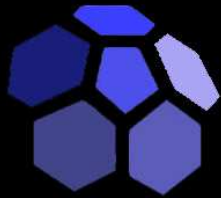


Agenda

- ***Background***
- ***Technology***
- ***The Market***
- ***Business Model & Sales Strategy***
- ***Competition***
 - ***IP position***
 - ***Competition***
- ***Production/Manufacturing***

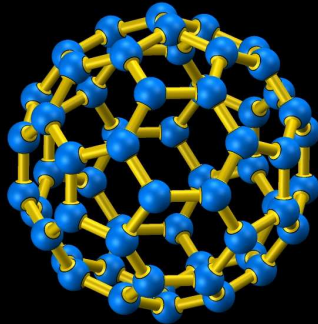


nano-c

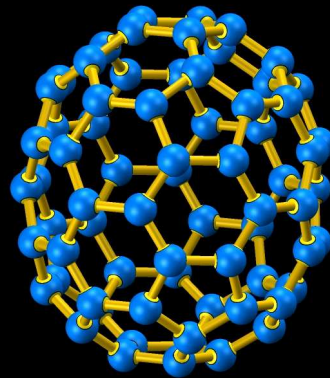


Nano-Carbon Structures

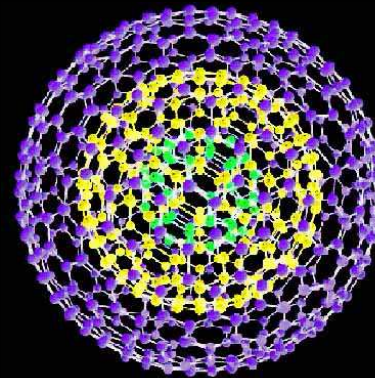
← 0.7 nm →



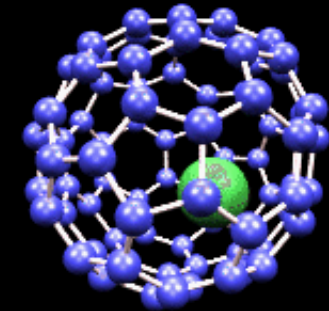
C₆₀



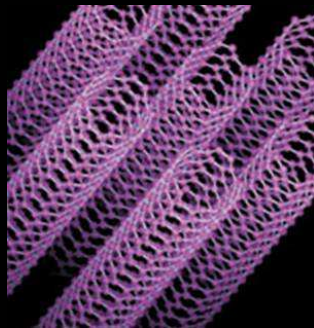
C₇₀



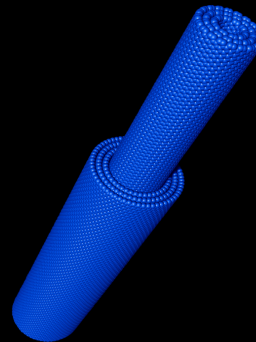
Onion



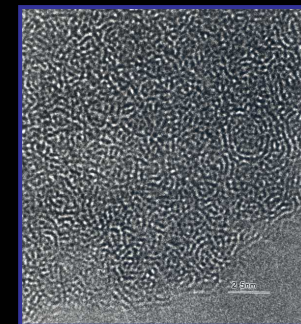
Endohedral



Single-Walled Nanotube

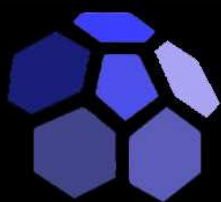


Multi-Walled Nanotube

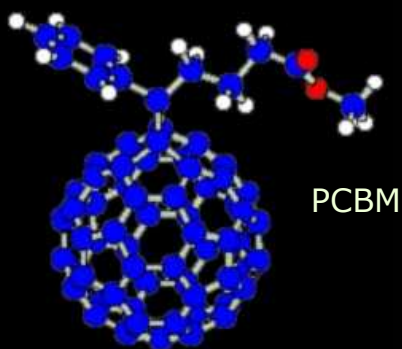


Fullerenic Black

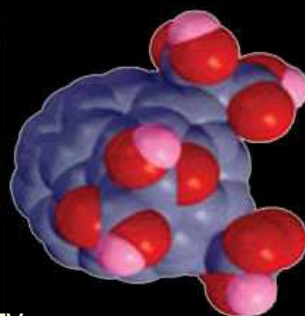
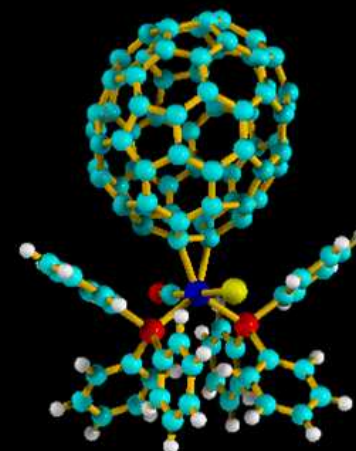
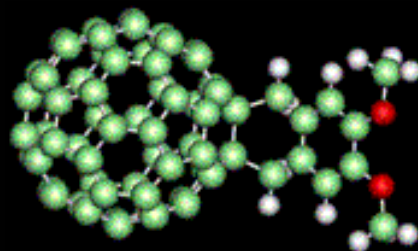




Fullerene Derivatives

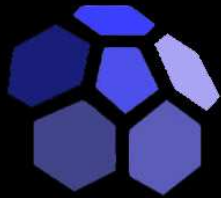


PCBM



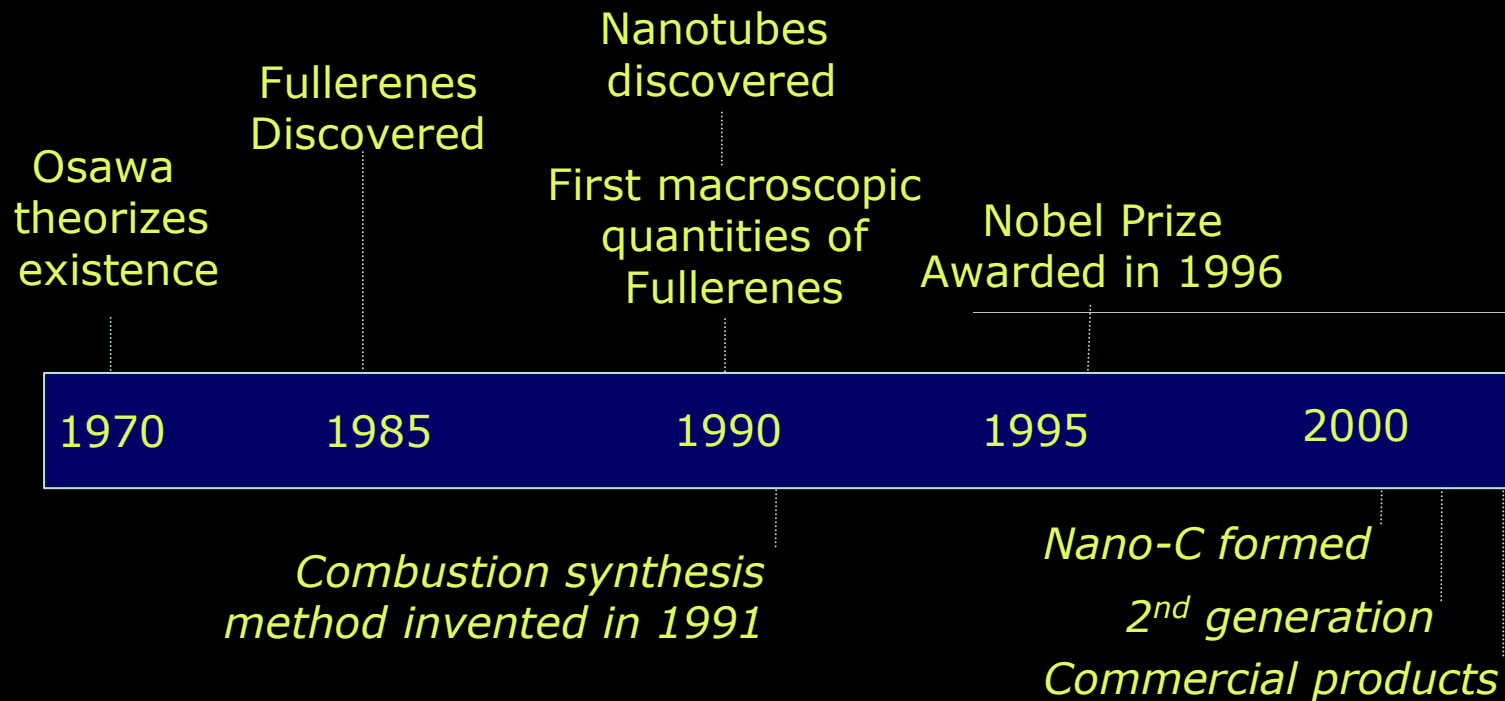
C3/C-Sixty

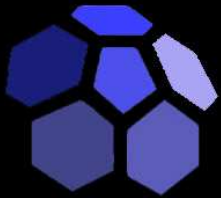




Timeline of Events

Thousands of scientific articles
and patents





Nano-C has developed a new process that produces commercial grades of fullerenes at very low cost.

Current pricing inhibits applications:

Fullerene mixtures - \$5/gram

C_{60} - \$25/gram (99.5% pure)

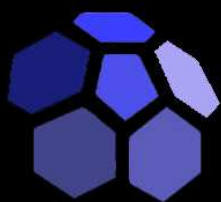
C_{84} - \$15,000/gram

Nano-C's projected pricing:

C_{60} < \$.50/gram

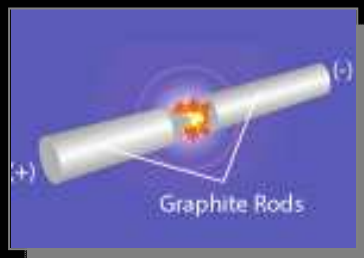
C_{84} < \$5.00/gram





Technology

Arc Synthesis



Mitsubishi/Honjo Chemical
Small Labs in Russia & China

1G Combustion Synthesis



Mitsubishi*/Frontier Carbon

2G Combustion Synthesis & Separations



Individual Fullerenes

Solvent Extraction Step

HPLC Separation Step

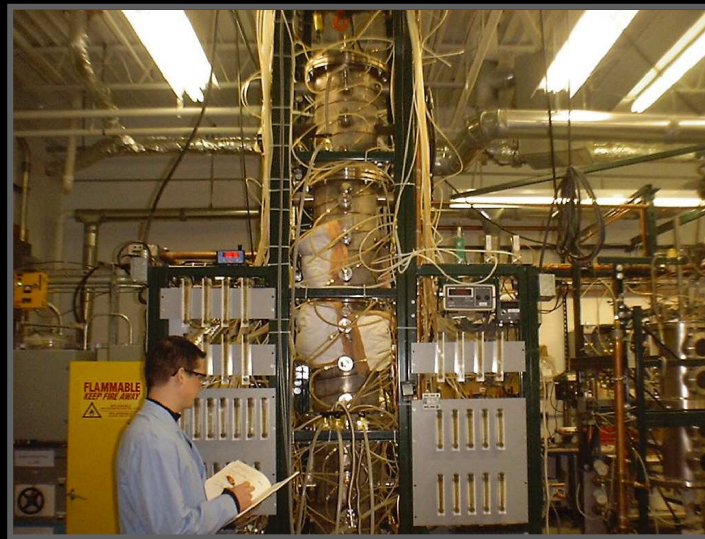
Individual Fullerenes

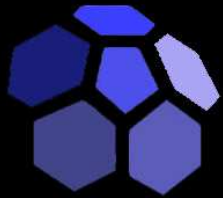
* Nano-C Licensee





We've demonstrated scalable technology and applied for patents at each step of the process.



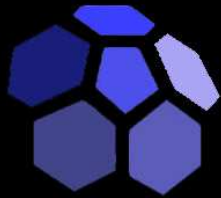


Fundamental Market Characteristic

- ***This is not a typical new market in which***
 - ***Concepts have to be proven***
 - ***Demand has to be generated***
- ***Commercially enable, not create, applications and markets***
- ***The price of nano carbon materials is the barrier to their vastly increased use***



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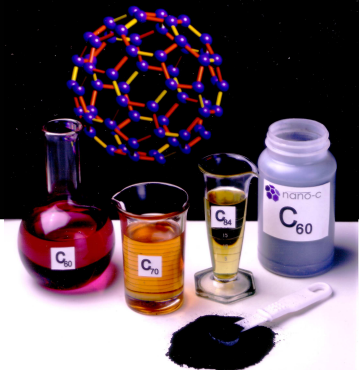
Applications are entering the market

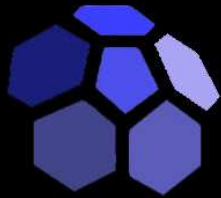
• Specialty Polymers

- **Mitsubishi Corp. + Honjo Chemical** (spin-out)
 - fuel cell PEM
- **Siemens**
 - polymer photodetector and solar cells
- **Frontier Carbon** (Mitsubishi Corp/Mitsubishi Chemical 50/50 JV)
 - low-friction urethane (They claim to have 40 active customers implementing applications)
- **Carbon Nano-Electronics**
 - EMI shielding
- **NanoFullerene Corporation**
 - Anti-corrosion

• Physiological

- **Merck & Co., Inc. + C-Sixty, Inc.**
 - neurological therapies (announced 10/16/03)
- **Mitsubishi Corp.** (spin-out)
 - anti-aging cosmetics
- **NanoBioFullerenes**
 - topical photodynamic therapy
- **C-Sixty, Inc.**
 - after-burn care creams



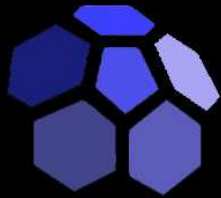


The "Company"

- ***Jack Howard – Cofounder & Chairman/CTO***
- ***Gordon Fowler – President/CEO***
- ***Eight Employees***
- ***Co-development support through lab affiliations***
- ***Private investor backed***
- ***Facilities in Westwood, MA***



nano-c



Summary

- ***Dominant technology by which nano carbon materials will be commercialized.***
- ***Enabling, not creating, applications and markets.***
- ***We're seeing a commercialization breakthrough of applications entering the market.***
- ***An IP and Partner driven business model which is getting traction.***
- ***A sales strategy that reduces the risk of getting too far ahead of market growth.***

