High Performance Products

Powered by Graphene™

Presented by Jon Myers, CEO
jon@graphenetechnologies.com

Where Do We Go From Here?

Moving the Ball Forward

- Big thanks to Steve, Alan and Keith for creating GSA and this venue!
- Everyone here by choice. It is up to us
- What do *We* want to make happen
- For GT – success in proprietary and co-owned applications. We can be agnostic, work with other graphene and non-graphene materials
- Presentation
  - Overview GT's platform, strategy and goals
  - My take on our business landscape

High Performance Products

Powered by Graphene™

Strategy

Create Products and Markets

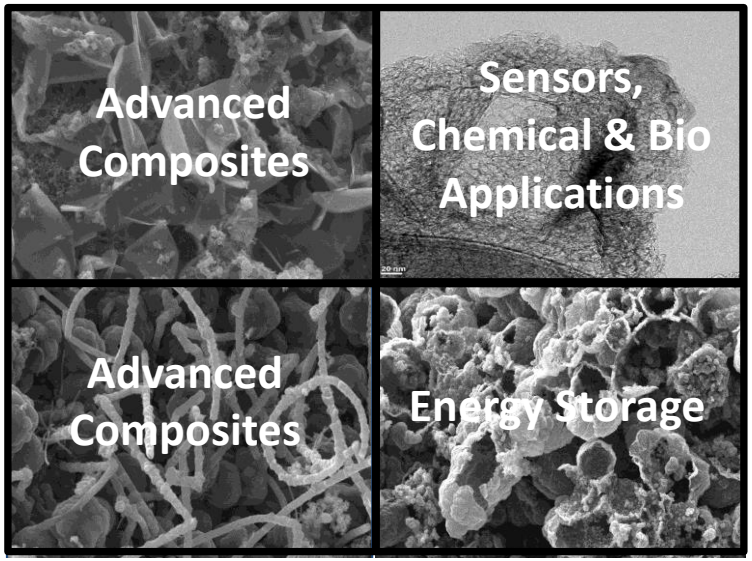
- Apply GT's unique strengths
- To create proprietary and jointly sponsored high performance polymer and chemical products
- For large markets with near term prospects and significant upside

GT Built on Synthesis Technology Platform

Only technology in world capable of producing a *variety* of high quality graphene products at scale and cost

Carbon Dioxide is the only non-recycled feedstock

Graphene variety will uniquely enable product development and market penetration



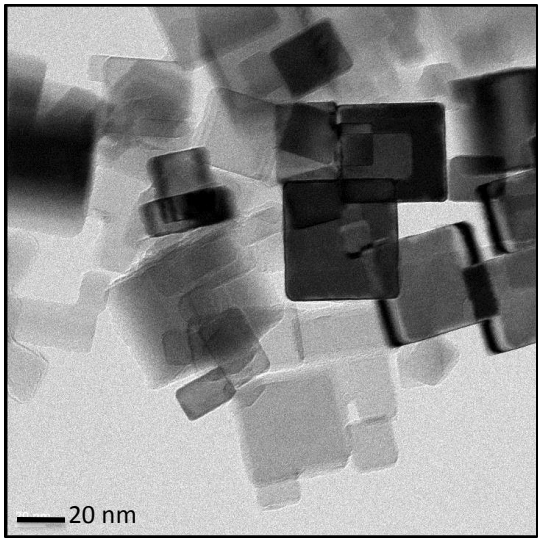
Electron Microscope Images of GT Graphene Products

But Wait, There's More…

GT Process is a General Nano-Materials Synthesis Engine

Initial second stream product is nano-MgO

Nano-MgO Can Generate Significant Additional Revenue



Electron Microscope Image of GT MgO Product

GT Middleware

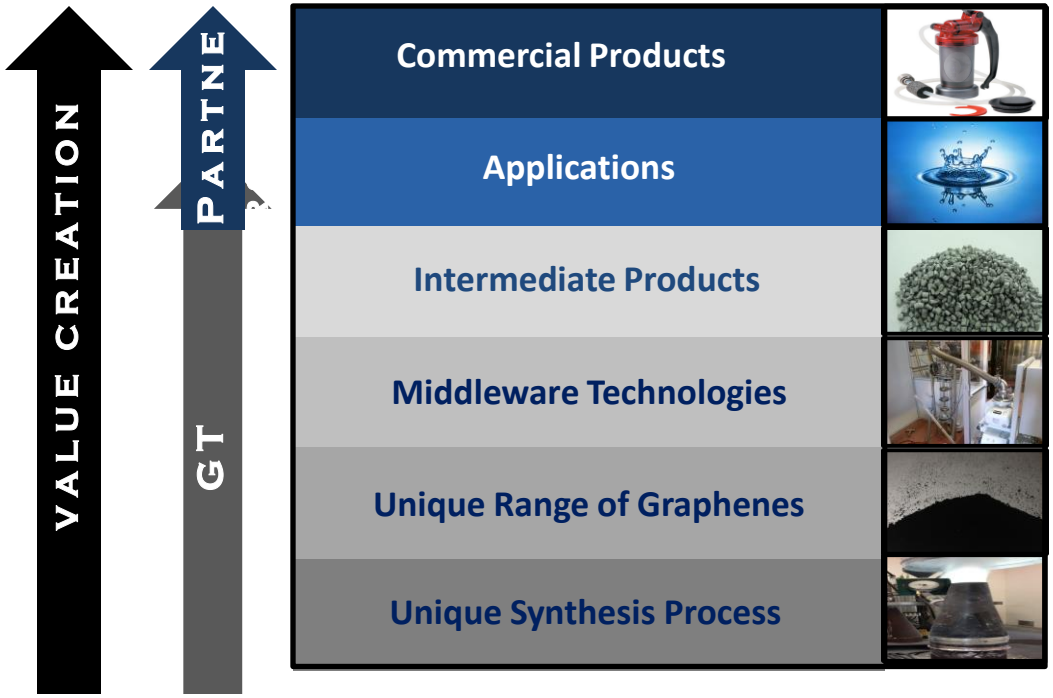
Graphene Needs Help to Deliver the Desired Service

Middleware is a Critical Step

- Physical functionalization
- Chemical functionalization
- Dispersion tools
- Dispersion methods
- Chemistries
- Measurement tools

Business Model

Business Wants New and Advanced Performance from Graphene



Partners, Customers, Licensees

Co-developed and proprietary

Co-developed and proprietary

Proprietary technologies, IP and skill

Unprecedented options and quality

Proprietary patented, scalable, and low cost

GT Delivers

Joint Product Development

Five Projects

Polymer

- Strength
- Conductive
- Thermal

Chemical

- Confidential

Confidential Global Partners

- Auto
- Electronics
- Consumer
- NGO
- Polymer

Proprietary Product Development

Two Confidential Projects

Polymer	Chemical
Product Release 2014	Product Release 2014

Clean Tech Proposition

Double Green Bottom Line

1. GT synthesis process utlizes carbon dioxide as its only non-recycled feedstock
   - The most environmentally friendly *and* technically optimal process for creating graphene
2. Graphene will become a major force for energy savings in the 21st Century
   - Vehicle light weighting
   - Energy storage – lithium batteries and super-capacitors
   - Smart windows
   - Solar
   - Much more

Core Team with World Class Skills

Company

Jon Myers, MBA	CEO
Wayne Dickinson, ME	Chief Engineer
Bob Fleming, PhD	Dir. Polymer Research
Ken Frost, PhD	Dir. Chemical Research
Doug Dufaux, PE, /ChmE	Dir. Process Research
Terry Brookshire	Dir. Operations
Toshi Matsukawa	Dir. Asian Business Dev.
Matt Bishop, MBA	Dir. U.S. Business Dev.
Larry Musetti, ME	Systems Engineer
Ed Lin, ChmE	Sr. Research Engineer
Toshiaki Hino, PhD	Sr. Research Engineer

Legal Team

Wilson, Sonsini, Goodrich & Rosatti
Fenwick & West
Wright & Associates

Scientific Advisory Board

Harbo Jensen, PhD
Doug Charlton, PhD
Alex Bell, PhD
Cafer Yavuz, PhD

R&D Leadership

Bob Fleming, Director Polymer R&D. PhD Materials Science. 11 years at 3M. Co-founder and CTO Shocking Technologies. 20 years of experience in nano-materials/polymer systems.

Doug Dufaux, Director Synthesis Process & Materials R&D. Masters Materials Science. 20 years in nano-materials production and product development.

Ken Frost, Director Chemical Process R&D. PhD Organic Chemistry. 34 years as senior researcher and research manager at Chevron.

Management

Jon Myers, CEO & Co-Founder. MBA. Founder 5 companies over 15 years. One exit, two valued at a combined $300 million. Previously in bond trading and sales on Wall St. Named in 6 issued patents.

Wayne Dickinson, Chief Engineer & Co-Founder. M.E. 50 years solving complex engineering problems for NASA, U.S. Navy, Stanford, U.C. Berkeley, Bechtel and more. Named in over 40 issued patents.

GT Summary

GT Can Work With Many of You

Materials

Middleware

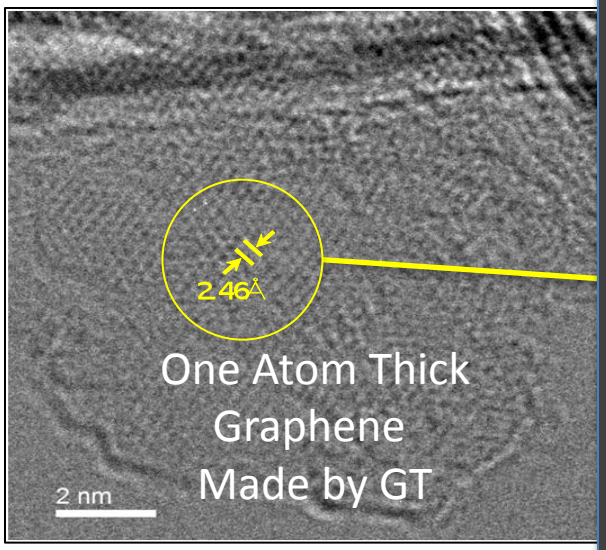
Product Development

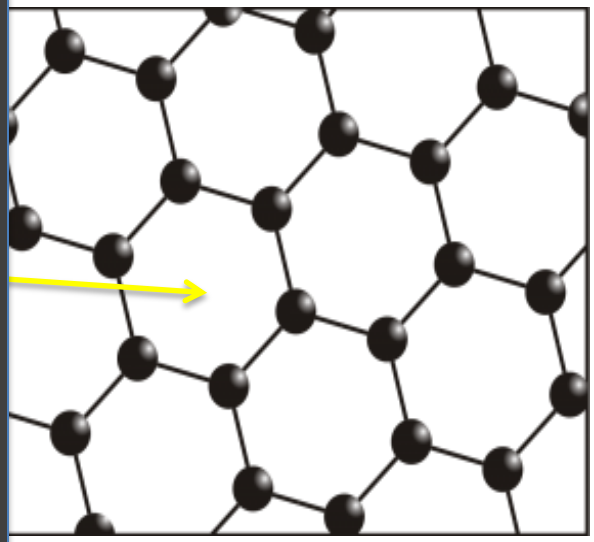
Where Are We?

Where Are We Going?

Graphene Is So "Cool" *But*

Thinnest, strongest, r t conductive, highest surface area material ev iscovered blah blah blah





Depiction of graphene's crystal structure

Nobel Prize Award 'Discovery' in 2010

Why Should Anyone Commit to Graphene Now??

“Beware of Unmarked Cliffs”

For every action, there is a reaction

- *Sophisticated people have become very cautious*

“Beware of Unmarked Cliffs”

So Many Cons, So Little Time

- Sophisticated people have become very cautious
- *Carbon is pretty good already*

“Beware of Unmarked Cliffs”

For every action, there is a reaction

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- *Fraud and chicanery*

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- *Threat of regulation*

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What's It Going to Take?

Our Nightmare Scenario: Waiting for Godot

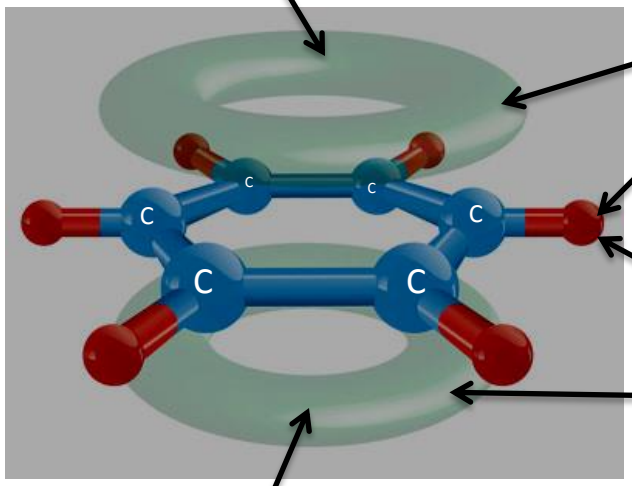
Does it have to be this hard???

What needs to get done?

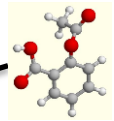
What can we do?

Graphene's Versatility a Potential Saving Grace

If Any Material Can Cross the Chasm….Graphene Can



Features of Graphene


Accessible Electrons = Unique Chemical Utility

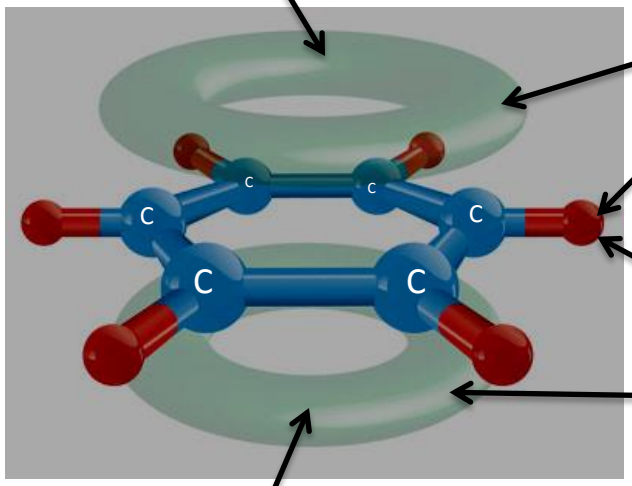

Bonding Structure = Thermal Energy (Vibrational)


Bonding Structure = Unique Strength

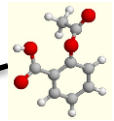

Accessible Electrons = Unique Conductivity

Graphene's Versatility a Potential Saving Grace

Huge Number of Projected Applications



Application Areas by Graphene Feature



Desalination, healthcare, catalysis

Computing, electronics, automotive

Consumer products, aerospace, automotive

Consumer products, electronics, aerospace, auto

What's It Going to Take?

Avoiding the Nightmare Scenario

- Unconventional thinking
  - If we were one company, we'd still be small and hopeful
  - What would we do differently?
- Knowing who we are
  - Individually
  - Collectively
  - Where can the whole be greater than the sum of the parts?
- Focus, Focus, Focus

What's It Going to Take?

Avoiding the Nightmare Scenario

- Execution
  - One successful CNT play in 15 years, we have to improve on that…
  - Survival instinct drives intense innovation
  - Meet Godot, the 'Killer App'
  - *Success will be all about improved products and applications*
    - Not graphene, not who started first, not who raised more money …
- Good luck

What's It Going to Take?

Growing Up Graphene

- Segment has arguably matured beyond early model, what now?
  - Recognition of this can lead to different, less conventional choices
- Myriad of opportunities requires focus
  - Many of us have already committed to a focus
- Where there is not direct competition, can there be cooperation?
- Can there be win-wins? Rather than lose-win or lose-lose scenarios?

Closing

Go Red Sox!

Thanks GSA!!!