

FOR IMMEDIATE RELEASE

Avadain Partners with MAGFAST to Explore Revolutionary Uses of Graphene in Next-Generation Charging Devices

MEMPHIS (May 30, 2023) – Graphene technology company Avadain, Inc. today announced it entered into a memorandum of understanding to explore the use of its revolutionary high-quality graphene in MAGFAST’s industry-leading family of next generation wireless magnetic chargers, charging accessories and charging-enabled luggage.

“We are excited to collaborate with MAGFAST to bring the fantastic properties of large, thin and nearly defect free graphene flakes to MAGFAST’s incredibly popular charging devices,” said Phil Van Wormer, Avadain’s Chief Commercial Officer.

Avadain's graphene is renowned for its exceptional electrical conductivity, as well as its strength, flexibility and thermal conductivity, making it an ideal material for use in consumer electronics and other applications. The company's breakthrough technology produces the type of graphene that many industries are waiting for to make thousands of products better, and to enable a new generation of products.

MAGFAST is a direct-to-consumer electronics company offering a family of premium charging products that snap together magnetically, charge wirelessly and support any smartphone, tablet or reader from any brand... old, new or in the future. By incorporating Avadain's graphene into its suite of industry-leading products, MAGFAST hopes to achieve enhanced performance, lighter weight and increased durability, resulting in a superior customer experience.

“We are thrilled to partner with Avadain to seek ways to incorporate this 21st Century material into our next-generation products,” said Seymour Segnit, CEO of MAGFAST. “We believe that Avadain's technology breakthrough for the mass production of graphene is truly remarkable, and we are excited to work with Avadain to continue our leadership position in wireless consumer-electronics charging.”

“This partnership with MAGFAST is an exciting opportunity for Avadain to demonstrate the real-world application of our large, thin and nearly defect free graphene flakes,” said Brad Larschan, CEO of Avadain. “We are confident that our high-quality graphene will meet and exceed MAGFAST’s demanding specifications for its next-generation products, and we look forward to expanding our collaboration going into the future.”

The collaboration agreement between MAGFAST and Avadain represents a significant milestone for both companies and highlights the potential of graphene as a game-changing material in advanced electronics and other industries.

For more information about MAGFAST and Avadain, please visit their respective websites at:

<https://www.magfast.com/>

<https://avadaingraphene.com/>

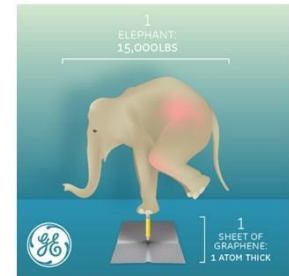
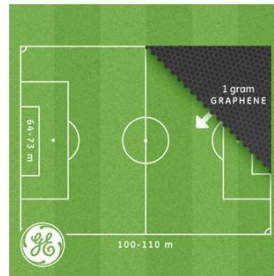
The Wall Street Journal says graphene is “An impending turning point in high tech as important as silicon and integrated circuitry were half a century ago.”

Graphene is the lightest, strongest, thinnest, best thermal and electrical-conducting material ever discovered. Graphene is the name for 10 or fewer atomic layers of carbon atoms that are bonded together in a repeating pattern of hexagons. If 3,000 or more of these layers are stacked one on top of the other, it forms graphite – best known as pencil lead. But when graphite is reduced to 10 or fewer atomic layers, it takes on fantastic properties that can power a new industrial revolution.

“Graphene may be the most remarkable substance ever discovered,” says **The New Yorker**.

Graphene’s Unique Qualities

- Strength (150,000,000 psi) – 200x stronger than steel
- Flexibility – bendable
- Thin – 1 million times thinner than a sheet of paper
- Light – a 1 gram sheet would cover a soccer field
- Heat conductivity – best material for carrying heat
- Electrical conductivity – nearly perfect conductor
- Electronic properties – electrons move through graphene at close to the speed of light
- Invisibility – transmits 97% of light (glass window transmits 80%-90%)
- Impermeability – enables water filtration & purification



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