



NXT ENERGY SOLUTIONS INC.

**Q2-2013
Report to Shareholders**

**As at and for the
three and six month periods
ended June 30, 2013**

Management's Discussion and Analysis

The following management's discussion and analysis ("MD&A") was prepared by management based on information available as at August 22, 2013 and should be reviewed in conjunction with the audited Consolidated Financial Statements for the year ended December 31, 2012. This MD&A is for the unaudited 3 month ("Q2-13") and 9 month year-to-date ("2013 YTD") periods ended June 30, 2013, with comparative 2012 totals for the 3 month ("Q2-12") and 9 month year-to-date ("2012 YTD") periods ended June 30, 2012.

As used in this MD&A, the terms "we", "us", "our", "NXT" and the "Company" mean NXT Energy Solutions Inc.

Our functional and reporting currency is the Canadian dollar. All references to "dollars" in this MD&A refer to Canadian or Cdn. dollars ("Cdn \$") unless specific reference is made to United States or US dollars ("US\$").

Forward-looking statements

Forward-looking statements used in this MD&A relate primarily to:

- estimates of the amount and expected timing of revenue and costs related to new SFD® survey contracts that are planned to be obtained, conducted and completed in future periods.
- potential future growth opportunities in new international markets.
- potential financing related activities, including the potential future exercise of outstanding common share purchase warrants that were issued in March and May 2012, and their related potential effect on liquidity and capital resources.
- the potential future conversion of the outstanding preferred shares, which mature on December 31, 2015.
- the Company's ability to continue as a going concern.
- limitations in disclosure controls, procedures, and internal controls over financial reporting.

The material factors and assumptions which affect this forward-looking information include assumptions that NXT will have the personnel, equipment and required local permits to conduct survey contracts as intended.

These forward-looking statements are based on current expectations and are subject to known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Except as required by law, NXT assumes no obligation to update forward-looking statements should circumstances or the Company's estimates or opinions change.

Non GAAP measures

NXT's accompanying interim consolidated financial statements are prepared in accordance with accounting principles generally accepted in the United States of America ("US GAAP"). This MD&A includes references to terms such as net working capital, which does not have a standardized meaning prescribed by US GAAP and may not be comparable to similar measures presented by other entities.

Management of NXT uses this non-GAAP measure to improve its ability to assess liquidity at a point in time. Net working capital is defined as total current assets less total current liabilities, excluding amounts accumulated in work in progress, deferred revenue and derivative instruments. Management excludes these amounts from the calculation as they do not represent future cash inflows or outflows to the Company.

Description of the Business

NXT is a Calgary based publicly traded company that provides a unique aerial survey service to the oil and natural gas exploration industry. NXT's proprietary Stress Field Detection ("SFD®") survey technology is based on detecting subtle changes in earth's gravitational field from an airborne platform. SFD® data gathered is analyzed and can be used to find variations in sub-surface geological stress patterns - indicators of potential reservoir and trap formations. NXT's aerial SFD® surveys provide an effective and cost efficient method for clients to focus their decisions related to land commitments and the acquisition of traditional seismic data that is used to locate and delineate exploration prospects. Our goal is to aid our clients in reducing their overall time, cost, environmental impact, and risk in their exploration programs. Relative to traditional land based methods, the SFD® survey method is environmentally non-invasive and is unaffected by ground security issues or difficult terrain. Additionally, SFD® surveys can generally be conducted year round and are effective both onshore and offshore. SFD® and NXT in Canada and the United States are the registered trademarks of NXT Energy Solutions Inc.

NXT's technology is attractive for use as an early stage exploration tool in frontier and under-developed areas, and as such, we have been seeking to expand our presence in growing new international exploration markets such as South and Central America and Africa.

Overall Performance - Business Overview

In 2012 NXT achieved significant positive developments in growth of the business, with highlights including:

- expansion of awareness and use of SFD®, with surveys conducted in 6 countries (including Colombia), five of which were new markets for NXT – Argentina, Guatemala, Mexico, Belize, and Pakistan.
- completion of our largest SFD® survey project to date, a US \$5.8 million project delivered to PEMEX, the national oil company ("NOC") of Mexico, and the fourth largest global production company.
- record revenues of \$11 million, and profit of \$2 million.

NXT intends to continue to capitalize on this momentum, as customer success in using SFD® as part of their exploration programs is growing, and starting to yield repeat business.

In the Q1-13 period, NXT completed a US \$2.7 million (contract value prior to 15% in-country withholding taxes) survey project in Pakistan for a major NOC. This contract was originally awarded in late 2010, and took an extensive period of time to obtain all necessary government approvals and flight permits. Data acquisition for the project commenced in December, 2012 and was efficiently completed by mid January 2013, with the SFD® survey recommendations report delivered to our client in March 2013. No survey operations were conducted in the Q2-13 period.

Near-term Outlook for 2013 and beyond

NXT plans to continue to increase SFD® brand awareness, become more active in publishing technical papers, and increase recognition of SFD® at international trade shows and seminars. Our focus will be on the national oil companies ("NOCs"), small to mid-cap exploration and production ("E&P") companies, and when opportunities arise, the major E&P companies. A lucrative potential longer term new market is

the seismic companies that acquire and sell large scale "Multi-Client" survey programs (primarily off-shore). Geographically, NXT will continue to pursue prospects throughout South and Central America - primarily in Mexico, Colombia, Brazil, Peru, Ecuador, and Bolivia. Longer term prospects will also be pursued in the frontier areas of Africa, Asia, and in the Arctic and off-shore Atlantic regions (particularly where Canadian and American E&P companies are operating).

As NXT pursues these markets, our strategy is to utilize high quality local sales representatives with the key knowledge of their area, the potential clients and the exploration sector of the oil and gas industry. This allows us to cover much larger areas and more clients with minimum fixed cost. NXT currently has in place sales representatives to pursue SFD® survey opportunities in Mexico, Bolivia, Colombia, Brazil, India, Kuwait, Costa Rica, Panama, China as well as the Israel / Cyprus / Greece Mediterranean region. All independent international sales representatives are required to adhere to NXT's code of conduct and business ethics.

Near term contract and revenue opportunities for the balance of 2013 and 2014 include prospective clients in South Asia, Brazil, Latin America, and most importantly, follow-on surveys for PEMEX in Mexico. Throughout Q1-13, PEMEX commenced an in-depth "integration study" analysis of our 2012 SFD® survey results with their extensive, existing geophysical, production and reserves data. PEMEX also agreed to jointly author with NXT a technical paper (the "Paper") which highlights the results of the 2012 SFD® survey, and the positive extent of correlations which the SFD® identified sub-surface anomalies had with PEMEX producing fields and anomalies identified by PEMEX using other geophysical methods such as seismic and aero-magnetics and aero-gravity. This Paper was presented by NXT on July 24, 2013 at the Next Generation Oil & Gas ("NGO") Latin America Summit 5 conference held in Cartagena, Colombia, and will be very useful in marketing and showcasing potential applications of SFD®.

PEMEX is currently assessing potential prospect areas for new SFD® survey opportunities, which may culminate in a new contract that could commence later in 2013. NXT will be conducting an in-depth technical workshop with PEMEX staff in Mexico in early September, in order to expand knowledge of the SFD® system, and its potential applications.

In addition, following completion of the Q1-13 aerial survey project in Pakistan, the first of its kind in the country, several E&Ps who are active in Pakistan and South Asia have expressed interest in the potential for conducting additional SFD® surveys in the region. NXT plans to have additional technical presentations with these prospects in September and October 2013.

Some of our objectives to allow additional future growth include expanding our SFD® equipment capacity, adding to our core group of interpretation staff and our ability to provide integration of SFD® with geology and geophysics. In April 2013, we hired a veteran geophysicist, Mr. Atul Nautiyal, who has experience in international markets and in providing consulting advice to exploration clients.

Initiatives to protect our Intellectual Property ("IP" - patenting and new research & development ("R&D") initiatives) are in process, which should also serve to allow us to expand on our disclosures in order to build industry awareness, understanding, and acceptance of SFD® technology. Patton Boggs LLP, a United States ("US") based leader in IP protection, has been assisting in implementing NXT's IP strategy, including the filing of a formal, initial US patent application in May 2013.

Summary of Quarterly Results (Unaudited)

A summary of operating results for each of the trailing 8 quarters (including a comparison to each respective prior quarter) follows. The extent of the profit or loss each quarter is mainly due to the timing and the number of SFD® survey contracts that are underway, and variances in such non-cash items as stock based compensation expense ("SBCE"), which can occasionally be a significant expense in any given quarter. In addition, in early 2012, NXT issued US\$ denominated common share purchase warrants, and commenced to recognize in net income the change (also a non-cash item) in the fair value of these warrants, which are classified as a "derivative instrument" on our balance sheet.

	Q2-2013 June 30, 2013	Q1-2013 Mar 31, 2013	Q4-2012 Dec 31, 2012	Q3-2012 Sept 30, 2012
Survey revenue	\$ -	\$ 2,684,095	\$ 5,727,392	\$ -
Net income (loss)	(1,150,628)	(35,579)	3,087,323	(1,393,183)
Income (loss) per share – basic	(0.03)	-	0.07	(0.03)
Income (loss) per share – diluted	(0.03)	-	0.06	(0.03)

	Q2-2012 June 30, 2012	Q1-2012 Mar 31, 2012	Q4-2011 Dec 31, 2011	Q3-2011 Sept 30, 2011
Survey revenue	\$ 2,394,863	2,815,320	\$ -	\$ -
Net income (loss)	30,660	337,928	(1,072,560)	(1,026,814)
Income (loss) per share – basic	-	0.01	(0.03)	(0.03)
Income (loss) per share – diluted	-	0.01	(0.03)	(0.03)

Q2-13 to Q1-13 comparison – NXT had survey revenue of \$nil (\$2,684,095 in Q1-13), survey costs of \$nil (\$1,542,248 in Q1-13), SBCE of \$87,000 (\$100,000 in Q1-13), and a change in fair value of derivative instruments expense of \$32,000 (\$172,000 income in Q1-13). No survey operations were conducted in the Q2-13 period.

Q1-13 to Q4-12 comparison – Q1-13 reflects primarily the completion of the Pakistan survey project, whereas Q4-12 reflects completion of a larger contract which was performed in Mexico for PEMEX. NXT had survey revenue of \$2,684,095 (\$5,727,392 in Q4-12), SBCE of \$100,000 (\$59,000 in Q4-12) and survey costs of \$1,542,248 (\$1,277,768 in Q4-12). In addition, a non-cash income amount of \$172,000 (\$336,000 in Q4-12) was recognized in relation to adjusting the fair value of derivative instruments, and income tax expense of \$399,546 (\$216,807 in Q4-12) was recognized related to foreign with-holding taxes incurred on the Pakistan survey project. Q1-13 reflects a small net loss of \$35,579, as compared to a net income of \$3,087,323 for Q4-12.

Q4-12 to Q3-12 comparison - NXT had survey revenue of \$5,727,392 (\$nil in Q3-12), SBCE of \$59,000 (\$78,000 in Q3-12) and survey costs of \$1,277,768 (\$24,170 net recovery in Q3-12). In addition, a non-cash income amount of \$336,000 (\$158,000 expense in Q3-12) was recognized in relation to adjusting the fair value of derivative instruments, and income taxes of \$216,807 (\$nil in Q3-12) were recognized. Due primarily to the completion of the large Mexico contract in Q4-12, a net profit of \$3,087,323 arose, as compared to a net loss of \$1,393,183 for Q3-12.

Q3-12 to Q2-12 comparison - NXT had survey revenue of \$nil (\$2,394,863 in Q2-12), SBCE of \$78,000 (\$61,000 in Q2-12) and a survey cost recovery of \$24,170 (expense of \$1,205,654 in Q2-12). In addition, a non-cash expense of \$158,000 was recognized in relation to adjusting the fair value of derivative instruments. As no contract revenue was recognized in the Q3-12 period, a net loss of \$1,393,183 arose, as compared to a profit of \$30,660 for Q2-12.

Q2-12 to Q1-12 comparison - NXT had survey revenue of \$2,394,863 (\$2,815,320 in Q1-12), SBCE of \$61,000 (\$67,000 in Q1-12) and survey costs of \$1,205,654 (\$1,174,393 in Q1-12). With the completion of the Argentina and Guatemala surveys in Q2-12, NXT recognized a profit of \$30,660 as compared to a net profit of \$337,928 for Q1-12, which reflected the completion of the Colombia survey.

Q1-12 to Q4-11 comparison - NXT had survey revenue of \$2,815,320 (\$nil in Q4-11), SBCE of \$67,000 (\$50,015 in Q4-11) and survey costs of \$1,174,393 (\$nil in Q4-11). Due to the completion of the large Colombia survey in Q1-12, NXT recognized a net profit of \$337,928 for Q1-12 as compared to a loss of \$1,072,560 for Q4-11.

Q4-11 to Q3-11 comparison - NXT had survey revenue of \$nil (\$nil in Q3-11), SBCE of \$50,015 (\$246,000 in Q3-11) and \$nil survey costs (\$nil in Q3-11).

Q3-11 to Q2-11 comparison - NXT had survey revenue of \$nil (\$144,650 in Q2-11), SBCE of \$246,000 (\$18,843 in Q2-11) and \$nil survey costs (\$43,990 in Q2-11). The high total SBCE recorded in Q3-11 was due to the large number of stock options granted in Q3-11, and the fact that 42% of such had immediate vesting (as compared to the standard of 3 years).

Summary of Operating Results

Overall, NXT incurred a net loss of \$1,150,628 for Q2-13 as compared to a net income of \$30,660 for the Q2-12 period. The 2013 YTD period reflects solely the completion in Q1-13 of the survey contract that was conducted in Pakistan. The Q2-12 comparative period reflects completion of survey projects flown in Argentina (\$1.6 million) and Guatemala (\$0.7 million), and the 2012 YTD period also includes completion in Q1-12 of a survey which was flown in Colombia (\$2.9 million).

	Q2-13	Q2-12	2013 YTD	2012 YTD
Survey revenue	\$ -	\$ 2,394,863	\$ 2,684,095	\$ 5,210,183
Expenses:				
Survey costs	-	1,205,654	1,542,248	2,380,047
General and administrative	1,000,437	945,403	1,932,087	2,084,930
Stock based compensation expense	87,000	61,000	187,000	128,000
Amortization of property and equipment	22,065	27,417	42,742	53,957
	1,109,502	2,239,474	3,704,077	4,646,934
Other expense (income):				
Interest expense (income), net	(9,570)	872	(10,040)	3,736
Loss (gain) on foreign exchange	(37,130)	(116,264)	(149,797)	(50,395)
Oil and natural gas operations	3,826	3,563	4,532	4,762
Other expense	52,000	17,087	61,984	17,087
Change in fair value of derivative instruments	32,000	9,857	(140,000)	9,857
	41,126	(84,885)	(233,321)	(14,953)
Income (loss) before income taxes	(1,150,628)	240,274	(786,661)	578,202
Income tax expense	-	209,614	399,546	209,614
Net income (loss) for the period	(1,150,628)	30,660	(1,186,207)	368,588

SFD® survey operations - NXT applies the completed contract basis of revenue recognition, with survey revenue and expenses recognized in the quarterly period in which the overall survey recommendations report is delivered to our client. The 2013 YTD period reflects completion of a US \$2.7 million contract which commenced in Pakistan in December 2012, and which was completed and delivered in Q1-13. 2013 YTD also includes revenues of \$24,850 related to a small survey which was flown in Belize in fall 2012, and completed in Q1-13. The Belize project also includes potential additional future revenues to NXT, which are contingent upon future events, and as such, will be recognized if and when received.

The survey contract conducted in Pakistan in Q1-13 had a lower profit margin, and a higher rate of foreign income tax withholdings, than the surveys which were completed in 2012.

General and administrative ("G&A") expense - even in periods of high survey activity, G&A is a major component of NXT's total expenses. All salaries and overhead costs related to SFD® data interpretation staff are included in G&A, and not included with direct survey expenses.

The categories included in G&A expense are as follows:

	Q2-13	Q2-12	net change	% change
Salaries, benefits and consulting charges	\$ 482,850	\$ 507,669	\$ (24,819)	- 4.9 %
Board, professional fees, & public company costs	223,302	144,562	78,640	54.4 %
Premises and administrative overhead	150,858	163,950	(13,092)	- 8.0 %
Business development	116,360	64,523	51,837	80.3 %
Colombia office	27,167	64,699	(37,532)	- 58.0 %
Total G&A	1,000,437	945,403	55,034	5.8 %

	2013 YTD	2012 YTD	net change	% change
Salaries, benefits and consulting charges	\$ 957,736	\$ 1,012,177	\$ (55,441)	- 5.4 %
Board, professional fees, & public company costs	424,791	340,980	83,811	24.6 %
Premises and administrative overhead	312,851	330,066	(17,215)	- 5.2 %
Business development	181,232	283,133	(101,901)	- 36.0 %
Colombia office	55,477	118,574	(63,097)	- 53.2 %
Total G&A	1,932,087	2,084,930	(152,843)	- 7.3 %

The overall net changes in G&A expense for both Q2-13 and 2013 YTD are a combination of several factors:

- although staff levels were higher in 2013 (rose in the second half of 2012), a lower level of overall consulting fees were incurred due to a reduced headcount of consultants utilized.
- 2013 reflects slightly increased costs for such items as Board of Director fees, insurance, and investor relations activities.
- a high level of business development costs were incurred in 2012, primarily related to expanding awareness of the SFD technology, including costs of international tradeshow and conferences. The total for Q2-13 was, however, higher than the total for the corresponding Q2-12 period, due to the timing of conference related costs, and costs incurred in 2013 in expanding on the PEMEX integration study in order to generate potential new survey opportunities.
- the Colombia office had much lower levels of activity, and a slightly reduced salary level, for 2013.

Stock Based Compensation Expense ("SBCE") - this expense varies in any given quarter or year, as it is a function of several factors, such as the number of stock options issued in the period, and the period of amortization (based on the term of the contract and / or number of years for full vesting of the options) of the resultant expense. Also, SBCE is a function of periodic changes in the inputs used in the Black-Scholes option valuation model, such as NXT's stock price at the grant date, and trailing share price volatility. The totals for 2013 are higher than in 2012 due to issuance of a larger number of options in the first half of 2013 as compared to 2012.

Interest income, net - interest income earned on short-term investments is offset by any interest expense incurred (such as on a prior capital lease obligation for office equipment). Although market interest rates are low, with higher levels of cash resources available starting in late 2012, NXT is assessing ongoing opportunities for secure short-term investments of excess cash.

Loss (gain) on foreign exchange - this total is caused by changes in the relative exchange values of the US\$, Cdn\$ and Colombian peso ("COP"). For example, when the Cdn\$ trades higher relative to the US\$ or COP, cash held in US\$ or COP will decline in value, and this decline will be reflected as a foreign exchange loss in the period. NXT normally holds its cash and short-term investments in Cdn\$ to reduce the effect of market volatility; however, we currently are contractually obligated to hold certain restricted cash funds in US\$ instruments to support performance bond commitments in certain foreign countries. Also, in Q2-13 the value of net US\$ monetary assets increased as compared to as at Q4-12 (1.0518

Cdn\$ / US\$ as compared to 0.9949 Cdn\$ / US\$ as at Q4-12), resulting in both realized and unrealized net exchange gain movements in 2013 on the large total of net US\$ cash and other working capital items.

Other expense - this category includes primarily costs related to intellectual property filings and new R&D activity related to the SFD technology, for which new categories of costs started to be incurred in fall 2012.

Change in fair value of derivative instruments – in March and May 2012, NXT closed a \$3.2 million private placement financing of “units”, which were priced at US \$0.75. Each unit included one warrant to purchase a NXT common share for a period of two years. As these warrants are denominated in US\$ (exercise price of US \$1.20 per share) they are considered to be a “derivative instrument” for financial statement purposes, and are required to be re-valued to their estimated fair value at each period end until their exercise and / or expiry in early 2014.

The derivative instrument balance was initially recorded at \$409,143 in 2012, and in Q2-13 the estimated fair value was increased by \$32,000 to \$101,000 (\$69,000 as at the end of Q1-13). The fair value of the derivative instruments as at each quarter end is adjusted based on such inputs as NXT's share price at the current quarter end, NXT's trailing share price volatility and liquidity, and the estimated remaining life of the warrants.

Income tax expense - NXT periodically earns revenues while operating outside of Canada as a non-resident within certain foreign jurisdictions. Progress billings by NXT for services rendered to clients in such countries may be subject to foreign withholding taxes at the time of payment to NXT, and these amounts are only recoverable in certain circumstances. During Q1-13, NXT recorded \$399,546 in withholding taxes related to its revenues for the Pakistan project. Although such foreign taxes paid can potentially be utilized in Canada as a foreign tax credit against future taxable earnings from the foreign jurisdictions, a full valuation allowance has been provided against this benefit.

Liquidity and Capital Resources

NXT's cash and cash equivalents plus short-term investments at the end of Q2-13 was \$3,956,173. This excludes a total of \$333,733 which is classified on the Balance Sheet as restricted cash, which is required primarily as security related to performance of certain foreign contracts. Security is normally in the form of letters of credit (often for a term of 12 to 15 months), such as were issued to undertake a survey in Guatemala in Q2-12, and to undertake the survey in Pakistan, which commenced in Q4-12. All of the restricted cash balances are scheduled to be released back to NXT when the related letters of credit expire in the second half of 2013.

Significant progress was made in 2011 and 2012 in securing new revenue contracts and expanding our working capital. NXT's ability to continue as a going concern, however, remains dependent upon our success in being able to continue to attract new client projects and expand the revenue base to a level sufficient to far exceed G&A expenses, and generate excess net cash flow from operations. Equity financings have been used on a limited basis in recent years to supplement working capital as the Company has changed its strategy to focus its' efforts on the international oil and gas exploration markets. Private placement financings totaling \$3.2 million (\$2.9 million net of finders fees and share issue costs incurred) were conducted in early 2012 to enhance NXT's financial strength and fund its expansion plans. Risks related to having sufficient ongoing working capital to execute survey project contracts are mitigated through our normal practice of obtaining progress payments from clients throughout the course of the projects.

NXT has no secured debt, and following the spring 2012 private placement financing and completion of survey revenue contracts, net working capital increased significantly to the end of the Q1-13 and Q4-12 periods as follows:

	June 30, 2013	December 31, 2012	net change 2013 YTD
Current assets (current liabilities):			
Cash and cash equivalents	\$ 691,165	\$ 5,052,594	\$ (4,361,429)
Short-term investments	3,265,008	55,000	3,210,008
	3,956,173	5,107,594	(1,151,421)
Restricted cash	333,733	433,369	(99,636)
Accounts receivable	256,199	472,308	(216,109)
Prepaid expenses and other	184,211	140,649	43,562
Accounts payable and accrued liabilities	(656,941)	(1,623,724)	966,783
Net working capital before the undernoted items	4,073,375	4,530,196	(456,821)
Additional asset (liability) amounts:			
Work-in-progress	-	976,463	(976,463)
Deferred revenue	-	(317,103)	317,103
Fair value of derivative instruments	(101,000)	(241,000)	140,000
	(101,000)	418,360	(519,360)
Net working capital	3,972,375	4,948,556	(976,181)

As noted previously, the derivative instruments relate to the estimated fair value of the common share purchase warrants (which have a US\$ exercise price) which were issued in the private placement financings in early 2012. This balance is adjusted to its estimated fair value at each period end (until expiry of the warrants in March and May, 2014), based on the number of warrants outstanding. These derivative instruments are classified as a liability, but do not require any ongoing outlay of cash.

NXT applies the "completed contract" method of revenue recognition - revenues and related project costs are deferred until the period in which the survey contract is completed. Deferred revenue (a current liability) represents progress billing amounts that are to be recognized in revenue in future periods. Similarly, work-in-progress ("WIP", a current asset) relates to deferred survey costs which will be expensed in future periods upon completion of the related contracts. The WIP balance at December 31, 2012 related to the Pakistan survey which commenced in December, and was completed in March, 2013.

Also, deferred revenue represents only the portion of progress billings that were issued to the quarter end for the uncompleted contracts. At December 31, 2012, the deferred revenue balance related almost entirely to the Pakistan project.

The decreased total of accounts payable and accrued liabilities at Q2-13 as compared to Q4-12 is largely due to the timing of survey projects, and the related timing of payment of the related costs incurred. Most of the costs related to the Mexico survey were paid by December 31, 2012, whereas most costs related to the Pakistan survey were paid in Q1-13.

The following summarizes NXT's net cash flows, and the total cash plus short-term investments:

Cash flows from (used in):	Q2-13	Q2-12	2013 YTD	2012 YTD
Operating activities	\$ (367,194)	\$ (81,568)	\$ (1,230,594)	\$ (1,208,533)
Financing activities	-	856,252	-	3,203,443
Investing activities	(1,326,319)	(190,336)	(3,130,835)	(172,619)
Net source (use) of cash	(1,693,513)	584,348	(4,361,429)	1,822,291
Cash, start of the period	2,384,678	2,746,889	5,052,594	1,508,946
Cash, end of the period	691,165	3,331,237	691,165	3,331,237
Cash and cash equivalents	691,165	3,331,237	691,165	3,331,237
Short-term investments	3,265,008	20,000	3,265,008	20,000
Total	3,956,173	3,351,237	3,956,173	3,351,237

As shown above, cash balances decreased in Q2-13 by \$1,693,513 to \$691,165 at June 30, 2013. The net decrease in cash in Q2-13 is largely due the absence of revenue activity, and cash used to fund G&A expenses, and cash moved into short-term investments. Further information on the net changes in cash, by each of the Operating, Financing, and Investing activities, is as follows:

Operating Activities

	Q2-13	Q2-12	2013 YTD	2012 YTD
Net income (loss) for the period	(1,150,628)	30,660	\$ (1,186,207)	\$ 368,588
Total non-cash income and expense items	142,045	99,311	90,489	193,729
	(1,008,583)	129,971	(1,095,718)	562,317
Increase (decrease) in non-cash working capital balances	641,389	(211,539)	(134,876)	(1,770,850)
Net cash (used in) operating activities	(367,194)	(81,568)	(1,230,594)	(1,208,533)

Financing Activities

- no financing related activity in 2013, as compared to a net source of \$856,252 for Q2-12 (and \$3,203,443 for 2012 YTD) which arose primarily from \$2,886,024 related to net proceeds from the 2012 private placement financing (the majority of which closed in the Q1-12 period), and \$326,010 from the exercise of common share purchase warrants and stock options which occurred in Q1-12.

Investing Activities

- overall net cash use of \$1,326,319 (\$190,336 net use of cash for Q2-12) and net cash use of \$3,130,835 for 2013 YTD (net use of \$172,619 for 2012 YTD).
- net use of \$1,310,008 (\$nil in Q1-12) to purchase short-term investments, and a \$3,210,008 net use for 2013 YTD (\$10,000 net use for 2012 YTD)
- a net cash use of \$11,486 in Q2-13 (\$173,980 net use for Q2-12) and net cash inflow of \$99,636 for 2013 YTD (\$142,215 net use for 2012 YTD) arose on net changes in restricted cash balances which have been issued as security for performance guarantees issued on international survey contracts.
- \$4,825 (\$16,356 for Q2-12) and \$20,463 for 2013 YTD (\$20,404 for 2012 YTD) cash use for purchases of office and other equipment.

Contractual Commitments

NXT has an operating lease commitment on its Calgary office space for a term through April 30, 2015 at a minimum monthly lease payment of \$28,571 (including estimated operating costs). As at June 30, 2013, the estimated remaining minimum annual lease commitment is as follows:

Year ending December 31, 2013	\$ 152,191
2014	304,382
2015	101,461
	<u>558,034</u>

NXT currently does not own any aircraft used in its' survey operations, but has in place an agreement which expires in January 2014), to utilize a minimum annual volume of aircraft charter hours. The contract has a minimum commitment of \$317,000 for 2013, of which \$nil has been met to date.

Transactions with Related Parties

NXT retains as legal counsel a law firm of which one of its Directors is a partner. For the 6 month period ended June 30, 2013, NXT incurred legal fees and share issuance costs totaling \$9,500 (2012 - \$62,269) with this firm, for which a total of \$9,163 is included in accounts payable as at June 30, 2013 (December 31, 2012 - \$11,112).

Accounts payable and accrued liabilities includes a total of \$10,811 (December 31, 2012 - \$63,820) related to re-imbusement of expenses owing to persons who are Directors and Officers of NXT.

To date in 2013, NXT has issued the following stock options (which have a 5 year term to expiry, and vest 1/3 at the end of each annual anniversary date) to Directors and Officers of the Company:

Issued to	month issued	exercise price per share	# of stock options
NXT Director	January, 2013	\$ 0.76	150,000
NXT Officer	April, 2013	\$ 0.66	150,000
NXT Directors	July, 2013	\$ 0.86	52,500
			<u>352,500</u>

Additional Disclosures - Outstanding Securities

	as at August 22, 2013	as at June 30, 2013	as at December 31, 2012
Shares issued:			
Common shares	41,554,959	41,554,959	39,554,959
Convertible preferred shares	8,000,000	8,000,000	10,000,000
Common shares reserved for issue re:			
Stock options	3,043,100	2,990,600	2,890,600
Common share purchase warrants	4,502,821	4,502,821	4,502,821
	<u>57,100,880</u>	<u>57,048,380</u>	<u>56,948,380</u>

The common share purchase warrants have an exercise price of US \$1.20 expire in 2014 as follows:

March 7, 2014	2,096,175
March 19, 2014	415,000
March 30, 2014	605,913
May 4, 2014	<u>1,385,733</u>
	<u>4,502,821</u>

Convertible preferred shares

The convertible preferred shares are non-voting, are held by NXT's President & CEO, and were issued in the 2005 / 2006 period pursuant to NXT acquiring rights to use the SFD® technology for hydrocarbon exploration applications. The preferred shares are convertible on a 1 for 1 basis into NXT common shares by December 31, 2015, subject to earlier partial conversions if certain cumulative revenue milestones are achieved by NXT.

2,000,000 of the preferred shares became convertible upon issue, and this portion was formally converted by the holder effective May 22, 2013.

NXT has an option to elect by December 31, 2015 to convert the remaining 8,000,000 preferred shares in order to maintain its rights to utilizing the SFD® technology. In the event that the conversion option is not exercised by December 31, 2015, the preferred shares would be redeemed for \$0.001 per share and NXT's rights to the SFD® technology would revert to the holder of the preferred shares.

The remaining 8,000,000 preferred shares are subject to conditions related to potential future conversion. They may become convertible into common shares in four separate increments of 2,000,000 preferred shares each, should NXT achieve specified cumulative revenue thresholds of US \$50 million, US \$100 million, US \$250 million and US \$500 million prior to December 31, 2015. An additional bonus of 1,000,000 NXT common shares are issuable in the event that cumulative SFD® revenues exceed US \$500 million.

Cumulative revenue is defined as the sum of total revenue earned plus proceeds from the sale of assets accumulated since January 1, 2007, all denominated in US\$, and calculated in accordance with US GAAP. As at June 30, 2013, the Company had generated cumulative revenue of approximately US \$25.8 million (December 31, 2012 - US \$23.1 million) that is eligible to be applied to the above noted conversion thresholds.

Critical Accounting Estimates

The factors are substantially unchanged; refer to NXT's annual MD&A as at and for the year ended December 31, 2012. The following is also important to note:

Revenue Recognition

Revenue earned on SFD® survey contracts (net of any related foreign sales taxes) is recognized on a completed contract basis. This method of revenue recognition is currently deemed as appropriate given the complex nature of the end product that is delivered to the client - while the quantity of data acquisition can be measured based on actual line kilometers flown, the acquired SFD® data does not realize its full value until it is processed, interpreted in detail, and a recommendations report is generated and reviewed with the client's geological and geophysical staff.

All funds received or invoiced in advance of completion of the contract are reflected as unearned revenue and classified as a current liability on our balance sheet. All survey expenditures and obligations related to uncompleted SFD® survey contracts (including directly related sales commissions) are reflected as work-in-progress and classified as a current asset on our balance sheet. Upon completion of the related contract, unearned revenue and the work-in-progress is moved as appropriate to the statement of earnings (loss) as either revenue or survey cost. Survey costs do not include any salaries and overhead related to SFD® data interpretation staff (which is included in G&A expense) or amortization of property and equipment expense.

Changes in Accounting Policies Including Initial Adoption

Factors are substantially unchanged; refer to NXT's annual MD&A as at and for the year ended December 31, 2012.

Risk Factors

NXT is exposed to numerous business related risks, some of which are unique to the nature of its operations. Many of these risks can not be readily controlled.

Future Operations

NXT is still in the early stages of commercializing its SFD® technology. Its ability to generate cash flow from operations will depend on its ability to service its existing clients and develop new clients for its SFD® services. Management recognizes that this early commercialization phase can last for several years, and that it can have significant economic dependence on a small number of clients, which can have a material effect on the Company's operating results and financial position.

NXT anticipates that it will be able to generate both net income and cash from operations in future years based on its current business model; however this outcome cannot be predicted with certainty. The Company has an extensive prior history of generating net losses and a shortage of working capital. The Company's consolidated financial statements do not include any adjustments to amounts and classifications of assets and liabilities that might be necessary should NXT be unable to generate sufficient net income and cash from operations in future years in order to continue as a going concern.

International operations

NXT conducts the majority of its operations in foreign countries, some of which it has not operated in before. This exposes NXT to various risks related to stability of political regimes, knowledge of the local customs, duties and other taxes, the ability to access the relevant local services, and potential delays in commencing the projects.

Availability of charter aircraft

NXT does not currently own any aircraft, and relies upon the availability of aircraft which are operated under charter hire arrangements. Charter operators provide the aircraft used in SFD® survey operations on an as required basis in exchange for an hourly charter fee (plus fuel and other direct operating costs). NXT is not required to make a capital investment in chartered aircraft, but in order to guarantee aircraft availability and rate certainty, it currently commits to a one year contract, with a minimum number of charter hours. NXT is thus exposed to a potential financial penalty of up to \$317,000 in the event that it fails to fulfill the minimum annual charter hours commitment for 2013.

Management and staff

NXT's success is currently largely dependent on the performance of a limited group of senior management, Directors, and staff. The loss of the services of any of these persons could have an adverse effect on our business and prospects. There is no assurance that NXT can maintain the services of our complement of management, Directors, staff and other qualified personnel that are required to operate our business.

Reliance on specialized equipment, and the protection of intellectual property

NXT currently has a limited number of SFD® survey sensors which are used in survey data acquisition operations. In addition, there is potential risk that the equipment could become destroyed during operations, become obsolete, or that a third party might claim an interest in our proprietary intellectual property. The costs of legal defence of our rights to the SFD® technology could be very expensive.

Related party transactions

NXT may periodically enter into related party transactions with its Officers and Directors. The most significant related party transaction was a "Technical Transfer Agreement" executed on December 31, 2006 between NXT and its CEO, President and Director whereby NXT issued 10,000,000 convertible preferred shares in exchange for the acquisition of the SFD® technology.

All related party transactions have the potential to create conflicts of interest that may undermine the Board of Director's fiduciary responsibility to NXT shareholders. NXT manages this risk of conflict of interest through maintenance of a strong independent Board of Directors. Five of the six current Directors are independent. All significant transactions between Officers and or Directors of the Company are

negotiated on behalf of NXT and voted upon by the disinterested Directors to protect the best interests of all shareholders.

Volatility in oil and natural gas commodity prices may affect demand for our services

NXT's customer base is in the oil and natural gas exploration industry, which is exposed to risks of volatility in oil and natural gas commodity prices. As such, demand for our services, and prospective revenues, may become adversely impacted by ongoing declines in oil and natural gas prices. The impact of price changes on our ability to enter into SFD® survey contracts cannot be readily determined, however, in general if commodity prices decline significantly, our opportunity to obtain and execute SFD® survey contracts will also likely decline.

Foreign currency fluctuations

NXT generally bills its revenues in US\$, and as such frequently holds cash in both Cdn\$ as well as in US\$, and is thus exposed to foreign exchange fluctuations on its US\$ funds. Additionally, most of our operating expenses are incurred in Cdn\$. We do not currently engage in currency hedging activities which can be used to mitigate this risk.

As NXT continues to expand into foreign markets, it may become exposed to additional foreign currency fluctuation risks.

Interest rate fluctuations

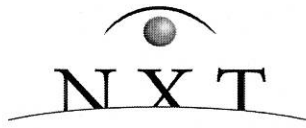
NXT periodically invests excess cash in short-term investments which generally yield fixed interest rates. Accordingly, NXT faces some risk related to volatility in interest rates, as interest income may be adversely affected by any material changes in interest rates.

Disclosure Controls and Procedures ("DCP") and Internal Controls over Financial Reporting ("ICFR")

As a TSX Venture Exchange listed issuer, NXT is not required to certify the design and evaluation of its DCP and ICFR and has not completed such an evaluation as at June 30, 2013. Further, the inherent limitations on the ability of the Company's Responsible Officers (being the CEO and the CFO) to design and implement on a cost effective basis DCP and ICFR for the Company may result in additional risks to the quality, reliability, transparency and timeliness of interim and annual filings and other reports provided under securities legislation.

Additional Information

For additional information on NXT Energy Solutions Inc. please consult our web page at www.nxtenergy.com, or the SEDAR webpage at <http://www.sedar.com>.



NXT ENERGY SOLUTIONS INC.

Consolidated Financial Statements

As at and for the three and six month periods ended

June 30, 2013

NXT ENERGY SOLUTIONS INC.

Consolidated Balance Sheets (Unaudited - Expressed in Canadian dollars)

	As at the period ended	
	June 30, 2013	December 31, 2012
Assets		
Current assets		
Cash and cash equivalents	\$ 691,165	\$ 5,052,594
Short-term investments	3,265,008	55,000
Restricted cash [note 3]	333,733	433,369
Accounts receivable	256,199	472,308
Work-in-progress	-	976,463
Prepaid expenses and other	184,211	140,649
	4,730,316	7,130,383
Long term assets		
Property and equipment [note 4]	305,560	327,839
	\$ 5,035,876	\$ 7,458,222
Liabilities and Shareholders' Equity		
Current liabilities		
Accounts payable and accrued liabilities [note 5]	\$ 656,941	\$ 1,623,724
Deferred revenue	-	317,103
Fair value of derivative instruments [note 12]	101,000	241,000
	757,941	2,181,827
Long term liabilities		
Asset retirement obligation [note 6]	62,560	61,813
	820,501	2,243,640
Future operations [note 1]		
Commitments and contingencies [note 15]		
Shareholders' equity		
Common shares [note 7]: - authorized unlimited		
Issued: 41,554,959 (2012 - 39,554,959) common shares	59,880,086	56,623,686
Preferred shares [note 8]: - authorized unlimited		
Issued: 8,000,000 (2012 - 10,000,000) Preferred shares	232,600	3,489,000
Contributed capital	5,593,193	5,406,193
Deficit	(62,201,439)	(61,015,232)
Accumulated other comprehensive income	710,935	710,935
	4,215,375	5,214,582
	\$ 5,035,876	\$ 7,458,222

Signed "George Liszicasz"
Director

Signed "John Agee"
Director

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

NXT ENERGY SOLUTIONS INC.

Consolidated Statements of Income (Loss) and Comprehensive Income (Loss)

(Unaudited - Expressed in Canadian dollars)

	For the three months ended June 30,		For the six months ended June 30,	
	2013	2012	2013	2012
Revenue				
Survey revenue [note 16]	\$ -	\$ 2,394,863	\$ 2,684,095	\$ 5,210,183
Expense				
Survey costs	-	1,205,654	1,542,248	2,380,047
General and administrative	1,000,437	945,403	1,932,087	2,084,930
Stock based compensation expense [note 10]	87,000	61,000	187,000	128,000
Amortization of property and equipment	22,065	27,417	42,742	53,957
	<u>1,109,502</u>	<u>2,239,474</u>	<u>3,704,077</u>	<u>4,646,934</u>
Other expense (income)				
Interest expense (income), net	(9,570)	872	(10,040)	3,736
Foreign exchange gain	(37,130)	(116,264)	(149,797)	(50,395)
Oil and natural gas operations	3,826	3,563	4,532	4,762
Other expense	52,000	17,087	61,984	17,087
Change in fair value of derivative instruments [note 12]	32,000	9,857	(140,000)	9,857
	<u>41,126</u>	<u>(84,885)</u>	<u>(233,321)</u>	<u>(14,953)</u>
Income before income taxes	(1,150,628)	240,274	(786,661)	578,202
Income tax expense [note 13]	-	209,614	399,546	209,614
Income (loss) and comprehensive income (loss)	<u>\$ (1,150,628)</u>	<u>\$ 30,660</u>	<u>\$ (1,186,207)</u>	<u>\$ 368,588</u>
Income (loss) per share [note 9]				
Basic	\$ (0.03)	\$ -	\$ (0.03)	\$ 0.01
Diluted	\$ (0.03)	\$ -	\$ (0.03)	\$ 0.01

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

NXT ENERGY SOLUTIONS INC.

Consolidated Statements of Cash Flows

(Unaudited - Expressed in Canadian dollars)

	For the three months ended June 30,		For the six months ended June 30,	
	2013	2012	2013	2012
Cash provided by (used in):				
Operating activities				
Net income (loss) for the period	\$ (1,150,628)	\$ 30,660	\$ (1,186,207)	\$ 368,588
Items not affecting cash:				
Stock-based compensation expense	87,000	61,000	187,000	128,000
Amortization and depreciation	22,065	27,417	42,742	53,957
Accretion of asset retirement obligation	980	1,037	1,960	1,915
Change in fair value of derivative instruments [note 12]	32,000	9,857	(140,000)	9,857
Asset retirement obligations paid	-	-	(1,213)	-
	<u>142,045</u>	<u>99,311</u>	<u>90,489</u>	<u>193,729</u>
Changes in non-cash working capital balances [note 14]	(1,008,583)	129,971	(1,095,718)	562,317
	<u>641,389</u>	<u>(211,539)</u>	<u>(134,876)</u>	<u>(1,770,850)</u>
Net cash used in operating activities	<u>(367,194)</u>	<u>(81,568)</u>	<u>(1,230,594)</u>	<u>(1,208,533)</u>
Financing activities				
Repayment of capital lease obligation	-	(6,926)	-	(8,591)
Issue of common shares and warrants, net of issue costs	-	863,178	-	2,886,024
Exercise of stock options and warrants	-	-	-	326,010
Net cash generated by financing activities	<u>-</u>	<u>856,252</u>	<u>-</u>	<u>3,203,443</u>
Investing activities				
Purchase of property and equipment	(4,825)	(16,356)	(20,463)	(20,404)
Decrease (increase) in restricted cash	(11,486)	(173,980)	99,636	(142,215)
Increase in short-term investments	(1,310,008)	-	(3,210,008)	(10,000)
Proceeds from sale of property and equipment	-	-	-	-
Net cash (used in) investing activities	<u>(1,326,319)</u>	<u>(190,336)</u>	<u>(3,130,835)</u>	<u>(172,619)</u>
Net cash inflow (outflow)	(1,693,513)	584,348	(4,361,429)	1,822,291
Cash and cash equivalents, beginning of the period	2,384,678	2,746,889	5,052,594	1,508,946
Cash and cash equivalents, end of the period	<u>\$ 691,165</u>	<u>\$ 3,331,237</u>	<u>\$ 691,165</u>	<u>\$ 3,331,237</u>
Supplemental information				
Cash interest paid (received), net	(9,570)	872	(10,040)	3,736
Cash taxes paid	<u>\$ 142,204</u>	<u>\$ 209,614</u>	<u>\$ 399,546</u>	<u>\$ 209,614</u>

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

NXT ENERGY SOLUTIONS INC.

Consolidated Statements of Shareholders' Equity

(Unaudited - Expressed in Canadian dollars)

	For the six months ended June 30,	
	2013	2012
Common Shares		
Balance at beginning of the period	\$ 56,623,686	\$ 53,756,687
Issued on conversion of preferred shares [notes 7 and 8]	3,256,400	-
Issued upon exercise of warrants	-	278,760
Issued upon exercise of stock options	-	47,250
Issued through private placement, net of issue costs [note 7]	-	2,886,024
Value attributed to derivative instruments related to warrants issued in private placement financings [note 7 and 12]	-	(409,143)
Transfer from contributed capital upon exercise of stock options and warrants	-	45,733
Balance at end of the period	59,880,086	56,605,311
Preferred Shares		
Balance at beginning of the period	3,489,000	3,489,000
Conversion of preferred shares to common shares [notes 7 and 8]	(3,256,400)	-
Balance at end of the period	232,600	3,489,000
Contributed Capital		
Balance at beginning of the period	5,406,193	5,205,301
Recognition of stock based compensation expense	187,000	128,000
Contributed capital transferred to common shares pursuant to exercise of options and warrants	-	(45,733)
Balance at end of the period	5,593,193	5,287,568
Deficit		
Balance at beginning of the period	(61,015,232)	(63,077,960)
Net income (loss) and comprehensive income (loss) for the period	(1,186,207)	368,588
Balance at end of the period	(62,201,439)	(62,709,372)
Accumulated Other Comprehensive Income		
Balance at beginning and end of the period	710,935	710,935
Total Shareholders' Equity at end of the period	\$ 4,215,375	\$ 3,383,442

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

NXT ENERGY SOLUTIONS INC.

Notes to the Consolidated Financial Statements (unaudited) As at and for the three month and six periods ended June 30, 2013 (Expressed in Canadian dollars unless otherwise stated)

1. History and Future Operations

NXT Energy Solutions Inc. (the "Company" or "NXT") is a publicly traded company based in Calgary, Canada.

NXT's proprietary Stress Field Detection ("SFD®") technology is an airborne survey system that is used in the oil and natural gas industry to help aid in identifying areas with hydrocarbon reservoir potential. Specific rights to this technology were acquired from NXT's current Chief Executive Officer and President (the "CEO") under a technology transfer agreement (the "TTA") which has a term to December 31, 2015. The TTA requires the completion of various conditions, including conversion by NXT of an original total of 10,000,000 convertible preferred shares which were issued (see note 8).

Prior to 2006 the Company had engaged in extensive activities to develop, validate and obtain industry acceptance of SFD®, including conducting SFD® surveys for oil and gas industry partners on a cost recovery basis and participating as a joint venture partner in SFD® identified exploration wells. By December 31, 2005 the Company had accumulated a deficit of approximately \$47.6 million in conducting these activities.

This early period was effective in developing the SFD® technology to the point that the Company could commence the "commercialization" phase in 2006. SFD® survey services began to be offered to potential clients engaged in oil and gas exploration activities with an initial focus on companies operating in the western Canadian sedimentary basin. Subsequently, in 2008, NXT commenced to focus its sales activities towards international and frontier exploration markets.

NXT is still in the early stages of commercializing its SFD® technology, and the generation of positive cash flow from operations will depend largely on its ability to demonstrate the value of the SFD® survey system to a much wider client base. NXT recognizes that this early commercialization phase can last for several years and that its' financial position is currently dependent upon a limited number of client projects, on obtaining additional financing when needed, and attracting future clients.

These consolidated financial statements have been prepared on a "going concern" basis in accordance with generally accepted accounting principles of the United States of America ("US GAAP"). The going concern basis of presentation assumes that NXT will continue in operation for the foreseeable future and will be able to realize its assets and discharge its liabilities and commitments in the normal course of business. There is substantial doubt about the appropriateness of the use of the going concern assumption, primarily due to current uncertainty about the timing and magnitude of future SFD® survey revenues. NXT recognizes that it has limited ability to support operations significantly beyond 2013 without generating sufficient new revenue sources or securing additional financing if required.

NXT realized significant growth and improvement in its financial position in 2012, and is working to expand operations in order to generate ongoing positive net income and cash flow from operations in future years with its existing business model. However, the occurrence and timing of this outcome cannot be predicted with certainty. NXT's ability to continue as a going concern will also depend on its ability to further develop, and ultimately retain the SFD® technology that was acquired under the TTA.

These consolidated financial statements do not include any adjustments to amounts and classifications of assets and liabilities or reported expenses that would be necessary should NXT be unable to raise additional capital or generate sufficient net income and cash flow from operations as required in future years in order to continue as a going concern.

2. Significant Accounting Policies

Basis of presentation

These interim unaudited consolidated financial have been prepared by management in accordance with US GAAP and by applying the same accounting policies and methods as used in preparing the consolidated financial statements for the fiscal year ended December 31, 2012.

These interim financial statements should be read in conjunction with the 2012 annual audited consolidated financial statements as they contain disclosure which is supplemental to NXT's annual consolidated financial statements and accordingly certain disclosure normally required for annual financial statements has been condensed or omitted herein.

3. Restricted cash

Restricted cash consists of US dollar money market securities which have been deposited by NXT with financial institutions as security in order for these institutions to issue bank letters of credit for the benefit of third party clients. These letters of credit are related to contractual performance requirements on certain SFD® surveys.

4. Property and equipment

	June 30, 2013	December 31, 2012
Survey equipment	\$ 626,286	\$ 623,081
Furniture and other equipment	528,420	528,420
Computers and software	1,097,560	1,080,302
Leasehold improvements	382,157	382,157
	<u>2,634,423</u>	<u>2,613,960</u>
Less accumulated depreciation, amortization and impairment	(2,328,863)	(2,286,121)
	<u>\$ 305,560</u>	<u>\$ 327,839</u>

5. Accounts payable and accrued liabilities

	June 30, 2013	December 31, 2012
Accrued liabilities related to:		
Consultants and professional fees	\$ 122,140	\$ 114,640
Survey expenses	-	29,686
Board of Directors' fees	-	60,000
Wages and bonuses payable	172,065	351,780
Vacation pay	64,079	51,078
	<u>358,284</u>	<u>607,184</u>
Trade payables, payroll withholdings and other	298,657	1,016,540
	<u>\$ 656,941</u>	<u>\$ 1,623,724</u>

6. Asset retirement obligation

Asset retirement obligations ("ARO") relate to oil and natural gas wells in which NXT has outstanding abandonment and reclamation obligations in accordance with government regulations. The Company's obligation relates to its interests in 8 gross (1.1 net) wells that were drilled in the years 2000 through 2004. ARO have an estimated future liability of approximately \$63,000 and is based on estimates of the future timing and costs to remediate, reclaim and abandon the wells within the next three years. The net present value of the ARO is as noted below, and has been calculated using an inflation rate of 3.4% and discounted using a credit-adjusted risk-free interest rate of 10%.

	June 30, 2013	December 31, 2012
Asset retirement obligation, beginning of the period	\$ 61,813	\$ 57,953
Accretion expense	1,960	3,860
Costs incurred	(1,213)	-
Asset retirement obligation, end of the period	<u>\$ 62,560</u>	<u>\$ 61,813</u>

7. Common shares

The Company is authorized to issue an unlimited number of common shares, of which the following are issued and outstanding:

	For the six months ended June 30, 2013		For the six months ended June 30, 2012	
	# of Shares	\$ Amount	# of Shares	\$ Amount
As at beginning of the period	39,554,959	\$ 56,623,686	34,757,396	\$ 53,756,687
Transactions during the period:				
Conversion of preferred shares (i)	2,000,000	3,256,400	-	-
Issued through private placement financings, net of issue costs (ii)	-	-	4,258,005	2,886,024
Value attributed to warrants issued in the private placement financings (ii)	-	-	-	(409,143)
Issued on exercise of stock options	-	-	75,000	47,250
Issued on exercise of warrants	-	-	464,558	278,760
Transfer from contributed surplus upon exercise of stock options and warrants	-	-	-	45,733
As at end of the period	<u>41,554,959</u>	<u>\$ 59,880,086</u>	<u>39,554,959</u>	<u>\$ 56,605,311</u>

(i) NXT also has outstanding a total of 8,000,000 preferred shares (see note 8) which are convertible on a 1 for 1 basis into an additional maximum of 8,000,000 common shares by December 31, 2015. An initial total of 2,000,000 of these preferred shares were converted into 2,000,000 common shares of the Company effective May 22, 2013.

(ii) In March and May 2012, NXT conducted private placement financings (the "2012 Financings") which consisted of units issued at a price of US \$0.75 (the "Units"). Each Unit consisted of one NXT common share and one warrant (the "Warrants") to purchase an additional NXT common share at a price of US \$1.20. The Warrants have a term of two years from the date of issue, and the expiry can be accelerated at the option of NXT in the event that it issues a press release advising that its common shares have traded on the US OTCBB Exchange at a price exceeding US \$1.50 for 20 consecutive trading days. Any Warrants subject to acceleration shall expire 30 days after such notice.

In connection with the 2012 Financings, NXT paid finder's fees totalling US \$183,612 and issued a total of 244,816 finder's warrants (which have the same terms as the Warrants noted above). The 2012 Financings had three separate closings in March, 2012 and one on May 4, 2012, which are summarized as follows:

	March, 2012	May 4, 2012	total
Proceeds (in US dollars)	\$ 2,216,005	\$ 977,500	\$ 3,193,505
Proceeds (in Cdn \$)	2,210,690	972,442	3,183,132
Share issue costs incurred	(187,844)	(109,264)	(297,108)
Proceeds, net of issue costs	<u>2,022,846</u>	<u>863,178</u>	<u>2,886,024</u>
Number of common shares issued	<u>2,954,672</u>	<u>1,303,333</u>	<u>4,258,005</u>
Number of Warrants issued	2,954,672	1,303,333	4,258,005
Number of finder's warrants issued	162,416	82,400	244,816
	<u>3,117,088</u>	<u>1,385,733</u>	<u>4,502,821</u>
Fair value attributed to Warrants issued	\$ 249,143	\$ 160,000	\$ 409,143

Two Officers of the Company subscribed for a total of US \$40,000 of the 2012 Financings.

The common shares that were issued under the 2012 Financings were recorded at a value equal to the proceeds received of \$3,183,132 (\$2,886,024, net of related issue costs totalling \$297,108), and reduced by \$409,143 which was the estimated fair value attributed to the 4,502,821 Warrants that were issued (see also note 11).

8. Preferred shares

The Company is authorized to issue an unlimited number of preferred shares, issuable in series.

In 2005, the Company issued 10,000,000 series 1 preferred shares (the "Preferred Shares") to its CEO pursuant to the execution of the Technical Transfer Agreement (see note 1) in exchange for the rights to utilize the SFD® technology for hydrocarbon exploration.

These Preferred Shares are non-voting, and are convertible into up to 10,000,000 NXT common shares (on a 1 for 1 basis) under the following terms:

- 2,000,000 of the Preferred Shares became convertible into common shares upon issue. In April 2013, the holder gave notice to NXT to formally convert these 2,000,000 Preferred Shares into 2,000,000 common shares, which occurred effective May 22, 2013 (see note 7(i)).
- The remaining 8,000,000 Preferred Shares are subject to conditions related to potential future conversion. They may become convertible into common shares in four separate increments of 2,000,000 Preferred Shares each, should NXT achieve specified cumulative revenue thresholds of US \$50 million, US \$100 million, US \$250 million and US \$500 million prior to December 31, 2015.
- An additional bonus of 1,000,000 common shares are issuable in the event that cumulative revenues exceed US \$500 million.
- Cumulative revenue is defined as the sum of total revenue earned plus proceeds from the sale of assets accumulated since January 1, 2007, all denominated in United States dollars, and calculated in accordance with generally accepted accounting principles.
- In the event that the final cumulative revenue threshold of US \$500 million is not achieved by December 31, 2015, NXT has the option to either redeem any remaining unconverted Preferred Shares for a price of \$0.001 per share and forfeit its rights to the SFD® technology, or elect to retain the ownership of the SFD® technology by converting all of the remaining Preferred Shares into common shares.

The Preferred Shares do not participate in any dividends, and are not transferable except with the consent of the Board of Directors of NXT.

As at June 30, 2013, the Company had generated cumulative revenue of approximately US \$25.8 million (December 31, 2012 - US \$23.1 million) that is eligible to be applied to the above noted conversion thresholds.

The Preferred Shares were originally recorded at their estimated fair value as at December 31, 2005, with the total substantially assigned to the portion which was immediately convertible. The remaining Preferred Shares were assigned a nominal value, reflecting the uncertainty that the required revenue objectives would be achieved to allow conversion into common shares, as follows:

	# of Preferred Shares	recorded value
convertible upon issue effective December 31, 2005	2,000,000	\$ 3,256,400
conditionally convertible on or before December 31, 2015	8,000,000	232,600
	10,000,000	3,489,000

The number of preferred shares outstanding is as follows:

	For the six months ended June 30, 2013		For the six months ended June 30, 2012	
	# of Shares	\$ Amount	# of Shares	\$ Amount
As at beginning of the period	10,000,000	\$ 3,489,000	10,000,000	\$ 3,489,000
Conversion to common shares (see note 7(i))	(2,000,000)	(3,256,400)	-	-
As at end of the period	8,000,000	232,600	10,000,000	3,489,000

9. Income (loss) per share

	For the three months ended June 30, 2013		For the six months ended June 30, 2012	
Net income (loss) for the period	\$ (1,150,628)	\$ 30,660	\$ (1,186,207)	\$ 368,588
Weighted average number of common shares outstanding:				
Common shares issued	40,412,102	39,067,999	39,985,898	37,339,721
Convertible preferred shares	1,142,857	2,000,000	1,569,061	2,000,000
Basic	41,554,959	41,067,999	41,554,959	39,339,721
Additional shares related to assumed exercise of stock options and warrants under the treasury stock method	-	305,254	-	283,528
Contingently issuable preferred shares	-	8,000,000	-	8,000,000
Diluted	41,554,959	49,373,253	41,554,959	47,623,249
Income (loss) per share - Basic	\$ (0.03)	\$ -	\$ (0.03)	\$ 0.01
Income (loss) per share - Diluted	\$ (0.03)	\$ -	\$ (0.03)	\$ 0.01

A total of 2,000,000 of the Preferred Shares (see note 8) are included in the above noted basic income (loss) per share calculations, as the criteria for them to convert to common shares had been met for each period. The remaining 8,000,000 Preferred Shares are contingently issuable, and are included in the diluted number of shares outstanding if applicable.

In periods in which a loss results, all outstanding stock options, common share purchase warrants and the contingently issuable Preferred Shares are excluded from the diluted loss per share calculations as their effect is anti-dilutive.

10. Stock options

The following is a summary of stock options which are outstanding as at June 30, 2013:

exercise price	# of stock options outstanding	# of stock options exercisable	average remaining contractual life (years)
\$ 0.45	105,600	105,600	2.3
\$ 0.53	150,000	150,000	0.5
\$ 0.63	450,000	450,000	1.1
\$ 0.66	150,000	-	4.8
\$ 0.75	395,000	-	4.1
\$ 0.76	330,000	-	4.6
\$ 0.86	675,000	-	4.1
\$ 1.16	435,000	255,000	3.1
\$ 1.20	300,000	180,000	4.1
<u>\$ 0.84</u>	<u>2,990,600</u>	<u>1,140,600</u>	<u>3.3</u>

A continuity of the number of stock options which are outstanding at the end of the current period (see also note 17) and as at the prior fiscal ended December 31, 2012 is as follows:

	For the six months ended June 30, 2013		For the year ended December 31, 2012	
	# of stock options	weighted average exercise price	# of stock options	weighted average exercise price
Outstanding at beginning of the period	2,890,600	\$ 0.86	2,473,100	\$ 1.02
Granted	390,000	\$ 0.72	1,900,000	\$ 0.89
Forfeited	(240,000)	\$ 0.87	(390,268)	\$ 1.72
Expired unexercised	(50,000)	\$ 0.89	(877,232)	\$ 1.05
Cancelled	-	-	(140,000)	\$ 0.63
Exercised	-	-	(75,000)	\$ 0.63
Options outstanding as at end of the period	<u>2,990,600</u>	<u>\$ 0.84</u>	<u>2,890,600</u>	<u>\$ 0.86</u>
Options exercisable as at end of the period	<u>1,140,600</u>	<u>\$ 0.81</u>	<u>970,600</u>	<u>\$ 0.78</u>

Stock options granted generally expire, if unexercised, five years from the date granted and entitlement to exercise vests at a rate of one-third at the end of each of the first three years following the date of grant, except as otherwise noted below.

- A total of 300,000 stock options were granted in August, 2012, with an average exercise price of \$1.20, expiring August 2017, and with 20% of the options vesting after each 3 month period.
- In July 2012 a total of 830,000 stock options with an exercise price of \$0.86 were granted to Directors and Officers of NXT. In addition, two Directors of NXT surrendered for cancellation a total of 140,000 vested stock options, which had an exercise price of \$0.63 per share, and an expiry date of December 12, 2012.
- A total of 400,000 stock options were granted in December, 2011, at an average exercise price of \$2.50, expiring June 1, 2013, and with 25% of the options vesting after each 3 month period. In 2012, a total of 200,000 of these options were forfeited and the remaining 200,000 expired.

Stock based compensation expense is calculated based on the fair value attributed to grants of stock options using the Black-Scholes valuation model and utilizing the following weighted average assumptions:

	For the six months ended June 30,	
	2013	2012
Stock based compensation expense for the period	\$ 187,000	\$ 128,000
Expected dividends paid per common share	Nil	Nil
Expected life in years	5.0	3.0
Expected volatility in the price of common shares	75%	92%
Risk free interest rate	1.0%	1.5%
Weighted average fair market value per share at grant date	\$ 0.44	\$ 0.27
Intrinsic (or "in-the-money") value per share of options exercised	n/a	\$ 0.13

As of June 30, 2013 there was \$852,000 (December 31, 2012 - \$967,000) of unamortized stock based compensation expense related to non-vested stock options. This amount will be recognized in future expense over the remaining vesting periods of the underlying stock options.

11. Warrants to purchase common shares

The following is a summary of outstanding warrants to purchase common shares:

	Exercise price	# of warrants	Exercise proceeds received
Outstanding as at January 1, 2010		-	\$ -
Issued on February, 2011 private placement (i)	\$ 0.60	3,345,920	-
Exercised in 2011		(700,000)	420,000
Outstanding as at December 31, 2011		2,645,920	420,000
Exercised in 2012		(464,558)	278,760
Expired on February 16, 2012		(2,181,362)	-
		-	698,760
Issued on March and May, 2012 private placement financings (ii)	US \$ 1.20	4,502,821	
Outstanding as at December 31, 2012 and June 30, 2013		4,502,821	
These warrants expire in 2014 as follows:			
	March 7, 2014	2,096,175	
	March 19, 2014	415,000	
	March 30, 2014	605,913	
	May 4, 2014	1,385,733	
		4,502,821	

(i) In February, 2011 NXT closed a private placement financing of Units which included a total of 3,345,920 warrants which had an exercise price of \$0.60 and an expiry date of February 16, 2012.

(ii) The estimated fair value attributed to the 4,502,821 total US\$ Warrants that were issued in the 2012 Financings (see note 7(ii)) was \$409,143, determined using the weighted average assumptions listed in note 12(2).

12. Financial instruments

1) Non-derivative financial instruments

The Company's non-derivative financial instruments consist of cash and cash equivalents, short term investments, restricted cash, accounts receivable, and accounts payables and accrued liabilities. The carrying value of these financial instruments approximates their fair values due to their short terms to maturity. NXT is not exposed to significant interest or credit risks arising from these financial instruments. NXT is exposed to foreign exchange risk as a result of holding U.S. and Colombian denominated financial instruments.

2) Derivative financial instruments

As the exercise price of the Warrants issued in 2012 (see note 7(ii)) is in US dollars, which is a currency other than the functional currency of NXT, the fair value of this derivative financial instrument is required to be reflected as a derivative on the balance sheet. The amount recorded for this instrument, which is included with current liabilities, will be adjusted to fair value at each period end over the life of the Warrants, with the changes in fair value reflected in earnings.

Financial instruments that are recorded at fair value on a recurring basis are required to be classified into one of three categories based upon a fair value hierarchy. The Company's only financial instruments recorded at fair value on a recurring basis are the US dollar denominated warrants. NXT has classified these derivative financial instruments as level III where the fair value is determined by using valuation techniques that refer to both observable and unobservable market data. The valuation model was based on the Black-Scholes inputs noted below, as well as a discount to reflect the potential dilution impact upon exercise of the warrants and NXT's low stock market liquidity.

A continuity of the fair value of derivative instruments balance is as follows:

	6 months ended June 30, 2013	Year ended December 31, 2012
Balance, start of the period	\$ 241,000	\$ -
Value attributed to US\$ common share purchase warrants issued in 2012 Financings (see note 7(ii))	-	409,143
Change in fair value during the period	(140,000)	(168,143)
	\$ 101,000	\$ 241,000

The value attributed to warrants that were issued in the 2012 Financings was calculated at issuance in 2012, and re-valued at each period end thereafter, using the Black-Scholes valuation model utilizing the following weighted average assumptions:

	For the six months ended June 30,	
	2013	2012
Expected dividends paid per common share	Nil	Nil
Expected life in years	0.5	1
Expected volatility in the price of common shares	59%	80%
Risk free interest rate	1.0%	1.2%
Weighted average fair market value per warrant issued	n/a	US \$ 0.08

13. Income tax expense

NXT periodically earns revenues while operating outside of Canada as a non-resident within certain foreign jurisdictions. Payments made to NXT for services rendered to clients in such countries may be subject to withholding taxes, which are only recoverable in certain circumstances. For the six month period ended June 30, 2013, NXT recorded foreign withholding taxes of \$399,546 (2012 - \$209,614) on a portion of its revenues that were generated on international projects. Although such foreign taxes incurred can potentially be utilized in Canada as a foreign tax credit against future taxable earnings from the foreign jurisdictions, a full valuation allowance has been provided against this benefit.

14. Changes in non-cash working capital

The change in non-cash working capital is comprised of:

	For the three months ended June 30,		For the six months ended June 30,	
	2013	2012	2013	2012
Net change related to:				
Accounts receivable	994,211	468,856	216,109	(281,635)
Work-in-progress	-	840,302	976,463	1,062,660
Prepaid expenses	(3,697)	(54,145)	(43,562)	(104,404)
Accounts payable and accrued liabilities	(349,125)	(245,142)	(966,783)	(670,975)
Deferred revenue	-	(1,221,410)	(317,103)	(1,776,496)
	<u>641,389</u>	<u>(211,539)</u>	<u>(134,876)</u>	<u>(1,770,850)</u>
Portion attributable to:				
Operating activities	641,389	(211,539)	(134,876)	(1,770,850)
Financing activities	-	-	-	-
Investing activities	-	-	-	-
	<u>641,389</u>	<u>(211,539)</u>	<u>(134,876)</u>	<u>(1,770,850)</u>

15. Commitments and contingencies

NXT has an operating lease commitment on its Calgary office space for a term through April 30, 2015 at a minimum monthly lease payment of \$28,571 (including estimated operating costs). As at June 30, 2013, the estimated remaining minimum annual lease commitment is as follows:

	for the year ending December 31	total minimum lease payments
2013		\$ 152,191
2014		304,382
2015		<u>101,461</u>
		<u>558,034</u>

NXT currently does not own any of the aircraft which are used in its' survey operations, but has an annual agreement (which expires in January, 2014) to utilize a minimum annual volume of aircraft charter hours. The contract has a minimum commitment of \$317,000 for 2013, of which \$nil has been met as at June 30, 2013.

16. Geographic information

NXT conducts all of its survey operations from its head office in Canada, and has a one person administrative office in Colombia. NXT has no long term assets outside of Canada. Revenues were derived by geographic area as follows:

	For the three months ended June 30,		For the six months ended June 30,	
	2013	2012	2013	2012
Pakistan	\$ -	\$ -	\$ 2,659,292	\$ -
South America	-	1,717,863	-	4,533,183
Central America (Belize, Guatemala)	-	677,000	24,803	677,000
	-	2,394,863	2,684,095	5,210,183

The Company's revenues were derived almost entirely from one or two clients in each of the above noted periods.

17. Other related party transactions

NXT retains as legal counsel a law firm of which one of its Directors is a partner. For the six months ended June 30, 2013, NXT incurred legal fees and share issuance costs totalling \$9,500 (June 30, 2012 - \$63,269) with this firm, for which a total of \$9,163 is included in accounts payable as at June 30, 2013 (December 31, 2012 - \$11,112).

Accounts payable and accrued liabilities includes a total of \$10,811 (December 31, 2012 - \$63,820) related to re-imbusement of expenses owing to persons who are Directors and Officers of NXT.

To date in 2013 (including one issuance subsequent to June 30, 2013), NXT issued the following stock options (with a term of 5 years and 3 year vesting) to certain of its Directors and Officers:

	date issued	exercise price	# of stock options
NXT Director	January 25, 2013	\$ 0.76	150,000
NXT Officer	April 1, 2013	\$ 0.66	150,000
NXT Directors	July 5, 2013	\$ 0.86	52,500
			352,500

