



TSX-V: **GGG** OTCQB: **GPHBF**

**Creating value
through innovative
graphene-based solutions.**



Investor Presentation

January 2021

Forward Looking Statements

This presentation may contain forward-looking statements. Forward-looking statements are statements that relate to future, not past, events. In this context, forward-looking statements often address a company's expected future business and financial performance, and often contain words such as "anticipate," "believe," "plan", "estimate", "expect", and "intend", statements that an action or event "may", "might", "could", "should", or "will" be taken or occur, or other similar expressions. By their nature, forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Such factors include, among others, the following risks: the risks associated with outstanding litigation, if any; risks associated with adoption by industries of graphene-based products health and environmental factors affecting adoption of these technologies; reliance on key personnel; the potential for conflicts of interest among certain officers, directors or promoters with certain other projects; the absence of dividends; competition; dilution; the volatility of our common share price and volume; and tax consequences to U.S. Shareholders. Forward-looking statements are made based on management's beliefs, estimates and opinions on the date that statements are made, and the Company undertakes no obligation to update forward-looking statements if these beliefs, estimates, and opinions or other circumstances should change. Investors are cautioned against attributing undue certainty to forward-looking statements. Further, although the effectiveness of proposed products or services is based on strong scientific evidence, the Company cannot guarantee the performance parameters of new products or services and their efficiency against specific microbes including all types of viruses and bacteria until testing is completed. Accordingly, the Company can not guarantee any outcomes of such testing on new products or services.

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Who We Are

About G6 Materials Corp.

- Strategically focused on serving the air filtration and purification market with new products to meet growing demand as a result of the global coronavirus pandemic
- Cash flow from graphene-based products in the market
- Numerous customers from among the Fortune 500 list of companies, as well as NASA and leading universities
- Valuable IP portfolio: 3 patents granted; 3 provisional patents; 5 patent applications filed
- New graphene-based applications identified to accelerate growth into the future
- Premium research lab and scalable production facility
- Deep understanding of graphene technology based on decades of aggregate team experience

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G6 Materials Corp. has shifted its primary strategic focus to satisfying customer demand for existing air filtration products and developing advanced purification solutions.

Graphene has extraordinary antiviral and antibacterial properties, thereby making the Company well-positioned to apply its expertise to gain market share.

Recent Highlights

January 2021: G6 Materials Corp. records strong 2Q21 financial results, featuring 383% revenue growth for the six-month period ending November 30, 2020

October 2020: G6 Materials Corp. reports record 1Q21 financial results, featuring highest revenues since inception and positive net income

August 2020: G6 Materials Corp. reports strengthening of IP portfolio (3 patents granted; 1 application filed)

August 2020: G6 Materials Corp. finalizes two-year marine composites research project

April 2020: G6 Materials Corp. develops disinfection products to fight the spread of COVID-19

January 2020: name changed to G6 Materials Corp. to better reflect updated corporate strategy and expanded business opportunity set



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Mission

To bring innovative graphene-based products to market and maximize the value of a strong IP portfolio.

Business Model

Identify customer needs and opportunities in the market for graphene-based solutions

Use industry-leading expertise through research and development to create better solutions with improved performance

Verify, test and analyze new product performance to mitigate risks and maximize customer satisfaction

Scale-up manufacturing and deliver products to industrial partners and/or end consumers

Additionally, monetize IP through manufacturing contracts, licensing arrangements, royalty structures or their outright sale

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About Graphene

A Material with Disruptive Potential

- Basis of the 2010 Nobel Prize for Physics
- At one-atom thick, it is one of the strongest materials on earth
- Extraordinary antiviral and antibacterial properties
- Beneficial for uses in nanotechnology
- Conductive properties via the free movement of electrons through it
- Adding 0.01%-0.50% to other materials can drastically improve their properties

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Primary Market Opportunity

Indoor Air Purity Matters, Especially Today



Time Spent Indoors

According to the Environmental Protection Agency, the average American spends 93% of their life indoors.



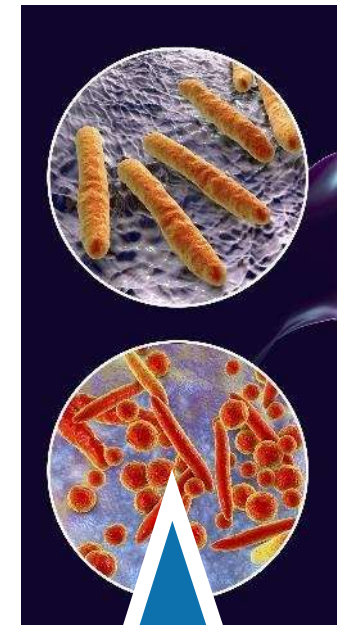
Indoor vs Outdoor

The levels of indoor air pollutants can exceed 100 times that of outdoor levels



Invisible Health Risk

230,000 Americans have died already from poor air quality in 2020*



Pathogens in the Air

The indoor air is a major medium for airborne pathogens like viruses, bacteria, and fungal spores

*Source: EPA, <https://www.epa.gov/clean-air-act-overview/progress-cleaning-air-and-improving-peoples-health>

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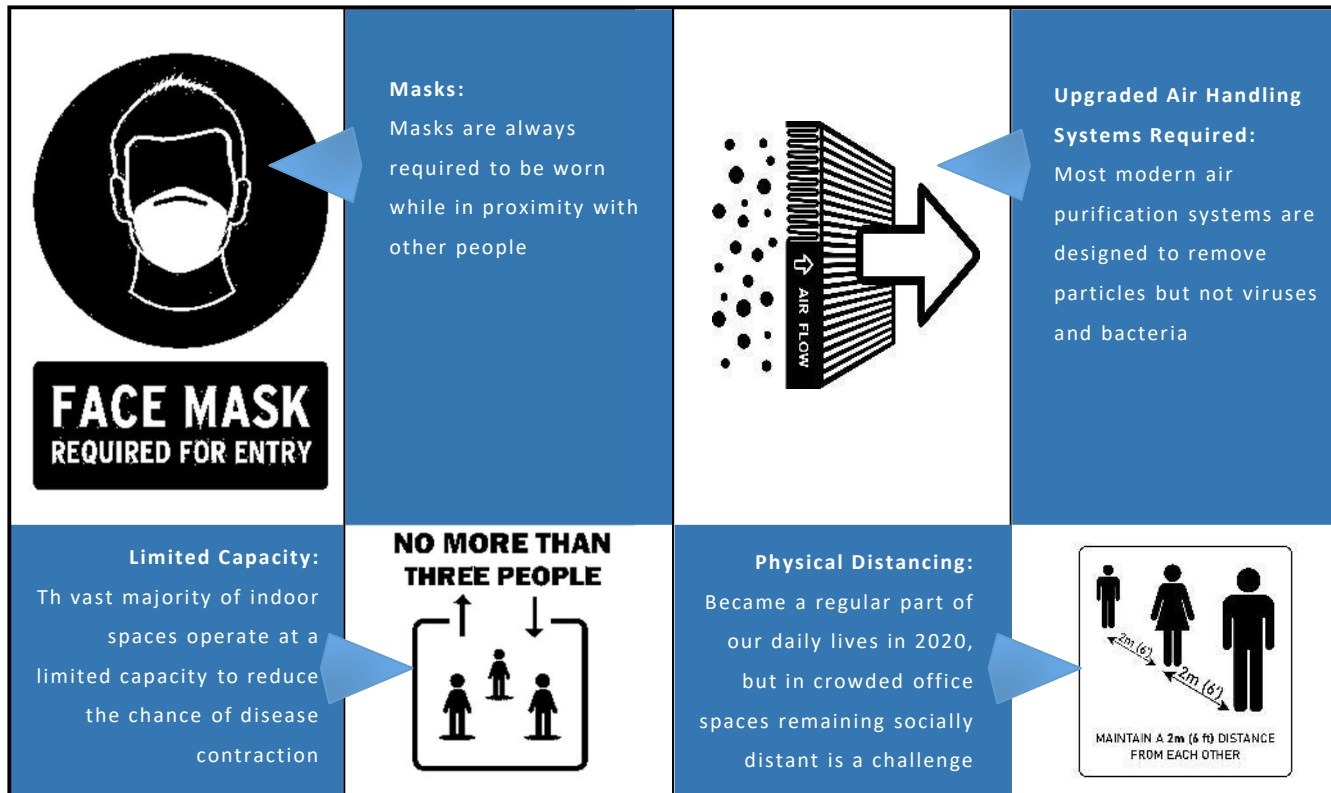
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Improving Indoor Air Quality During a Pandemic: Existing Solutions Are Incomplete

Social and Engineering-based Controls



PROBLEMS: Limited Effectiveness – Lack of Control – Hard to Enforce – Personal Discomfort

Need for New Solutions

Advanced Air Purification Systems

Global Lock-down:

Unprecedented measures taken to force most of the **world's population** to stay indoors more than usual.

Macro-Economic Shift:

Major economic impact as businesses face closures and bankruptcies, with record unemployment and the shift to a remote working environment.

Urgent need to improve indoor air quality:

ENVIROMENTAL
PROTECTION AGENCY:
“When used properly, air
purifiers can help reduce
airborne contaminants
including viruses in a home
or confined space.”

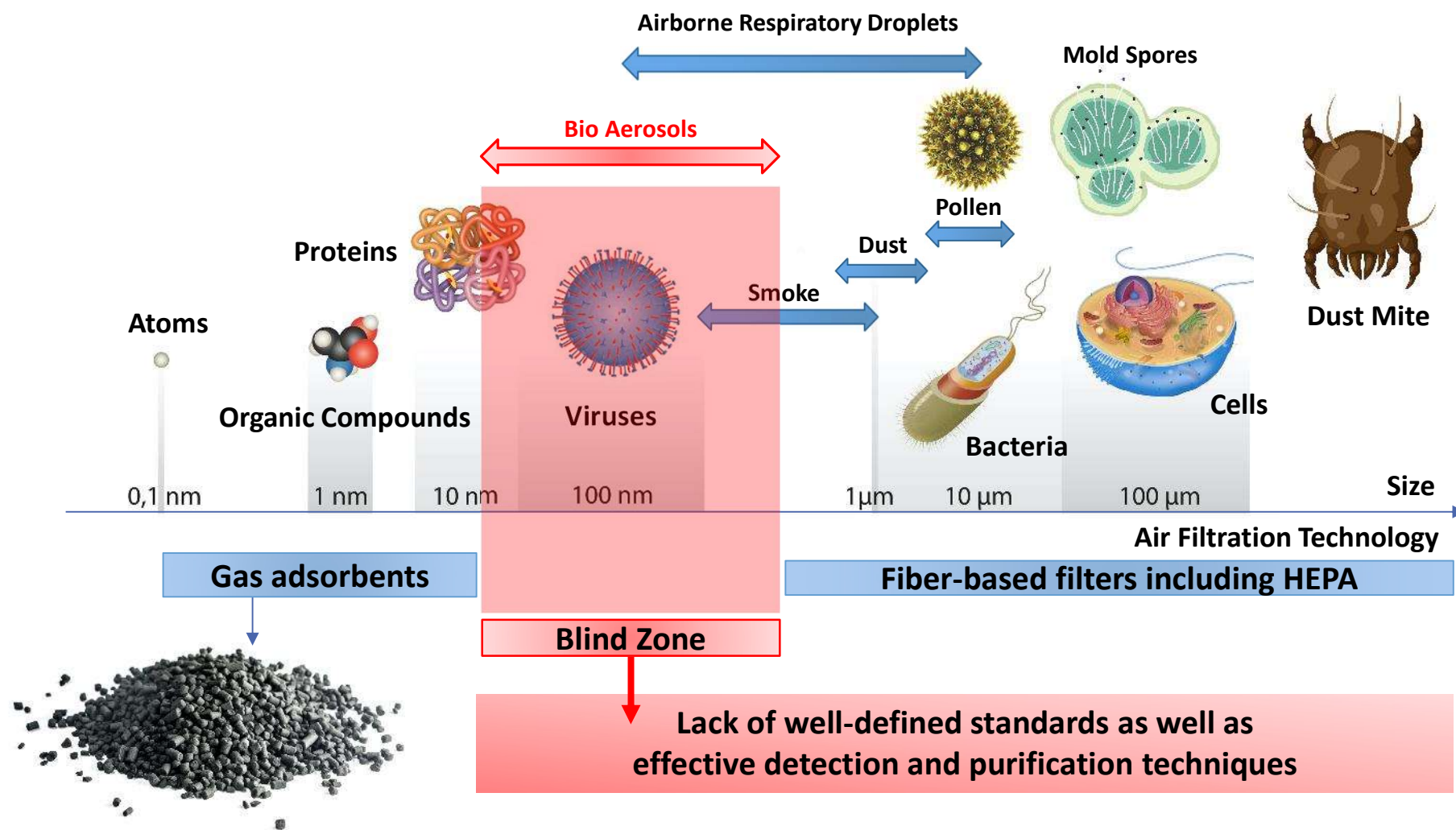
EPA website [Frequently Asked Questions about Indoor Air and Coronavirus](#)

COVID-19 Pandemic:
humankind has faced a unique
set of challenges in 2020



Types of Air Pollutants

Removal Techniques for Different Particle Sizes*



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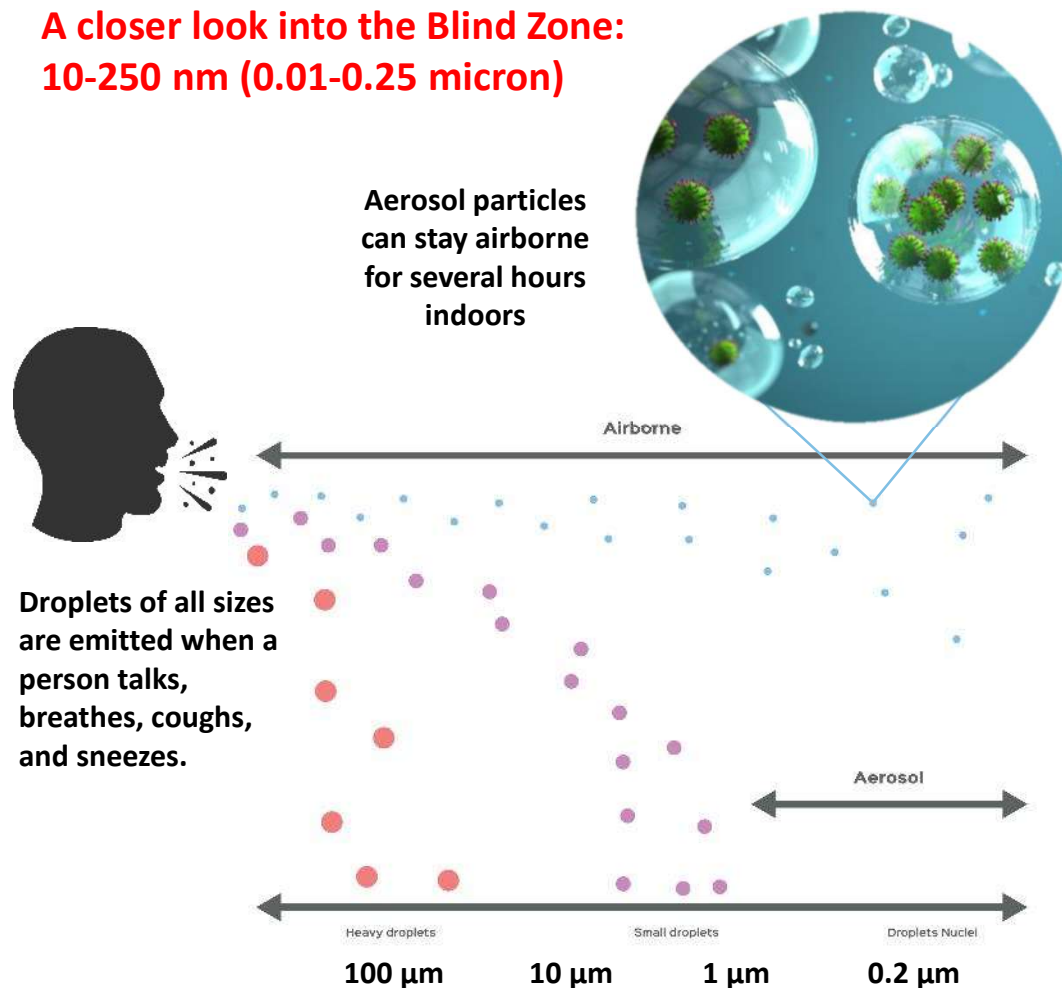
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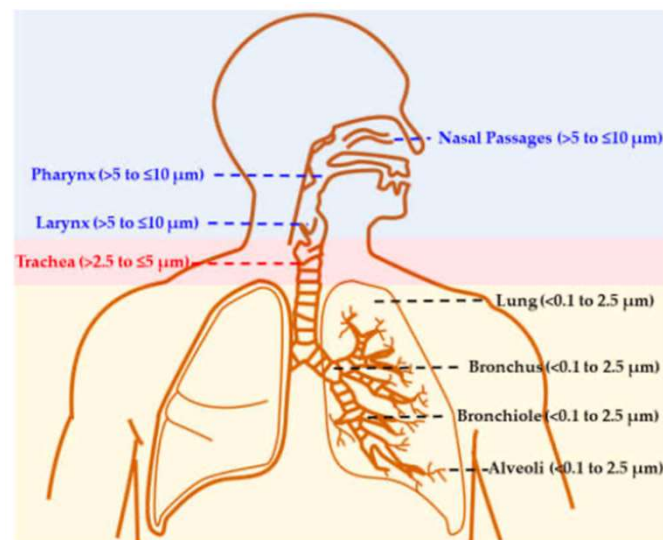
*Information on this page is summarized from scientific literature.

Bio Aerosols: Severe Health Risk

**A closer look into the Blind Zone:
10-250 nm (0.01-0.25 micron)**



Smaller particles penetrate deeper inside the lungs



Schematic representation of the respiratory system with the corresponding size dependent penetration of particles.

Bioaerosol Size Effect in COVID-19 Transmission.
Guzman M. (2020) DOI:
10.20944/preprints202004.0093.v1.

**An effective solution to remove infectious aerosol particles from indoor environments is urgently needed
= MARKET OPPORTUNITY TO DEVELOP ADVANCED AIR PURIFICATION PRODUCT(S)**

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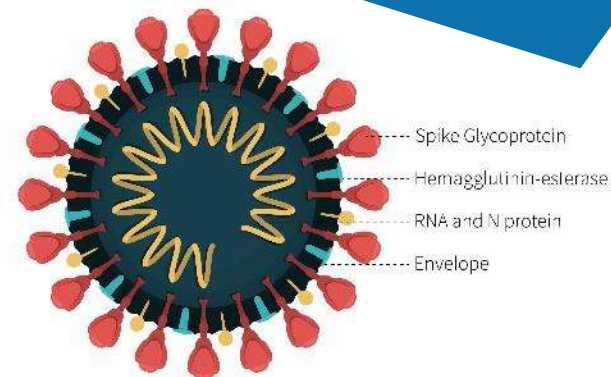


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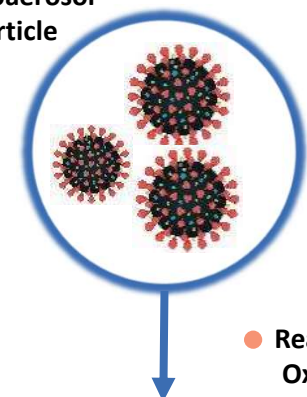
Our Proprietary Technology

Scientific Highlights*

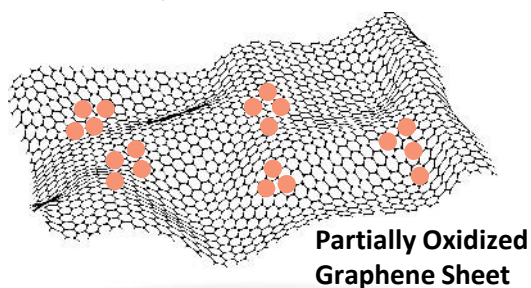
IP PROTECTION: Provisional Patent Application filed in April 2020



Bioaerosol particle



Reactive Surface Oxygen Groups

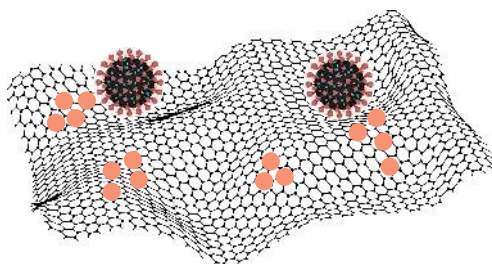


Partially Oxidized Graphene Sheet

Diffusion to surface

Step 1 - Capture

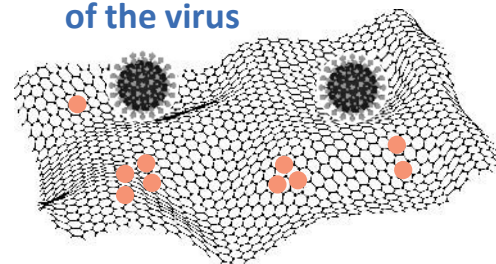
- Strong electrostatic interaction between graphene and microbes
- Hydrogen bonding
- $\pi - \pi$ interactions



Immobilization

Step 2 - Destroy

- Causes RNA leakage
- Imposes oxidative damage
- Damages the protective envelope and surface proteins of the virus



Inactivation

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**Information on this page is summarized from scientific literature.*

Air Purification Techniques

Antimicrobial Graphene Materials Upgrade Air Purification to Achieve Complete Protection

Pollutant Type (by Size)	GASES Volatile Organic Compounds (VOC)	ULTRA-FINE Viruses, Most Bacteria, Bioaerosols		FINE Pollen, Dust, Mites, Spores	G6's Filtration System
Method of Ultra-Fine Air Purification:		Capture	Destroy		
Ionizers	☒	☒	☒	☒	
UV/UVC Radiation	☒	☒	☒/✓	☒	
Gas Adsorbents (Activated Carbon)	✓	☒	☒	☒	YES
Fiber-Based HEPA Filters	☒	☒	☒	✓	YES
Graphene Air filtration Media	☒	✓	✓	☒	YES

Legend: ✓ - Good Protection, ☒- Limited Protection, ☒ - No Protection

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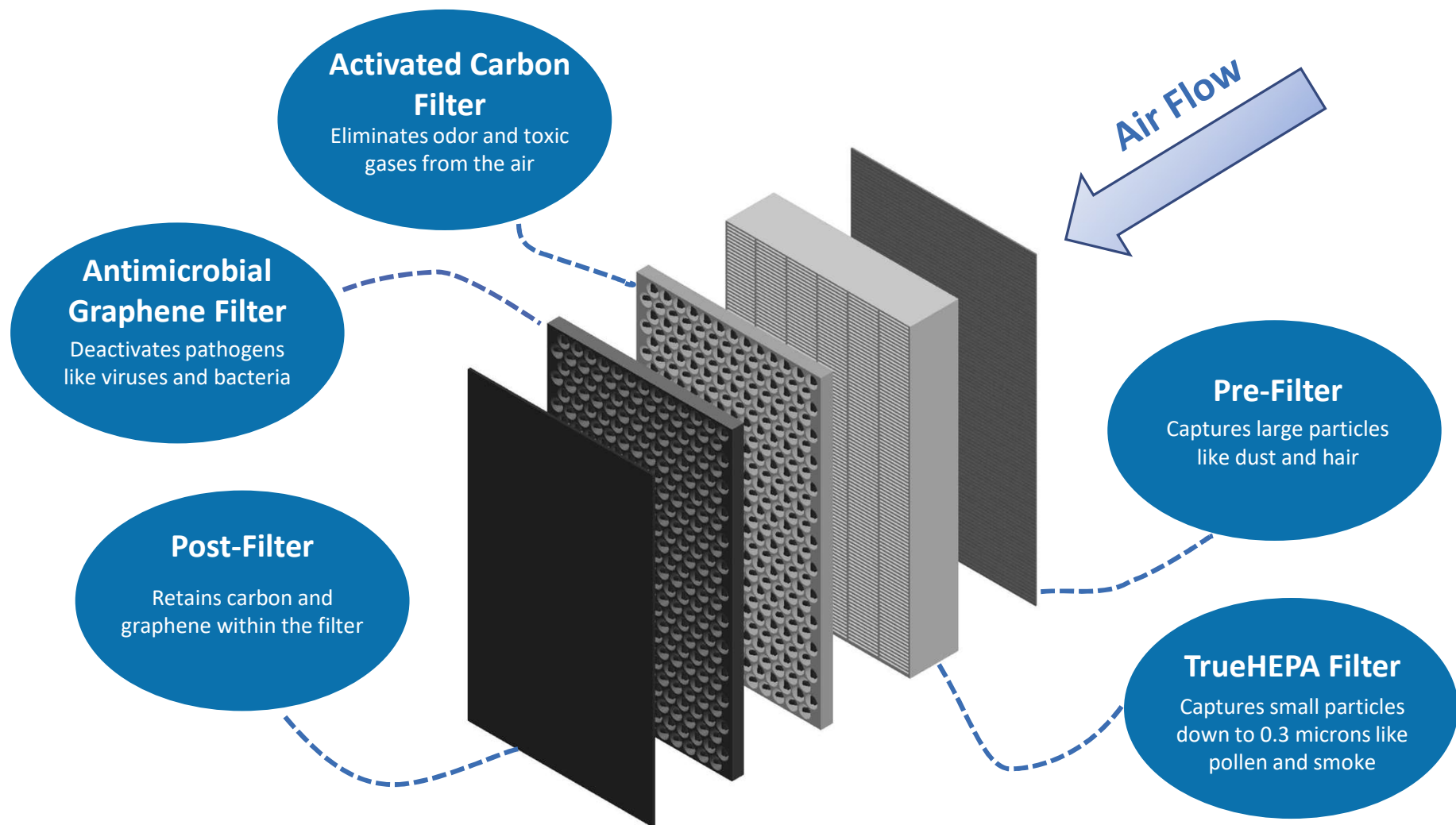
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**Information on this page is summarized from scientific literature.*

Our Solution

A Unique Filter Incorporating Graphene Materials



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Air Purification Market

2020: A Surge In Demand

Global Pandemic

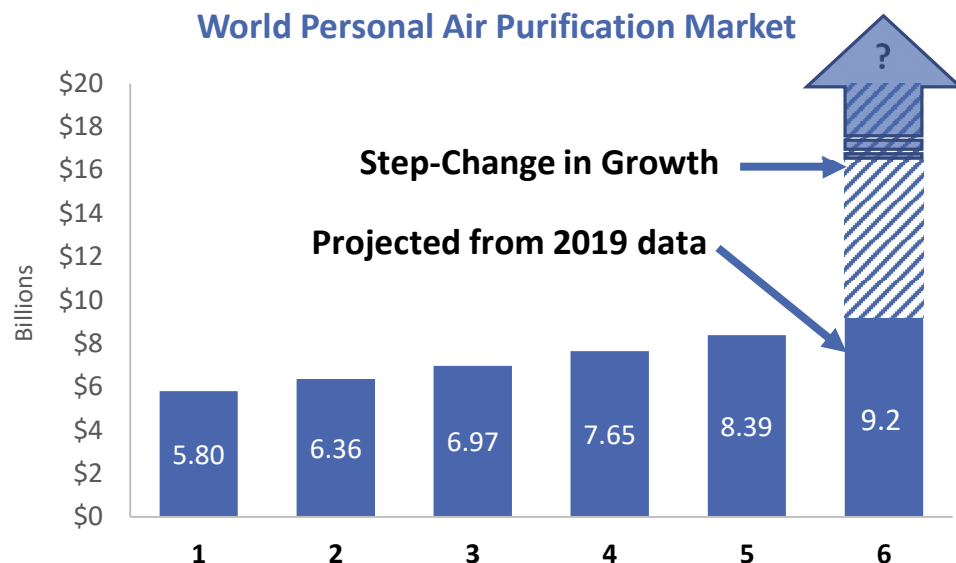
Due to the global pandemic, consumers are more conscious about the quality of the air to avoid getting sick

California Fires

2020 brought some of the worst forest fires in California forcing the consumers to look for personal air purification device for their home.



World Personal Air Purification Market



*Source: Research and Markets, [Residential Air Purifiers Market by Technology](#)

Key Highlights:

The Residential Air Purifier Market was originally projected to reach USD 9.2 Billion in 2020, at a CAGR of 8.2%.*

However, due to the surge in demand for air purification devices from the global COVID-19 pandemic and California fires, the actual figure is trending much higher.

Go-to Market Strategy

Three-Pronged Approach

Proprietary Hardware & Consumable Filters

The Company is working to develop its own line of air purification units with a proprietary consumable filter system.

Consumable Filters for Third-Party Hardware

G6's proprietary filters will be designed to be compatible with many third-party air purification units in the market today.

Industrial Air Purification

The Company is also working to develop an air purification solution for HVAC systems in industrial and other large-scale uses.

Sample Market Segments:

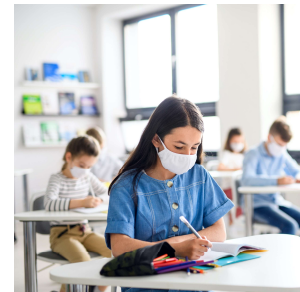
Medical/Long-term
Care Facilities



Residential



Schools



Corporate/Government
Offices



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Other Established Product Lines

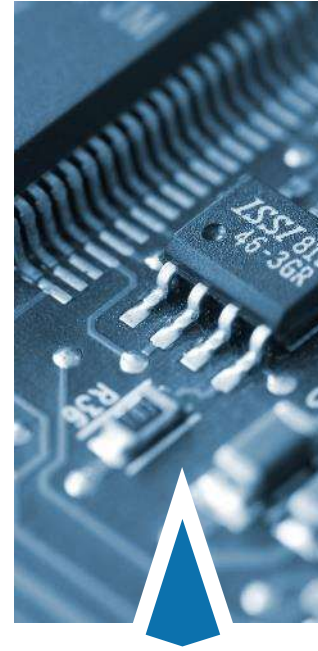
Serve Customers Through Legacy Innovations



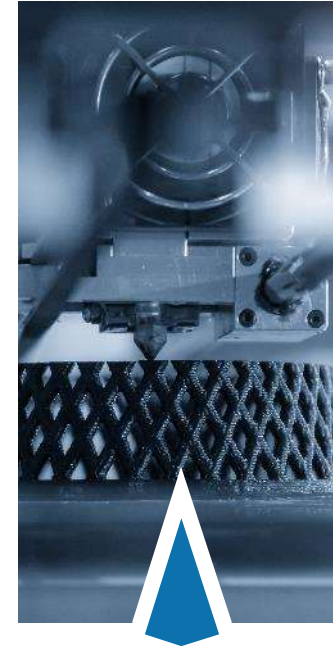
**High
Performance
Composites**



**R&D Materials
for Use by
Scientists**



**Conductive
Epoxies**



**3D Printing
Materials**

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Scaling-Up Graphene Production

Producing High-quality Graphene Materials



G6 Materials Corp. is increasing its production capacity of high-quality graphene to make enhanced composites and coatings at a competitive cost for the market.

- Only premium graphene can significantly enhance composites.
- Customer demand for stronger and lighter composites is our primary driver to increase production.
- Our production process has been confirmed on a pilot scale.
- Tested by third-party independent laboratories.
- Customers have validated the performance of composites made with our materials.

From a pilot reactor...



...to industrial scale production.

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Strong IP Portfolio

3 patents granted; 3 provisional patents; 5 patent applications filed

Title	Status	Patent Number
Fused filament fabrication using multi-segment filament	Granted	US 10,611,098
Electrochemical devices comprising nanoscopic carbon materials made by additive manufacturing	Granted	US 10,727,537
Process for synthesis of trifluoroketones	Granted	US 10,472,313
Antiviral graphene oxide air filtration device and associated methods	Provisional	
Electrically conductive adhesive compositions and kits and methods for using same	Provisional	
Hierarchical graphene-based shock and vibration damping composites and method of fabrication of thereof	Provisional	
Dispersions for nanoplatelets of graphene-like materials	Application Filed	
Method and system for recovering and utilizing heat energy produced by computer hardware in blockchain mining operation	Application Filed	
Method for preparation and separation of atomic layer thickness platelets from graphite or other layered materials	Application Filed	
Thermoplastic composites comprising water-soluble peo graft polymers useful for 3-dimensional additive manufacturing	Application Filed	
Thermoplastic polymer composites and methods for preparing, collecting, and tempering them	Application Filed	



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Capitalizing on decades of aggregate team experience and an industry-leading expertise in graphene, the Company is well-positioned for rapid revenue growth and market opportunity expansion.



Future Plans

2021 and Beyond

Primary Goal:

- ▶ Launch the new line of advanced graphene-based air purification products

Ongoing Objectives:

- ▶ Continue finding new customers and serving existing clients via established product lines
- ▶ Expand graphene production capabilities using proprietary technology
- ▶ Leverage IP portfolio to further increase cash flow and enhance return on investment



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Management

Meet Our Team

CEO

Daniel Stolyarov serves as Chief Executive Officer at G6 Materials Corp and was instrumental in bringing the first graphene filament to market. He is also co-founder of Graphene Laboratories, Inc. pioneering the commercial graphene production market. Stolyarov has grown the company's client base substantially in the past six years. His expertise in 2D materials has gained wide publicity from news publishers such as BBC and Bloomberg. He received a Ph.D. in Physical Chemistry from the University of Southern California and a Master's degree from the Moscow Institute of Physics and Technology.

CFO

Robert Scott CPA, CA, CFA brings more than 20 years of professional experience in corporate finance, accounting and merchant and commercial banking. Mr. Scott earned his CFA in 2001, his CA designation in 1998 and has a B.Sc. from the University of British Columbia. He is a Founder and President of Corex Management Inc., a private company providing accounting, administration, and corporate compliance services to privately held and publicly traded companies and has served on the management teams and boards of numerous Canadian publicly traded companies with a strong track record of cost effectively running operations. Mr. Scott has also listed several companies on the TSX Venture Exchange gaining extensive IPO, RTO, regulatory and reporting experience. He currently serves as the CFO of Riverside Resources Inc. (TSXV: RRI) and Nickel One Resources Inc. (TSXV: NNN) and on the boards Genesis Metals Corp. (TSXV: GIS) and Mongolia Growth Group Ltd (TSXV: YAK).

Board of Directors

- John (Gary) Dyal, Chairman of the Board
- Daniel Stolyarov, President & CEO of G6 Materials Corp.
- Roman Rabinovich, Independent Director

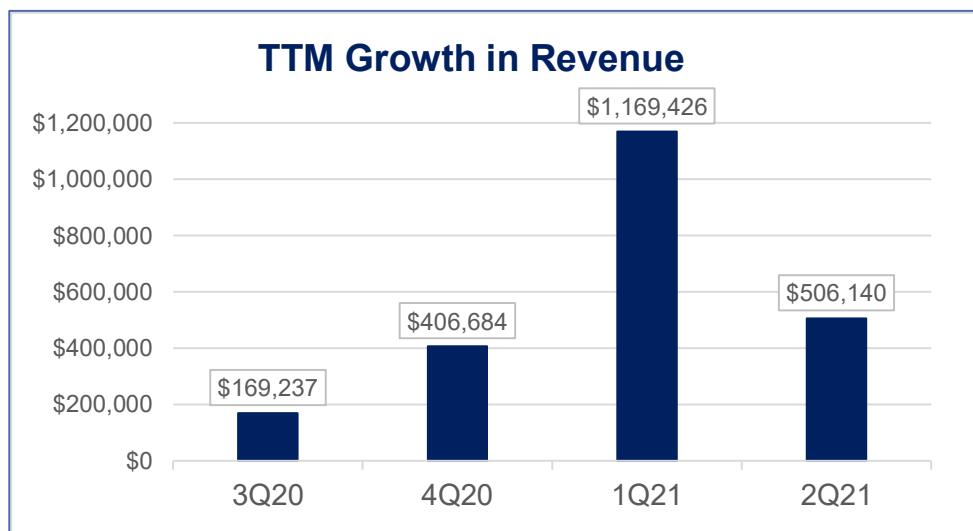
Corporate Secretary

- Jeffrey Dare

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Key Financial Metrics



	3Q20 as at Feb. 29, 2020	4Q20 as at May 31, 2020	1Q21 as at Aug. 31, 2020	2Q21 as at Nov. 30, 2020
	3Q20	4Q20	1Q21	2Q21
Revenue	\$169,237	\$406,684	\$1,169,426	\$506,140
Gross Profit	\$64,601	\$41,625	\$426,608	\$208,904
Net Income (Loss)	(\$228,188)	(\$261,760)	\$125,554	(\$321,621)
Net Income (Loss) Per Share	(\$0.003)	(\$0.002)	\$0.002	(\$0.002)
Total Assets	\$740,029	\$1,165,686	\$1,472,872	\$1,342,561
Shareholders Equity	\$254,399	\$716,600	\$855,942	\$802,039



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Capitalization Table

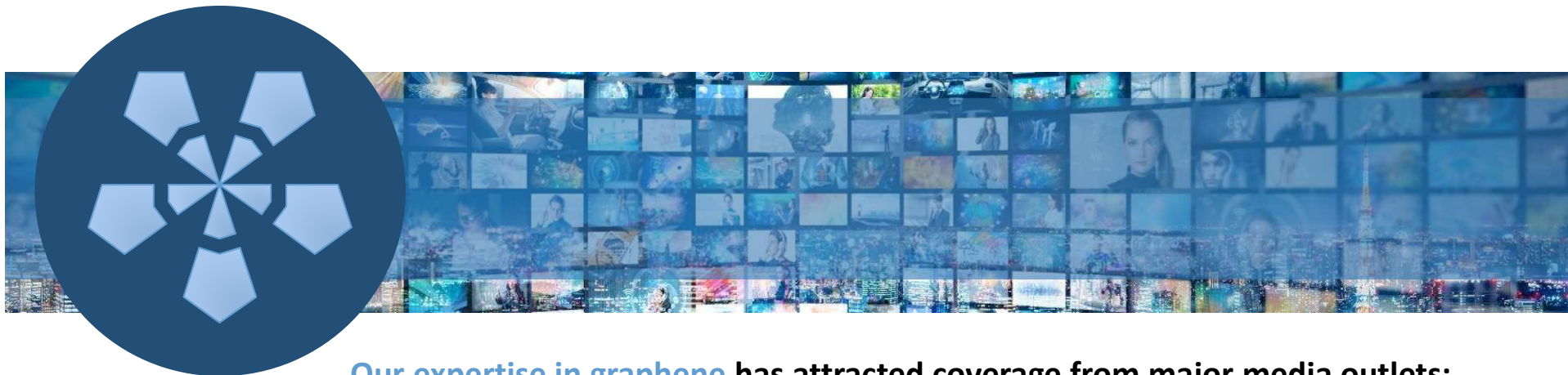
As at January 29, 2021

	TSXV: GGG	OTCQB: GPHBF
Share Price		C\$0.20
Market Capitalization		C\$18,897,173
Shares Issued and Outstanding		97,408,575
Warrants		22,956,761
Options		<u>8,695,000</u>
Fully Diluted		129,060,336

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Media Coverage



Our expertise in graphene has attracted coverage from major media outlets:



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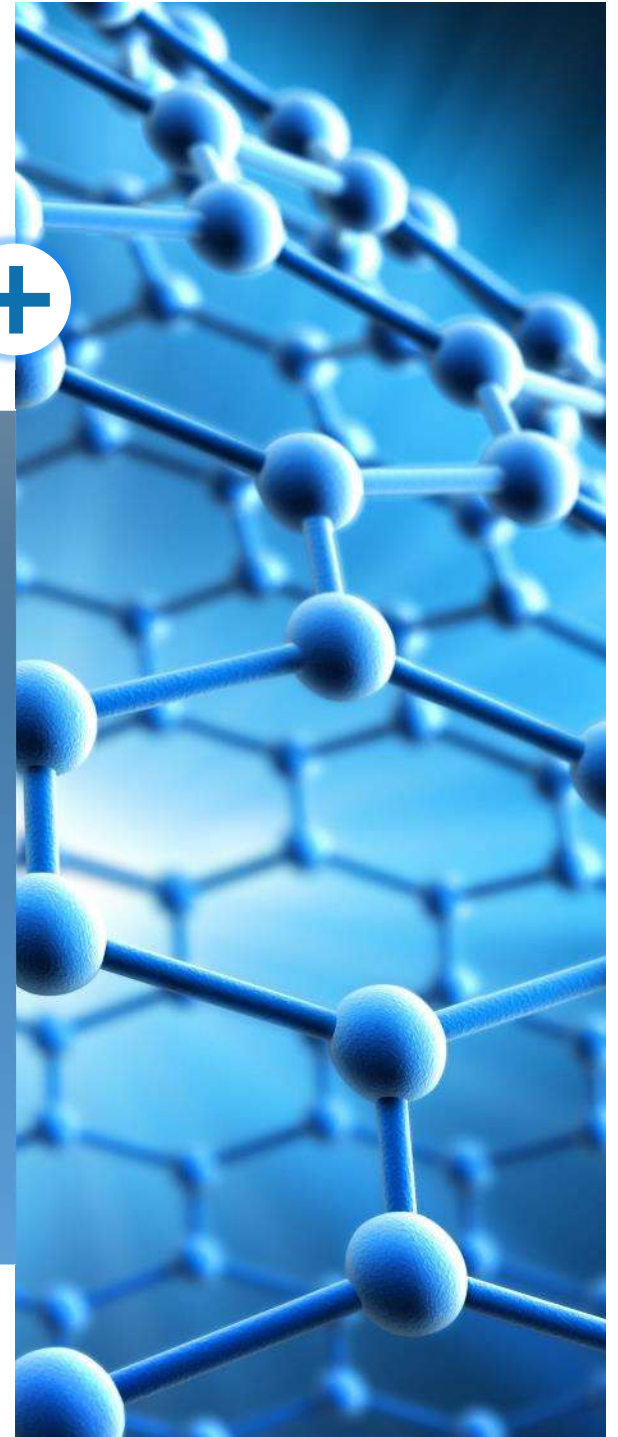
Investment Summary

A pure-play graphene company with cash flow from existing product sales, a strong IP portfolio and high-growth potential.



- Strategically focused on serving the air filtration and purification market with new products to meet growing demand as a result of the global coronavirus pandemic
- Cash flow from graphene-based products in the market
- Numerous customers from among the Fortune 500 list of companies, as well as NASA and leading universities
- Valuable IP portfolio: 3 patents granted; 3 provisional patents; 5 patent applications filed
- New graphene-based applications identified to accelerate growth into the future
- Premium research lab and scalable production facility
- Deep understanding of graphene technology based on decades of aggregate team experience

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Contact Us

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Ronkonkoma, NY, 11779, USA





Appendix:

Other Market Opportunities



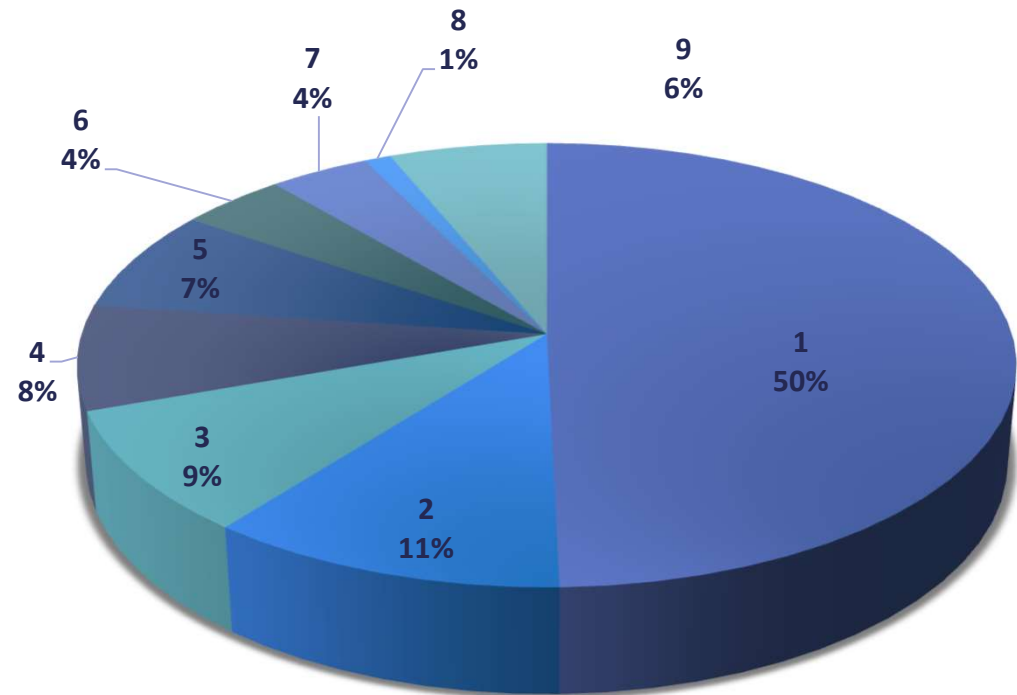
Overall Market Composition

for Graphene-Enhanced Fiber Composites

The technology of enhancing fiber composites with graphene works for glass, carbon and other types of reinforcement fibers. Generally, this technology can be applied to any industry in which fiber composites are used.

Therefore, G6 Materials Corp. has an opportunity to target many market segments that utilize composite materials.

Revenue by Application



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Broad Applications

Addressing Customer Needs

For Business



The remarkable properties of graphene, which include its unprecedented mechanical strength and electrical conductivity, could be used to improve the performance of common industrial materials.

For Daily Life



Graphene-enhanced materials have the potential to greatly improve the quality of things that we use regularly, including but not limited to sports equipment, apparel and computers, thereby improving the quality of our everyday lives.

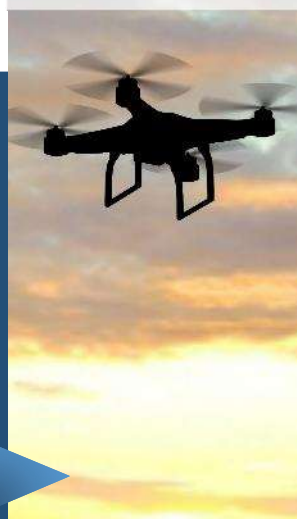
On Land



The migration toward electric vehicles requires more widespread use of light and durable composite materials. Improving composites with graphene additives could be a keystone for such revolutionary change.

Graphene improves materials used in the aviation and UAV industries, by making drones and airplanes stronger, lighter and more resilient. This enhances aircraft performance and lowers fuel costs, which are significant improvements.

In The Air



Graphene additives could potentially make materials in the marine industry more robust, lighter and resistant to seawater corrosion. This would extend the service life of boats, cargo/container ships, tankers and high-performance yachts.

At Sea



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Graphene-Based Solutions for Marine Vessel Composites



Waves:

- **Problem:** During a typical 10-year service period, a boat is subjected to 10 million oscillations induced by sea waves, which cause slow but sure deterioration of the boat's structure due to fatigue.
- **Solution:** Graphene can improve a composite's fatigue resistance by 10,000x, which when applied to a boat's structure can greatly reduce deterioration.



Impacts and Collision:

- **Problem:** In regular use, but especially in the case of accidents, marine vessels are subjected to impacts that damage their structure; laminated resin suffers more damage than fibers and the damage caused by these impact is not always apparent.
- **Solution:** Graphene additives improve the fracture toughness of vinyl ester composite by 50% and epoxy resin by 4x.



Corrosion:

- **Problem:** Marine vessel composite materials are exposed to the damaging influence of UV light and saltwater, which slowly destroy their laminating resin and compromise the composite's performance.
- **Solution:** Graphene is an excellent UV absorber and improves the barrier properties of laminating resin, thereby reducing the penetration of water inside the resin and making it more resistant to potential water damage.

Technology Showcase:

Opportunity to Disrupt Marine Vessel Composites

