

GRAPHENE & SOLAR TECHNOLOGIES LTD**and Australian Division****Global Advanced Energies Townsville (GAET)****US\$250 Million Production Factory Complex Project****Initial Funding as Equity US\$100 Million**

GRAPHENE & SOLAR TECHNOLOGIES LTD (OTC:GSTX)
& Global Advanced Energies Townsville (GAET), its Australian Division.

Graphene & Solar Technologies Ltd is a US public company (OTC:GSTX) and Global Advanced Energies Townsville (GAET) is the operational division of GSTX. The GSTX main assets are located in Queensland, Australia, with the new GAET production factory complex located at the Townsville Port Authority, the main North Australian international shipping terminal.

Since 2007, GSTX has been an established supplier of essential manufacturing materials, High Purity Quartz (HPQ), for the high-end electronics, semi-conductor and solar photovoltaic industries. New substantial cash flows from the GAET production factories, will enable GSTX to implement the latest emerging technologies for its new production factory operations.

In addition to the production of High Purity Quartz Sand (HPQS), GSTX with its technology partner in the 2D Nano-material Graphene, will pursue the rapidly growing alternative solar and green energy markets. When enabled with Graphene, existing silicon (quartz) materials gain additional, increased properties never before achievable. This will result in new Graphene-based Solar Cells, Graphene enabled thin film solar tiles, and 2D Nano-material deposition enabled important segments of the micro-electronics markets and facilitate the rapid development of such products as electric vehicle components and next generation powerful new alternative technology batteries.

1. GSTX - THE COMPANY

Graphene & Solar Technologies Ltd (GSTX), completed an Asset Sale/Share Exchange purchase takeover of Vanguard Energy Corp (OTCQX: VNGE) on July 31, 2017. Based upon a previous cash offer for the 14 million tonne Quartz Hill High Purity Quartz (HPQ) Mine from the Korean/German No.1 Global PV solar panel manufacturer Hanwha, the value of the asset purchase (un-processed feedstock) was mutually agreed upon at US\$530 million. This value was also previously confirmed by an independent third-party agency, however, due to SEC GAAP rules the company is prevented from showing this asset on its books at this considerable market value.

GSTX maintains its US Corporate headquarters in California, with the Australian office in Melbourne, Australia. The GSTX main operational facilities, managed by its Australian division Global Advanced Energies Townsville (GAET) at the Townsville Port Authority. The Port of Townsville is 2000-3000 km closer to the Chinese, Korean, and all Southeast Asian markets than the Sydney and Melbourne shipping terminals.

Form S-1 Registration Statement - Accepted by SEC

In 2018 Solar Quartz Technologies was renamed Graphene & Solar Technologies Ltd, whereby Corporate SEC Counsel, Troy Gould of Los Angeles California, filed a GSTX Uplift application in October 2019 for approval to trade on OTC: QB that was accepted by OTC Market Exchange.

Troy Gould also filed a Form S-1 Registration Statement in 2019 seeking SEC approval for GSTX to issue 25 million new free trading common shares at a face value of up to \$4.00. The SEC accepted the GSTX Form S-1 Registration statement shortly after filing,

without further review. An updated S-1 Registration statement will be filed to support an application to trade on the NASDAQ exchange.

In order to support previously obtained orders for unprocessed HPQ silica sales to Asian markets and to generate early revenues, the company is planning a mezzanine funding of a \$10M convertible debenture (which will convert at a 20% discount into the company's planned NASDAQ public S1 offering).

GSTX has no debt secured or otherwise, apart from current operational liabilities. As stated earlier, GSTX also has real assets in excess of \$530 million.

2. GSTX - BUSINESS OVERVIEW

Value-added processing of the company's wholly owned HPQ mine-site feedstock into high purity quartz sand/powder ("HPQS") is the first production factory priority. HPQS is vitally important in the production of semi-conductor tool-ware, wafers, and solar grade polysilicon used in solar photovoltaic cells and in fact all high-end electronics applications. Including GSTX there are only four (4) commercial grade suppliers globally with the capability to source such HPQS material with industry standard level of purity and chemical composition. Industry demand for HPQS always exceeds available supply. GSTX together with its long-term associate companies provides essential primary materials to the semiconductor, solar industry, and high-end electronics industries.

Key Reasons to Invest: High Purity Quartz (HPQ) and electronics /semiconductor grade High Purity Quartz Sand (HPQS) are the superior essential materials needed for the manufacture of semi-conductors and photovoltaic (PV) solar panels, and all advanced electronics. HPQS is an essential material used in the manufacture of **semi-conductors, advanced halogen lighting, telecom fibre optic cables, and the micro-electronics industry**. HPQS and HPQ are also required for producing epoxy moulding compounds tool-ware (EMC) used in manufacturing most electronic semi-conductors. This sector is **a major growth technology, especially in the field of electric vehicles, auto-electronics, and 5G telecommunications**. Rapidly evolving Electric Vehicle components are also high growth products requiring materials developed from the GSTX HPQ mine-sites. These products cannot be successfully manufactured without reliable supplies of consistent high-purity industry standard HPQS, and some silicon based advanced combination materials. GSTX is one of only a handful of companies globally that can consistently meet the demanding HPQS production standards.

GSTX is not a "start-up" as it has been operating from Townsville for 10 years establishing many valuable and close business associations with local authorities and suppliers. GSTX has also utilized the services of NORDEV Contract Miners, a major Townsville based Contract-mining company, for the last 8 years which will allow for

substantially lower capital costs and forecastable operating costs. We expect Cash Flow break-even on the first phase build out to be within 12 months of initial HPQS Factory production.

GSTX is fortunate in owning its own guaranteed supply of raw HPQ silica material for value-added conversion into solar/electronics grade HPQS. Feedstock from the GSTX two high purity quartz deposits of 99.9% ultra-pure raw Quartz are as follows:

- White Springs deposit (Estimated 1.5 million tonnes), located 300 miles inland from the major Queensland coastal shipping port of Townsville.
- Quartz Hill deposit (AusIMM JORC) conservatively estimated as an inferred resource of 14 million tonnes, located 250 miles inland from Townsville. Geologists estimate additional drilling may potentially confirm 25 million tons.

The White Springs material is ideal for processing into solar and electronics grade HPQS. The available tonnage from both deposits indicate sufficient reserves for 25 years of production processing into HPQS. The Quartz Hill material is also suitable for processing into optical grade HPQS, as well as polysilicon metal for Solar Cells and semi-conductors, with estimated reserves given the growth assumptions of nearly 45 years.

3. Established Comparative Valuation - Sumitomo Japan invest in Russian Quartz (RQ) via equity purchase.

In 2015/2016, Sumitomo Japan completed its purchase of a 28% equity stake for US\$52 million in one of the other three (3) HPQS manufacturing factories, known as Russian Quartz (RQ). This producer has significant disadvantages compared to the GSTX operations, some of which are as follows:

- a) RQ factory only produces 3,000 tonnes per annum (tpa). Sumitomo plans to increase HPQS production to 10,000 tpa.
- b) RQ factory located in the Arctic Circle can only operate three months of the year.
- c) RQ silica deposits are 30 - 90 meters underground, with substantially higher mining and recovery costs.
- d) RQ deposit is fractionally less pure than White Springs Silica, with extra purification and processing costs.

By comparison, the GSTX HPQ deposits allow for low cost open cut surface mining or essentially quarrying, that can be operational year-round 24/7 in ideal climate conditions. In addition, the new GSTX HPQS factory will be capable of producing in the near term 50,000-100,000 tons of HPQS per year.

The Sumitomo purchase firmly established a minimum value of nearly US\$200 million for the Russian Quartz operations in 2015. The GSTX HPQS processing operations (when fully operational), combined with GSTX's solely owned silica asset reserves at White Springs and Quartz Hill, clearly indicates a significantly higher Market Value for GSTX.

4. \$250 Million GAET Project - First US100 Million Factory Financing

GSTX will seek an initial US\$100 million factory financing in a single equity raise via an IPO on the Nasdaq to complete establishment of its new commercial scale state-of-the-art HPQS production factory complex in Townsville, Queensland. Subsequent financing (up to \$150 million) have been applied for from the Australian Government Clean Energy Finance Corporation (CEFC) and the North Australian Infrastructure Fund (NAIF) for low interest funds from these multi-billion-dollar agencies. The new factory complex initially commences operations establishing an innovative and technologically advanced HPQS "clean room" processing and production factory designed to meet the increased global demand for semi-conductor electronics and solar grade HPQS. The planned NASDAQ capital markets uplift is also scheduled as an IPO to raise \$100 million.

Use of Funds in the aggregate is as follows:

(details provided in the detailed financial forecast provided in the drop box)

	2020	2021
CapEX	\$25M	\$35M
OpEX / WC	\$10M	\$30M

5. Global Advanced Energies Townsville (GAET) - Production Factories

GAET is the main Australian division of GSTX and is the main corporate operational facility of GSTX. The GAET project is establishing a HPQS manufacturing facility in Australia at the new GAET Townsville facility designed to initially produce 50,000 tonnes of solar and electronics grade HPQS annually, increasing to 150,000 tonnes annually in the third year of operations. The GSTX technical team has worked closely together for 12 years, and our long-term German associate was directly involved in the establishment of two of three existing HPQS factories in Norway and Russia.

The new GAET Townsville multi-production factory complex (2.5 acres undercover) is scheduled to cost \$250 million when fully completed. However, GSTX is seeking \$100

million from the North American Capital Markets to establish the first stage of its new commercial scale HPQS production Factory. This will include pre-processing facilities for sales of un-processed mined quartz from the company's wholly owned High Purity Quartz (HPQ) nearby mine-sites. There is an established substantial Asian demand for the unprocessed HPQ. Operating Cash Flow positive for this initial phase will be achieved within 9 months largely from sales of unprocessed HPQ.

The company is also seeking additional funding from two \$3 Billion Australian Government programs specifically funded to provide low cost Government grants and loans to expand job growth and expanded Industrial development in the Townsville region. This initiative is of vital political importance for the Australian Federal Government.

When completely built out the GAET Townville factory complex will include:

1. The HPQS low-end sales processing Factory and the HPQS Clean Room facilities for solar and semi-conductor electronics grade HPQS production.
2. The Graphene Manufacturing Factory and Graphene Research & Development Centre for additional Graphene enabled applications (see section 10 below).
3. The Graphene enabled "Thin/Thick Film" electronics and solar Production Factory with Graphene enabled surfacing capabilities and encasing capabilities (see section 9 below).

Shipping and distribution facilities will be located at GAET to supply existing sales orders from the increasing global demand from the expansion of utility scale solar farms worldwide, and from the expanding semi-conductor industry for next generation Nano-chips, production tool-ware to meet increasing demand from the micro-electronics industry, and electric vehicle components and next generation battery development alternatives to Lithium Ion batteries.

6. High Purity Quartz Sand (HPQS) – Essential Material in Photovoltaic (PV) Solar & All High-End Electronics and Semiconductors.

HPQS production worldwide is from three (3) main commercial scale factories capable of processing solar and electronics grade HPQS. The GSTX technology team and their closely allied HPQ associates have a proven track record of the production capability of processing industry standard Solar & Electronics Grade HPQS.



PV Solar Crucible

PV Solar Panels

Raw HP Quartz

HPQS sand

Without adequate supplies of HPQS with the correct purity and chemical composition, solar panels and high-end electronics **cannot be produced**. HPQS is currently only produced in commercial grade quality and quantities by three factories globally (USA, Norway and Russia) only producing 60% of global requirements. With its world class HPQ and proven processing expertise and a long successful track record of producing Industry standard HPQS, GSTX is ideally positioned to become the major global supplier of this critically important material, to the rapidly expanding solar, semiconductor, and electronic component sector.

A Video Explanation of the CZOCHRALSKI process for silicon wafer production for Solar PV cell and Electronics Semi-conductors from HPQS is as follows:

<https://www.youtube.com/watch?v=xftnhfa-Dmo>

High purity quartz sand is priced conservatively between US\$7,000- US\$12,000 per tonne depending upon product purity and availability. Quartzware products, including solar crucibles, increase this value up to US\$13,000 per ton. The majority of HPQS for solar crucibles sell with high gross margins, typically averaging 80%.

The global solar & semi-conductor markets demand are at unprecedented levels and record pricing. In 2018 the combined market for these Quartzware products was \$2.27 Billion, with Solar's CAGR at 20%-30%, and the Semi-conductor CAGR predicted to grow consistently at 5-6% annually for the foreseeable future.

It should be noted that the solar markets are also being significantly driven by the advent of new combination materials for solar, including perovskites, graphene, indium tin oxides, etc. These applications are largely driven by the global demand for more efficient solar cells with potential generating capacity of 40% to 50% and the rapidly expanding electric vehicle, micro-electronics and new alternative batteries production markets. These new combined material markets still predominately rely upon solar and electronics grade Silicon as the primary production material. The demand in these segments is expected to double over the next three years (by 2022).

7. Quartz Crucible Manufacturing

GSTX will also manufacture high purity quartz crucibles for the global solar and semiconductor markets. A quartz crucible is a large Quartz bowl used to melt silica at up to 2000 degrees Centigrade, for the production of silicon for solar cells and electronics tool-ware. It is not a high-tech production process.

The HPQ products are high margin production items. A crucible production cost is approximately US\$425 for solar grade and US\$600 for electronics grade, with a sale price of US\$800 for solar grade and up to US\$4,200 for semiconductor grade. The company will focus heavily on the electronics/semi-conductor market where margins are significantly higher due to the specialised production techniques and lack of HPQS product availability.

8. Graphene Factory Production – The New 2D Nano Wonder Material

The development of graphene enhanced combination PV silicon materials is currently one of the most intensive areas of research and development attracting major interests from most global Universities including MIT, who are developing Graphene Solar panels.

GSTX is also focused on developing new Graphene applications including Graphene enabled solar panels, high-end electronics and alternative energy applications. Graphene is recognised as the most important industrial discovery of recent times, being awarded the Nobel prize in 2010 for its 2004 discovery. Graphene is widely acknowledged as the new “wonder” material with its extraordinary properties enabling the development of many new products and high-end electronic applications not previously thought possible before the advent of Graphene.

GSTX signed a joint-venture development agreement with NanoGraphene Inc. (NGI), a New York based pioneering manufacturer of pure organic Graphene with five (5) years production experience. GSTX also recently secured a portfolio of Israeli “Thin Film” patents to complement its efforts in Graphene nanoparticle deposition for Solar cells and solar panels, including advanced electronics applications.

Following extensive evaluation of the revolutionary new super Nano-material 2D Graphene (2D-length & width, only one atom thickness), in 2018, GSTX also focused on the enormous potential of using the new super strength (200 X stronger than Steel, 300 X more conductive than Copper, harder than Diamond) material to enhance the productivity and performance of conventional PV solar panels developing new combination photovoltaic and nanomaterial combinations to achieve increased power generation of up to 30%+ from PV Graphene enabled solar modules. This includes development and commercialisation of various graphene fabrication methods, including but not limited to deposition technologies, exfoliation technologies, nanostructure growth technologies, nanocrystal growth technologies, novel electron transport

mechanisms/materials, novel composite structures or materials where they have application to the fields defined above. In October 2018 GSTX also formed an initial Joint Venture with NanoGraphene, (NGI) a New York pioneer manufacturer with 5 years' experience manufacturing pure organic graphene. NanoGraphene (NGI) is also a significant developer of leading-edge graphene enabled high-tech applications including 3D home printing and high-strength Graphene enabled concrete.

The Principal of Nanographene also has 15 years of experience in the design, construction and establishment of several thin-film solar production factories throughout USA, Europe and Asia.

With conventional thin-film solar now achieving in excess of 22% efficiency, the enabling of thin film solar with graphene for increased productivity, durability, lower cost and significantly less weight, clearly provides many new applications and sales opportunities not available for conventional heavy steel framed PV solar panels.

The GSTX / NGI Graphene Joint Venture will also focus on the early stage development of new Graphene enabled photovoltaic solar modules, including graphene enabled thin-film solar panels, and new applications of graphene enabled conventional solar photovoltaics, semiconductor electronics, electronic sensors, and opto-electronics. Efforts will be devoted to the development and commercialisation of evolving new graphene fabrication methods, advanced deposition technologies, exfoliation technologies, nano-structure growth technologies, nanocrystal growth technologies, electron transport mechanisms/materials, and novel composite structures or materials with specifically relative application to the fields mentioned above. The GSTX acquisition of the Cima-Nanotech and Cima Specialty Materials operational Thin Film patents greatly complements the above initiatives.

9. Sales History and Activities underwriting Financial projections

The Company has maintained business offices in Shanghai, China for six years and longer-term in Singapore establishing many valuable relationships. Our Sales teams' efforts from 2007 through today, have been extensive at all levels in Japan, China, Korea, and Taiwan. Prior HPQ transactions with Misui, Samsung, LG, Toyota Toshu, GCL, GE/Momentive, Tokuyama and Marubeni, as examples, have been discussed and negotiated over the years establishing many valuable contacts. In addition, all trade associations that have been maintained.

An extensive Purchaser Contact List database has been retained and maintained by the company, of HPQ product end users, Commodities Trading Houses, PV solar panel and Crucible manufacturers, containing private contact details of 150 HPQ customers and of HPQ technical and industrial manufacturers and specialty application uses of HPQ.

In addition, a comprehensive list of non-technical industrial HPQ customers, including some Chinese companies regarded as the largest end-users of un-processed raw quartz in the world.

Provided we can supply HPQ product, extensive experience confirms that customers are readily and consistently available. Traditionally during the last 15 years we have never experienced any difficulty in obtaining substantial HPQ purchase orders. The first order received in 2007 was for \$1 billion from Dr Shi of Suntech Power in Wuxi China. The order was for one million tons of unprocessed mined quartz direct from the mine to Suntech in China. Fortunately securing sales orders has never been a problem, more often being able to supply the product has been, but now we will have no such problems considering the enormous reserves (15 million tons plus) of HPQ wholly owned by GSTX.

10. FINANCIAL PROJECTIONS - GAET HPQS and other Business Units

The following tables show projected Returns, Revenue, & Net income for the first 5 years:

FINANCIAL SUMMARY OF GSTX/GAET OPERATION – CONSOLIDATED AUG 2020

1: GSTX PROJECT SUMMARY OF EBIT/NPV/IRR & FUNDING – 5 YEARS (USD 000's)

Graphene & Solar Technologies Limited <i>(incorporating Australian Division Global Advanced Energies Townsville Limited ("GAET"))</i>								
SUMMARY EBIT/NPR/IRR: 5 Year Financial Forecasts - Projects (USD 000's)								
NPV/IRR	WACC % 7.0%		Total Funding	EBIT				
Projects	NPV:5 Year	IRR	(5 Years)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
High Purity Quartz & Quartzware	\$1,297,087	135%	(\$76,000)	(\$272)	\$132,064	\$311,765	\$565,781	\$695,478
Graphene	\$116,651	81%	(\$18,500)	(\$872)	\$23,681	\$29,189	\$40,742	\$58,728
Green Energy	\$72,726	37%	(\$29,500)	(\$1,438)	\$14,110	\$19,922	\$27,147	\$34,746
Global Advanced Energies Townsville Corporate & Project Planning	(\$12,727)	-	(\$29,000)	(\$1,788)	(\$3,033)	(\$3,547)	(\$3,653)	(\$3,822)
Global Advanced Energies Townsville Consolidated	\$1,473,736	98%	(\$153,000)	(\$4,370)	\$166,822	\$357,329	\$630,018	\$785,130

2: GSTX Project Summary of Sales/COGS/GM/Expenses/EBIT – 5 years (USD 000's)

Graphene & Solar Technologies Limited (incorporating Australian Division Global Advanced Energies Townsville Limited ("GAET")) REVENUE/GROSS MARGIN SUMMARY: 5 Years Financial Forecasts - Projects (USD 000's)						
	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	
Projects Revenue:						
High Purity Quartz & Quartzware	\$6,848	\$214,354	\$427,531	\$763,078	\$933,968	
Graphene	\$880	\$33,462	\$41,642	\$55,681	\$77,211	
Alternative Clean Energy	\$373	\$25,785	\$34,168	\$44,373	\$54,935	
Projects Revenue Total:	\$8,100	\$273,601	\$503,341	\$863,132	\$1,066,114	
Total Cost of Goods						
High Purity Quartz & Quartzware	\$3,145	\$58,208	\$100,736	\$178,621	\$217,130	
Graphene	\$152	\$5,558	\$6,650	\$8,550	\$11,400	
Green Energy	\$109	\$7,770	\$10,150	\$12,950	\$15,750	
Total COGS	\$3,406	\$71,535	\$117,536	\$200,121	\$244,280	
Gross Margins :						
High Purity Quartz & Quartzware	\$3,702	\$156,147	\$326,795	\$584,457	\$716,838	
Graphene	\$728	\$27,905	\$34,992	\$47,131	\$65,811	
Alternative Clean Energy	\$264	\$18,015	\$24,018	\$31,423	\$39,185	
Total Gross Margin	\$4,694	\$202,066	\$385,805	\$663,011	\$821,833	
Gross Margin% of Sales	74%	71%	70%	70%	72%	
Total Operating Expenses	\$ 9,064	\$ 35,244	\$ 28,476	\$ 32,993	\$ 36,703	
Total Net Income Before Int & Taxes (EBIT)	(\$4,370)	\$166,822	\$357,329	\$630,018	\$785,130	

3. GSTX Project Summary of Cash Flows Forecast: – 5 years (USD 000's)

RECEIPTS & DISBURSEMENTS	CONSOLIDATED	Total	Total	Total	Total	Total
Forecast	USD 000's	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
BEGINNING CASH		\$0	\$35,813	\$138,350	\$364,305	\$741,862
Receipts						
Product revenues collections		\$3,337	\$190,703	\$506,412	\$802,363	\$1,031,251
Investor/Debt Funding		87,500	\$48,000	\$0	\$0	\$0
Project Revenue		\$90,837	\$238,703	\$506,412	\$802,363	\$1,031,251
Total operating expenses		\$22,347	\$102,988	\$168,877	\$247,276	\$295,766
Net Profit before Taxes		(\$19,010)	\$87,715	\$337,535	\$555,087	\$735,485
Capital Expenditure	Plant & Equipment Purchases	(\$32,676)	(\$10,831)	(\$8,085)	(\$9,101)	(\$16,615)
Funding		\$87,500	\$48,000	\$0	\$0	\$0
Total Taxes		\$0	(\$22,347)	(\$103,495)	(\$168,429)	(\$223,055)
Ending Cash		\$35,814	\$138,350	\$364,305	\$741,862	\$1,237,677

4. GSTX Project Summary of Forecasted Balance Sheet: – 5 years (USD 000's)

BALANCE SHEET Projects		CONSOLIDATED	Total	Total	Total	Total	Total
Forecast		USD 000's	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
ASSETS							
Current Assets							
	Cash		\$35,813	\$138,350	\$364,305	\$741,862	\$1,237,677
	Gross Accounts Receivable (60 days)		\$4,760	\$87,468	\$83,890	\$143,855	\$177,686
	Allow for Doubtful Accts (0.1%)		\$5	\$87	\$84	\$144	\$178
	Net Accounts Rec		\$4,756	\$87,380	\$83,806	\$143,711	\$177,508
	Inventory (30 days)		\$1,558	\$9,186	\$16,008	\$22,411	\$34,377
Total Current Assets			\$42,127	\$234,917	\$464,119	\$907,984	\$1,449,562
Gross Fixed Assets							
	Computer Hardware		\$198	\$379	\$425	\$481	\$544
	Computer Software		\$98	\$183	\$205	\$232	\$262
	Furniture & Fixtures		\$80	\$145	\$161	\$180	\$202
	Production Plant, Equipment		\$32,300	\$42,800	\$50,800	\$59,800	\$74,300
Total Gross Fixed Assets			\$32,676	\$43,506	\$51,591	\$60,692	\$75,307
Accumulated Depreciation			\$2,402	\$10,425	\$20,848	\$32,980	\$47,941
Intangibles							
	Pre-Operational expenses		\$10,000	\$10,000	\$10,000	\$10,000	\$10,000
Net Fixed Assets			\$40,273	\$43,081	\$40,743	\$37,712	\$37,366
TOTAL ASSETS			\$82,400	\$277,998	\$504,861	\$945,695	\$1,486,928
LIABILITIES							
Short Term Liabilities							
	Accounts Payable (30 days)		\$1,752	\$9,494	\$10,052	\$16,628	\$20,417
	Salaries Payable (15 days)		\$318	\$501	\$568	\$637	\$722
	Taxes Payable (90 days)		\$0	\$24,108	\$26,462	\$46,989	\$58,689
	Current Portion of Long Term Debt		\$17,500	\$27,100	\$22,480	\$17,500	\$13,080
Total Short-Term Liabilities			\$19,570	\$61,202	\$59,563	\$81,755	\$92,908
Long Term-Liabilities							
	Long Term Debt (5 years)		\$70,000	\$108,400	\$89,920	\$70,000	\$52,320
Total Long-Term Liabilities			\$70,000	\$108,400	\$89,920	\$70,000	\$52,320
TOTAL LIABILITIES			\$89,570	\$169,602	\$149,483	\$151,755	\$145,228
Equity							
	Paid in Capital						
	Retained Earnings		(\$7,170)	\$108,396	\$355,379	\$793,941	\$1,341,701
Total Equity			(\$7,170)	\$108,396	\$355,379	\$793,941	\$1,341,701
LIABILITIES & EQUITY			\$82,400	\$277,998	\$504,861	\$945,695	\$1,486,928

5: GSTX Project Summary of Staff Plans

STAFFING PLAN	CONSOLIDATED	Total	Total	Total	Total	Total
Forecast		FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Production						
Total Staff		24	58	67	81	97
Engineering/R&D						
Total Staff		18	24	26	27	27
Sales & Marketing						
Total Staff		18	38	41	45	51
Adnistration						
Total Staff		27	32	34	34	34
TOTAL EMPLOYEES		87	152	168	187	209

11. Addendum: GRAPHENE – Additional Information WEB LINKS

GSTX will develop and commercialise applications of graphene relating to the areas of photovoltaics, semiconductor electronics, electronic sensors, and opto-electronics, electric vehicle and new battery applications, micro-electronics, and the many new emerging graphene applications for medical use in stem cell connection and brain surgery to mention only a few.

This includes development and commercialisation of various graphene fabrication methods, including but not limited to deposition technologies, exfoliation technologies, nanostructure growth technologies, nanocrystal growth technologies, novel electron transport mechanisms/materials, novel composite structures or materials where they have application to the fields defined above.

The following table provides links to more detailed insights on Graphene and its applications.

GRAPHENE. - Informative Articles & Web-links		
Article #	Description	Document Link
1	MIT University - Graphene Solar Panels - SOLAR CELLS - Graphene	http://news.mit.edu/2017/mit-researchers-develop-graphene-based-transparent-flexible-solar-cells-0728
2	Graphene -2002(First) (73) Graphene & Supercapacitors with Dr. Richard Kaner and Grant Imahara - YouTube	https://www.youtube.com/watch?v=AwztJ9VaJd8
3	NanoGraphene: Green Graphene Manufacturer New York	Graphene & Solar Technologies - GSTX – New Joint Venture Partner 6th October 2018. http://nanographene.net
4	The top 10 uses of Graphene Ninithi.com	https://ninithi.wordpress.com/2015/08/11/the-top-10-uses-of-graphene/
5	Graphene Valley? Top 5 uses of Graphene that could change the world	https://www.azonano.com/article.aspx?ArticleId=3553

6	Graphene Solar Panels - SOLAR CELLS	https://uk.video.search.yahoo.com/yhs/search?fr=yhs-Lkry-SF01&hsimp=yhs-SF01&hspart=Lkry&p=Graphene#id=77&vid=30e3792d79ce468c239c15b196dff33b&action=view
7	How is Graphene Made & Various Technical	https://uk.video.search.yahoo.com/yhs/search?fr=yhs-Lkry-SF01&hsimp=yhs-SF01&hspart=Lkry&p=Graphene#id=26&vid=43c47b4762ede0d411f423a3a3a4c07d&action=view
8	Graphene: Patent surge reveals global race - BBC News	https://www.bbc.co.uk/news/science-environment-20975580
9	Silicene the Next Graphene?	https://arxiv.org/abs/1404.5691
10	GrapheneCA Products	https://drive.google.com/file/d/1aZALRuC-4Gf4LvrrpsYkzclOAebgdEmNN/view
11	LifeSaver and NGI to collaborate on graphene-enhanced water filtration system	https://www.graphene-info.com/lifesaver-and-ngi-collaborate-graphene-enhanced-water-filtration-system
12	Super-Charged Supercapacitors Could Enable Speedy Recharging - YouTube	https://www.youtube.com/watch?v=-NM0lWTfAv0
13	Graphene-perovskite-large-area-solar-cell-achieves-record-efficiency	https://www.graphene-info.com/graphene-perovskite-large-area-solar-cell-achieves-record-efficiency
14	MIT-receive-1500000-funding-doe-graphene-enabled-solar-applications-development	https://www.graphene-info.com/mit-receive-1500000-funding-doe-graphene-enabled-solar-applications-development
15	Samsung-completes-development-of-new-graphene-battery-might-power-flagship-phones-in-2019	https://appuals.com/samsung-completes-development-of-new-graphene-battery-might-power-flagship-phones-in-2019/
16	Samsung Graphene Batteries	https://www.graphene-info.com/samsung

12. EXTENSIVE DUE DILIGENCE & ADDITIONAL INFORMATION

GSTX INFORMATION DATAROOM WEB-LINK:

https://drive.google.com/open?id=1GnrgCevrSsli147XR-T4Vluug69GTdI2&authuser=kevin@gstx.ltd&usp=drive_fs

GSTX WEBPAGE LINK: www.gstx.solar

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