible Debentures / Note Receivable / Debt Discount**

The Company currently had six separate convertible debt arrangements with independent investors outstanding at December 31, 2009. During the six months ended December 31, 2009, \$1,680,725 of convertible debt and accrued interest thereon was converted into 108,506,180 shares of Common stock.

These transactions are intended to provide liquidity and capital to the Company and are summarized below.

#### **Arrangement #1 (LaJolla Cove Investors Inc.)**

On Sept 11, 2008, the Company received proceeds of \$200,000 under a Securities Purchase Agreement from La Jolla Cove Investors, Inc. This transaction involves three related agreements: 1) A Securities Purchase Agreement which may under certain circumstances permit the Company to draw up to \$2,000,000 of funds; 2) A Convertible Debenture totaling \$2,000,000, with a interest rate of 7 1/4% and a maturity date of September 30, 2011 and 3) A Secured Note Receivable in the amount of \$1,800,000, with a interest rate of 8 1/4% and maturity dates of September 30,2011 due from the same parties who are the holders of the Convertible Debentures. Conversion of outstanding debentures into common shares is at the option of the holder at a price equal to the dollar amount of the debenture divided by the lesser of \$.35 per share or 80% of the three lowest Volume Weighted Average Prices during a 20 day trading period.

At the time of the transaction (September 11, 2008) the derivative value of this security was calculated to be \$1,176,471. As of September 30, 2009 this value had decreased to \$519,044.

On December 31, 2009, given the changes in the stock price, this value had increased to \$1,076,482, a \$557,438 increase this quarter creating a non-cash credit to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$143,292 reducing the balance to \$431,144.

#### **Arrangement #2 JMJ Financial**

On December 31, 2008, the Company entered into a second agreement with JMJ Financial. This transaction involves; 1) A Convertible Debenture in the amount of \$1.1 million, with a one time interest factor of 12% and a maturity date of December 31, 2011 and 2) A Secured Note Receivable in the amount of \$1.0 million, with a one time interest factor of 13.2 % and maturity date of December 31, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding debentures into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the Lowest Trading Price during the 20 day trading period prior to conversion. For the six months ended December 31, 2009 the Company received \$900,000 of cash draws under the Debenture and the holder had converted into 64,522,845 common stock principal and accrued interest thereon in the amount of \$1,020,975.

On June 30, 2009 the derivative value of this security was calculated to be \$444,552. On September 30, 2009, that amount was 195,721 and on December 31, 2009 that value was decreased to \$55,595 given the changes in the stock price combined with the fact that the principle interest due under the debenture had material conversions in satisfaction of the debt liability, reducing the outstanding debt to \$79,025 at December 31, 2009. The decrease in the derivative liability for the three months ended December 31, 2009 was \$140,129. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$453,226 reducing the balance to \$35,663.

#### **Arrangement#3 (JMJ Financial, Inc.)**

On August 19, 2009, the Company received proceeds of \$250,000 in connection with a third agreement with JMJ Financial. This transaction involves 1) a Convertible Debenture in the amount of \$1,870,000, plus a one time interest factor of 12% (\$224,400) and a maturity date of August 10, 2012 and 2) A Secured Note Receivable in the amount of \$1,700,000 plus a one time interest factor of 13.2% (\$224,400) and a maturity date of August 10, 2012 due from the same parties who are the holders of the Convertible Debenture.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. At the commitment date the derivative liability for the embedded conversion feature of such security was \$1,054,395 and the debt discount was valued at \$1,224,395.

On September 30, 2009 the derivative liability had decreased to \$759,333. On December 31, 2009, given the changes in the stock price this value had increased to \$1,076,482 a \$317,149 increase this quarter creating a non-cash credit to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$214,056 reducing the balance to \$1,020,329.

**Arrangement#4 (JMJ Financial, Inc.)**

On September 30, 2009, the Company received a total of \$150,000 of proceeds in connection with another agreement with JMJ Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of September 23, 2012 and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of September 23, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. In addition, the Company has received a commitment from JMJ Financial to enter into an identical financing not later than 60 days from September 23, 2009. At the commitment date of September 23, 2009 the embedded conversion feature of such security was \$480,000 and the debt discount was valued at \$580,000.

On September 30, 2009 the derivative liability had increased to \$487,272. On December 31, 2009, given the changes in the stock price this value had increased to \$844,221 a \$356,949 increase this quarter creating a non-cash charge to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$96,666 reducing the balance to \$483,334.

**Arrangement#5 (JMJ Financial, Inc.)**

On November 17, 2009, the Company received a total of \$186,000 of proceeds in connection with another agreement with JMJ Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of September 23, 2012 and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of September 23, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. At the commitment date the derivative value of the embedded conversion feature of such security was \$536,000 and the debt discount was valued at \$636,000.

On December 31, 2009, given the changes in the stock price this value had increased to \$844,221 a \$308,221 increase this quarter creating a non-cash charge to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$17,667 reducing the balance to \$618,333.

**Arrangement#6 (JMJ Financial, Inc.)**

On December 22, 2009, the Company received a total of \$300,000 of proceeds in connection with another agreement with JMJ Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,500,000 plus a one time interest factor of 12% (\$180,000) and a maturity date of December 15, 2012 and (2) A Secured Note in the amount of \$1,400,000 plus a one time interest rate factor of 13.2% (\$180,000 each) and a maturity date of December 15, 2012 due from the same parties who are the holders of the Convertible Debentures.

Conversion of outstanding into common shares is at the option of the holder. The number of shares into which this debenture can be converted is equal to the dollar amount of the debenture divided by 75% of the lowest trade price during the 20 day trading period prior to conversion. In addition, the Company has received a commitment from JMJ Financial to enter into similar financing arrangement which involves involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of December 15, 2012

and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of December 15, 2012, such financing to commence not later than February 15, 2009. At the commitment date the derivative value of the embedded conversion feature of such security was \$542,714 and the debt discount was valued at \$642,714.

On December 31, 2009, given the changes in the stock price this value had increased to \$1,055,276 a \$512,563 increase this quarter creating a non-cash charge to earnings for the quarter ended December 31, 2009 of that amount. During the six month period ended December 31, 2009, amortization of debt discount amounted to \$17,853 reducing the balance to \$624,861.

Subsequent to December 31, 2009, through February 11, 2010, Long term convertible debt and accrued interest thereon in the aggregate amount of \$211,025 has been converted into 14,269,857 shares of common stock on convertible agreements outstanding as of December 31, 2009. Additionally the company entered into another agreement with MJM Financial. This transaction involves 1) A Convertible Debenture in the amount of \$1,200,000 plus a one time interest factor of 12% (\$144,000) and a maturity date of December 15, 2012 and (2) A Secured Note in the amount of \$1,100,000 plus a one time interest rate factor of 13.2% (\$144,000 each) and a maturity date of December 15, 2012 due from the same parties who are the holders of the Convertible Debentures. The Company has received \$400,000 from repayment of the note receivable for this arrangement subsequent to December 31, 2009 through February 11, 2010.

### **ITEM 3. DEFAULTS UPON SENIOR SECURITIES**

None.

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

None.

### **ITEM 5. OTHER INFORMATION**

None.

### **ITEM 6. EXHIBITS AND REPORTS ON FORM 8-K**

In a Form 8K filed on December 23, 2009 the Company announced that it received \$300,000 of additional funding from MJM Financial under the terms of a Convertible Note.

In a Form 8K filed on December 30, 2009 the Company announced that its consumer division mPower Technologies Inc. is unveiling its mPower Emergency Illuminator product at the consumer electronics show in Las Vegas, Nevada.



**EXHIBITS.DESCRPTION.**

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

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

32.1            Certification of Chief Executive Officer pursuant to Section 906 of the Sarbanes - Oxley Act of 2002.

32.2            Certification of Chief Financial Officer pursuant to Section 906 of the Sarbanes - Oxley Act of 2002.

**SIGNATURES**

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

mPHASE TECHNOLOGIES, INC.

Dated: February 12, 2010

By: /s/ Martin S. Smiley  
Martin S. Smiley  
Executive Vice President  
Chief Financial Officer and General Counsel