



**G6 Materials**  
TSX-V: GGG | OTCQB: GPHBF

FEBRUARY 2024

# Investor Presentation

Creating Value through Innovative graphene-based solutions



## 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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**Ronkonkoma  
New York**



## Investment Highlights

About G6 Materials Corp.

▶ Recurring revenue as a long-standing graphene player while targeting a total addressable market of US\$98.2 billion.

▶ Founded by a team of experts in graphene technology with a proven track record of developing innovative commercial products to high-value markets.

▶ A strong IP portfolio comprised of 7 granted patents and 3 patent applications pending.

▶ Backed by a world-class team with R&D, operations and finance experience in building successful companies around the world.

▶ A state-of-the-art ISO 9001-certified pilot scale facility in the USA for commercial production of graphene materials and composites.





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## About Us

G6 Materials Corp ("G6"), is an advanced graphene materials company and world leader in creating value by developing innovative, cutting-edge graphene-based solutions.

The company has 4 revenue streams in multi-billion-dollar subsectors of the market, with many other industrial opportunities in the pipeline:

- Air purification;
- Conductive adhesives;
- Advanced materials and composites; and
- Direct sale of graphene materials.



## Recent Highlights

**January 2024:** Appointed Michael Saxon as an Independent Member of the Board of Directors and appointed Guy Bourgeois as Chief Executive Officer

**December 2023:** Announced a \$1,000,000 Non-Brokered Unit Offering, Published a Letter from the CEO and Made Changes to the Board of Directors

**October 2023:** Appointed a new President & Interim Chief Executive Officer as well as a new Chief Operating Officer

**August 2023:** Launched a new thermally conductive G6-EPOXY® product line, with the first two products now available in various size formats

**July 2023:** Consolidated its common shares on a 10-for-1 basis, resulting in approximately 16,367,919 post-Consolidation Shares outstanding

**May 2023:** Announced a new CFO & COO; changes to the Board of Directors; and the appointment of a Director of Communications







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## Management & the Board of Directors

### CEO & Director



Mr. Bourgeois has extensive knowledge in the advanced materials, energy generation, graphite and nanotechnology industries, most notably including graphene while involved with Elcora Advanced Materials. He has served as an owner, investor, advisor, or board member in dozens of cutting-edge businesses over the past 30 years. Mr. Bourgeois is skilled in raising capital, obtaining government grants, expanding global business development and creating smart business strategies. He is a seasoned professional with decades of broad expertise centered around commercial growth and innovative/disruptive technological developments.

### CFO & Director



Mr. Cornish is a Chartered Professional Accountant, among other designations, with over 17 years of experience who has served as an officer of both private and publicly traded companies in the Canadian capital markets. He holds an MBA from Saint Mary's University in Halifax, where he also earned his CPA designation. With a skill set that is also complemented by a CPHR designation, Mr. Cornish incorporates many facets of business to maximize his overall value to an enterprise.

### Board of Directors:



Gary Dyal – Independent Chairman  
Guy Bourgeois – Chief Executive Officer  
Kevin Cornish – Chief Financial Officer  
Michael Saxon – Independent Director



## Four Revenue Streams



**Air Purification**

**\$24.6 B**

Total Market Size 2030 <sup>2</sup>

We have developed an advanced air purifier with proprietary graphene technology under the brand name Breathe+® and successfully soft launched it in July 2022.

[www.breatheplus.tech](http://www.breatheplus.tech)



**Conductive Adhesives**

**\$2.3 B**

Total Market Size 2030 <sup>3</sup>

Our G6 Epoxy® brand is a line of high-performance conductive adhesives and resins. We have entered into an exclusive five-year supply agreement with a global microconnector company.

[www.g6-epoxy.com](http://www.g6-epoxy.com)



**Advanced Materials and Composites**

**\$70.6 B**

Total Market Size 2030 <sup>4</sup>

We are currently developing the next-generation formulation in marine composite for this rapidly growing market.



**Direct Sale of Graphene Materials**

**\$1.1 B**

Total Market Size 2030 <sup>5</sup>

Graphene Supermarket® is the leading global supplier of graphene materials, supplying top universities and research facilities with R&D materials for over 12 years.

[www.graphene-supermarket.com](http://www.graphene-supermarket.com)

2. Research & Markets: Air Purifier Market Size, Share & Trends Analysis Report by Technology (HEPA, Activated Carbon, Ionic Filters), by Application (Commercial, Residential, Industrial), by Region, and Segment Forecasts, 2020-2027 3. Reportlinker.com: Global Electrically Conductive Adhesives Industry 4. Advanced Composites Market Size, Share & Trends Analysis Report By Product (Aramid, Carbon, Glass), By Application (Aerospace & Defense, Automotive, Construction, Sporting Goods, Wind Energy), By Region, And Segment Forecasts, 2022 - 2030 5. Grand View Research: Graphene Market Size, Share & Trends Analysis Report By Application (Electronics, Composites, Energy), By Product (Graphene Nanoplatelets, Graphene Oxide), By Region, And Segment Forecasts, 2020 - 2027

## Graphene Supermarket®

Premium Selection of R&D Graphene and 2D Materials



Founded in 2010, with a complete store redesign in 2022



Over 100 graphene-like and advanced material products



Large customer base, with thousands of customers worldwide



Customized proof-of-concept development for targeted graphene applications







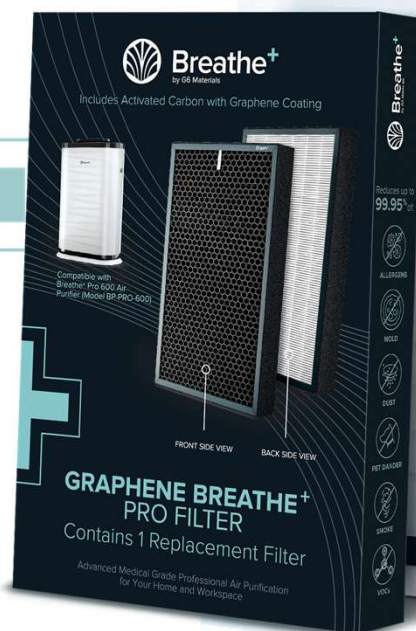
**G6 Materials**

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# Air Purification: Brand Breathe<sup>+</sup> by G6 Materials

Advanced Air Purifier with Proprietary Graphene Technology

We have developed our own line of air purification units with a proprietary graphene consumable filter system.



## Our IP in Air Purification

ANTIVIRAL GRAPHENE OXIDE AIR  
FILTRATION DEVICE AND  
ASSOCIATED METHODS

Stolyarov et al.

Pub. №: US 2021/0346831 A1  
Patent Application

## Breathe<sup>+</sup> Pro Residential Air Purifier



[www.breatheplus.tech](http://www.breatheplus.tech)

Patent Application  
No. US 2021/0346831 A1



## G6 Epoxy® Conductive Epoxies

Proprietary Electrically Conductive Adhesives Produced in Ronkonkoma, NY, an ISO-9001 certified facility

- ◆ Photovoltaic (Solar) Cells
- ◆ Medical Devices / Sensors
- ◆ Smart and Flexible Electronics
- ◆ EMI / RFI Shielding
- ◆ Temperature Sensitive Electronics
- ◆ Cold Solder Replacement

### Advantages of Our Materials



Better resistance to stress, corrosion, cracking and fatigue



Increased reduced flammability as well as improved thermal and UV stability



Improved electrical properties



Reduced density, weight and cost of epoxy resins



[www.g6-epoxy.com](http://www.g6-epoxy.com)



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## Advanced Materials and Composites



- ▶ Currently developing the next-generation formulation for marine composites
- ▶ Developed epoxy and vinyl ester formulations to address this market for carbon fiber and fiberglass composite marine applications
- ▶ An independent lab verified the outstanding performance of our materials, demonstrating that graphene-enhanced resin:
  - ◆ Improved fracture toughness by 14x
  - ◆ Increased fiberglass composites fatigue resistance by 3x
  - ◆ Improved water resistance by 20%





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Strategic Partnership with:

**MADE**<sup>TM</sup>

ADVANCED MATERIALS

MADE Advanced Materials PTE LTD  
is a Singapore based company with  
expertise in fiber composites

Focus Areas: Hydrogen Storage



Advanced Fiber Reinforced  
Casing for Energy Storage



Resilient Fiber-Reinforced  
Composites for marine  
structures and aviation



MADE's role in the strategy partnership is to provide customers, optimized designs and an optimized composite manufacturing process, while G6's role is to provide graphene-based resin formulations and other graphene-based expertise

MADE is also partnered with Lungteh Shipbuilding Co., Ltd (Taiwan) to develop composite materials and structures for marine applications

Other current and future project topics include but are not limited to lightweight solutions for low-flying aircraft and hydrogen-powered vehicles



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Analysis



## Target Milestones

Continue to scale-up Operations, Business Development and R&D Departments

Secure Larger and Longer-Term Supply Contracts

Expand Product Lines

Commence Large-Scale Industrial Manufacturing

## Completed Milestones

Launched Breathe<sup>+</sup>® Air Purification Device

ISO 9001 Certification of Ronkonkoma Facility

Re-Launched Graphene Supermarket® Website

Expanded Leadership and Operations Teams





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## Capitalization Table

TSXV: GGG	OTCQB: GPHBF
Share Price	C\$0.09
Market Capitalization	C\$1,473,113
Basic Shares Issued and Outstanding	16,367,919
Options	<u>1,250,000</u>
Fully Diluted	17,617,919

*\*These amounts are as at February 1, 2024*



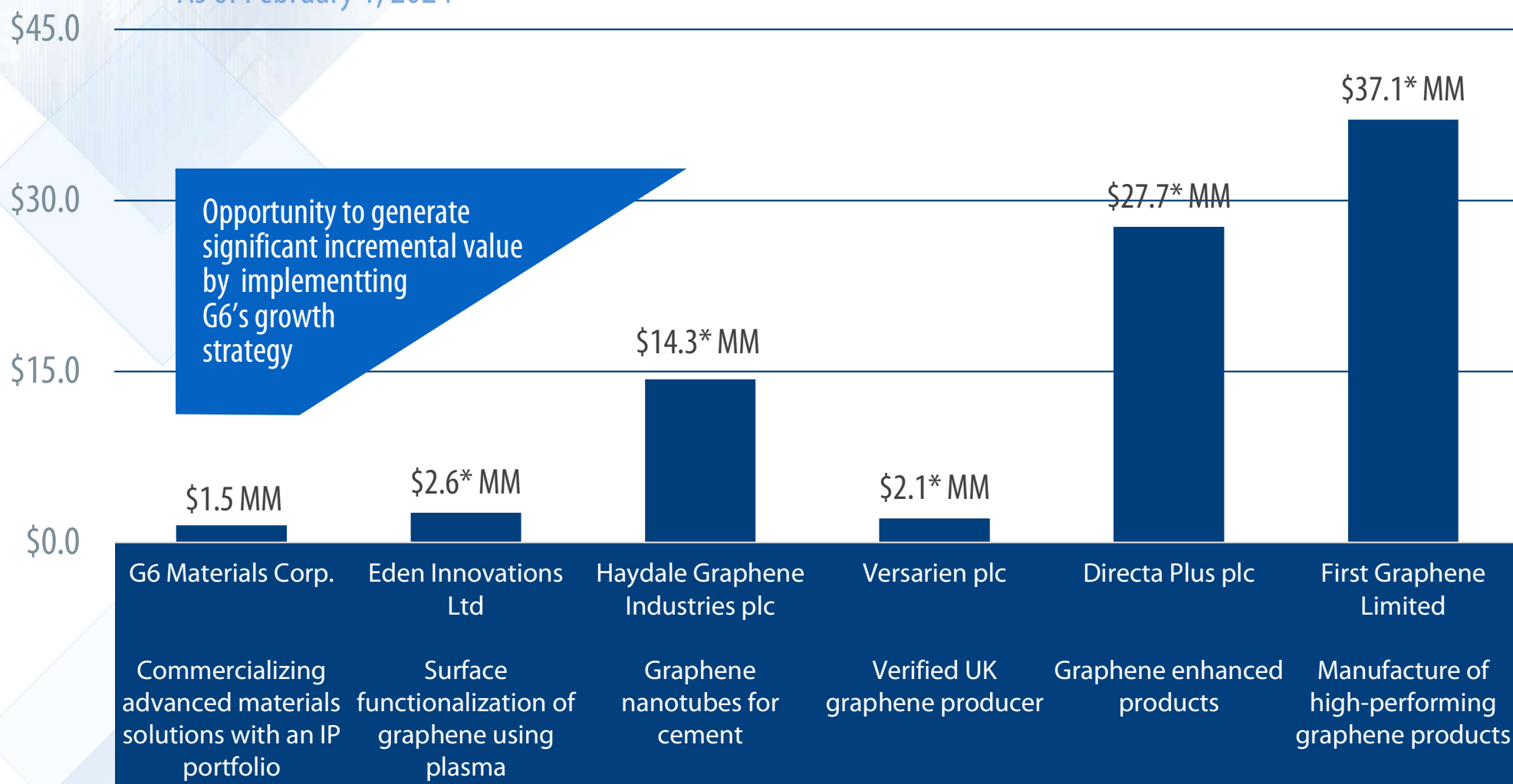


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## Industry Peer Comparison

As of February 1, 2024



\*Currency converted to Canadian Dollars

## Strong IP Portfolio

7 patents granted and 3 pending applications

	Application Number	Patent number
Fused filament fabrication using multi-segment filament	US20160339633	US 10,611,098 B2
Electrochemical devices comprising nanoscopic carbon materials made by additive manufacturing	US2015047516	US 10,727,537 B2
Method for preparation and separation of atomic layer thickness platelets from graphite or other layered materials	US2015052693	US 11,104,577 B2
Thermoplastic composites comprising water-soluble peo graft polymers useful for 3-dimensional additive manufacturing	US2016020031	US 11,097,492 B2
Process for synthesis of Trifluoroketones	62/631,779	US 10,472,313 B1
Thermoplastic polymer composites and method for preparing, collecting and tempering 3D printable materials and articles from same	US2016043575	US 11,591,467 B2
Sacrificial support in 3D additive manufacturing made from peo graft copolymer and nanoscopic particulate processing aids; methods for manufacturing such materials	62/631,691	US 11,865,124 B2
Electrically conductive adhesive compositions and kits and methods for using same	CA 3,055,827	Pending
Antiviral graphene oxide air filtration device and associated methods	US20210346831A1	Pending
Materials and Methods for Extraction of Precious Metals Using Graphene Oxide Composites		Pending



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## Contact Us

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# Appendix



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## What is Graphene?

Graphene is a one-atom thick, 2D layer of carbon atoms arranged in a hexagonal lattice.



**Incredibly strong,  
~200 times steel**



**Minute quantities added  
to materials can drastically  
improve their properties**



**Excellent conductor of  
heat & electricity**



**Highest volume : surface  
area ratio of all materials**

It provides limitless applications and enormous potential to disrupt many industries.

**1924**



**Graphite's layered  
structure identified**

**1947**



**The theory of a 2D graphene  
structure first identified**

**2004**



**First isolation of graphene by  
Prof. Geim & Prof. Novoselov**

**2010**



**Prof. Geim & Prof.  
Novoselov win Nobel Prize**



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## Our Intellectual Property

A Unique Filter Incorporating  
Graphene Materials

## Our IP in Air Purification

ANTIVIRAL GRAPHENE OXIDE AIR  
FILTRATION DEVICE AND  
ASSOCIATED METHODS

Stolyarov et al.

Pub. N°: US 2021/0346831 A1

Patent Application



- 1 **Large Particle Prefilter** - Captures large dust particles like clumps and hair
- 2 **Fine Particle Prefilter** - Captures finer dust particles like airborne dust and pet hair
- 3 **Activated Carbon with Graphene Coating**  
Mixture of Standard and Graphene Coated Activated Carbon - Standard activated carbon captures odor causing volatile organic compounds (VOC) harmful molecules like formaldehyde. Graphene coated activated carbon captures bioaerosol particles it comes into contact with
- 4 **Medical-Grade H13 HEPA** - Filter is a medical grade filtration medium which captures 99.9% of particles down to 0.1 micron





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## The Removal of Airborne Contaminants by Breathe<sup>+</sup> Air Purifier

Tested by an Independent Third-Party Lab  
Breathe<sup>+</sup> Pro CADR performance

DUST

320 CADR  
0.5-3.0 MICRONS

SMOKE

290 CADR  
0.10-1.0 MICRONS

POLLEN

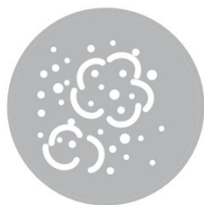
405 CADR  
5-11 MICRONS

RESULTS RANGE

10 to 600

10 to 600

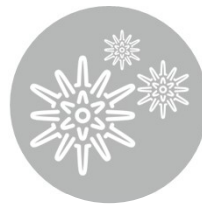
25 to 600



DUST



SMOKE



POLLEN

**intertek**  
Total Quality. Assured.



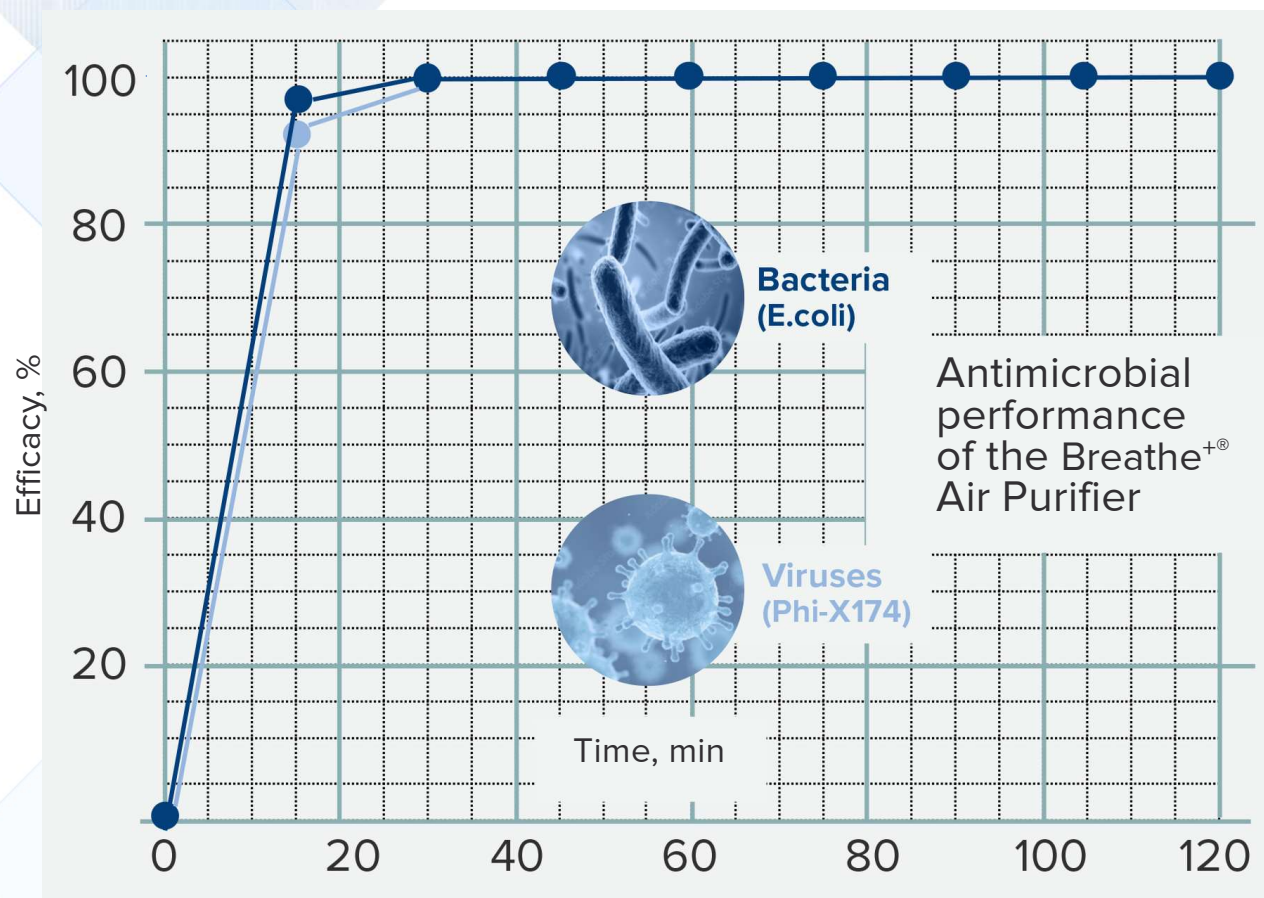
**CADR TESTING**

CADR, the Clean Air Delivery Rate, is a metric that was developed as a way of measuring the performance of residential air purifiers. The CADR rating reflects the volume of air in CFM (cubic feet per minute) that is cleaned of particles of certain sizes.

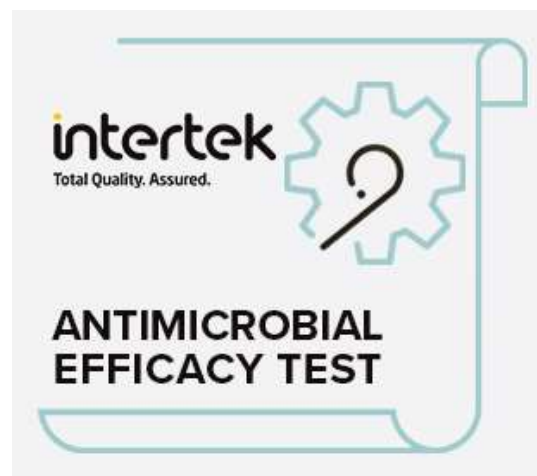
Download Report: [CADR Test](#)

## The Removal of Airborne Microorganisms by Breathe<sup>+</sup> Air Purifier

Tested by an Independent Third-Party Lab



Download Report: [Antimicrobial Efficacy Test](#)



Organism Type	Virus
Organism Name	Phi-X174
Percent Reduction	99.9%
Organism Type	Bacteria
Organism Name	E. coli
Percent Reduction	99.9%



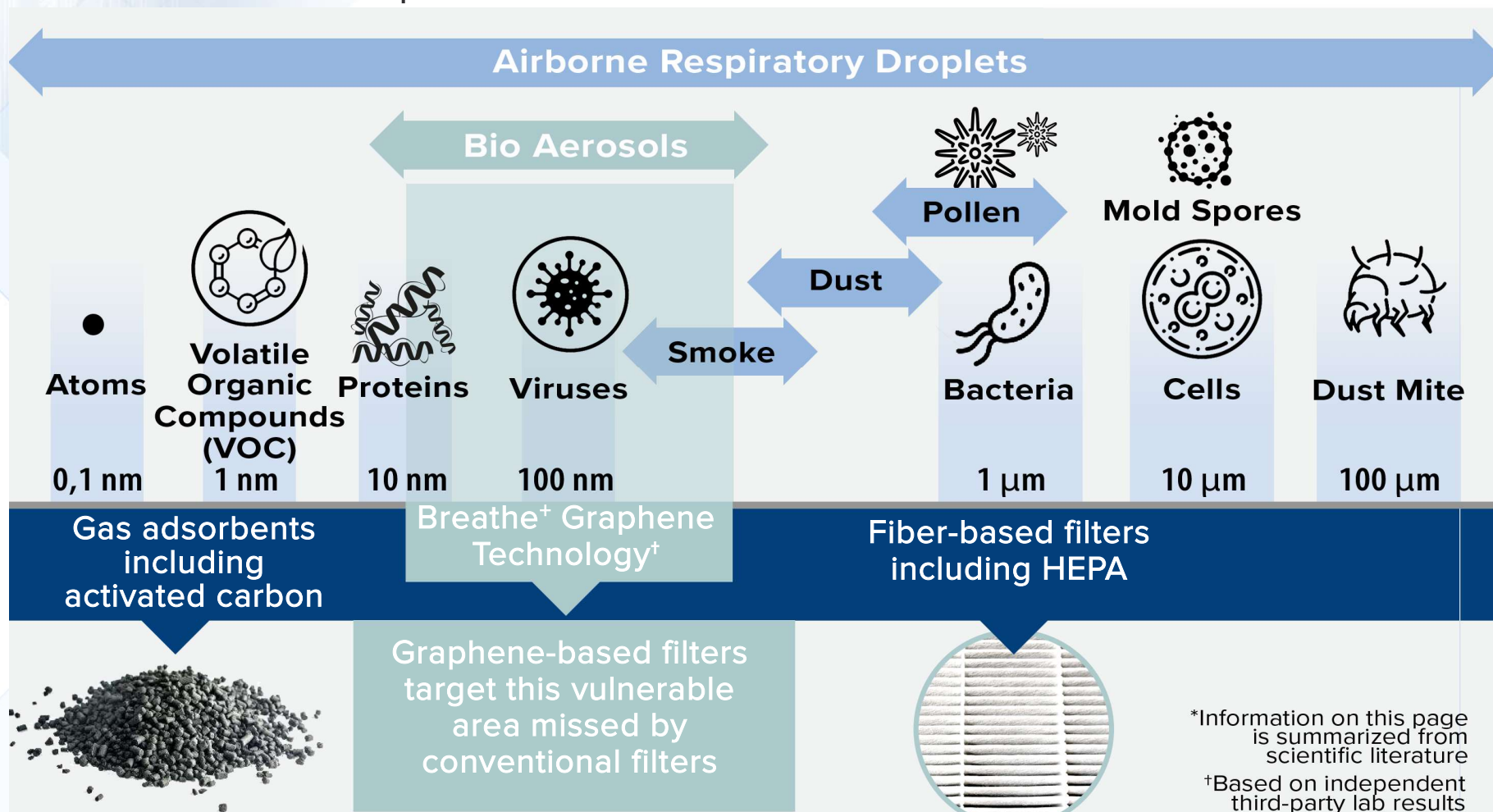
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## Types of Air Pollutants

Removal Techniques for Different Particle Sizes\*



[www.breatheplus.tech](http://www.breatheplus.tech)