
Advanced Materials Company Lyten Opens First 3D Graphene Fab in Silicon Valley Plant

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Lyten, Inc., an advanced materials and applications manufacturer, and inventor of its proprietary Lyten 3D Graphene™ platform, announced its first 3D Graphene fabrication facility located at its headquarters in San Jose, CA.

[Lyten 3D Graphene™](#) is a proprietary, tunable advanced materials platform that is the result of years of technological inventions by Lyten. Lyten 3D Graphene can be infused into many other materials and products to unlock higher-performance applications. For example, because 3D Graphene is an advanced form of ‘graphene’, which is a material shown to be 300 times stronger than structural steel, infusing Lyten 3D Graphene into polyethylene provides significant improvements in strength.

“We’ve been a pioneer in 3D Graphene development and are looking forward to bringing our revolutionary materials to market,” noted Dan Cook, Lyten’s CEO and Co-founder. “I’m also especially proud that our Lyten 3D Graphene technology, in addition to becoming a critical material solution across commercial and defense sectors, will emerge as a foundational materials platform to deliver global scale decarbonization outcomes.”

Lyten 3D Graphene is a specially tuned form of carbon that is extracted from methane and engineered into optimal forms depending on the application.

When Lyten 3D Graphene is infused into polyethylene, it significantly strengthens the polyethylene’s physical properties, thereby requiring less polyethylene material and enabling a lighter-weight product.

As a component within a new battery chemistry, Lyten 3D Graphene will be key to unlocking

the high potential energy density of Lithium-Sulfur cells and supporting the transformation to electric vehicles which reduces fossil fuel emissions.

Lyten 3D Graphene also greatly improves the sensitivity of next-generation active and passive sensor arrays that have the potential to significantly increase sensor detection for use in industrial, health, and safety applications.

As noted by Lyten's Chief Business Officer, John Duke, "Not only is Lyten 3D Graphene a unique, sustainable technology, but our advanced batteries, advanced composite products, and advanced sensors will be produced here in the US."

Lyten will announce further details on its business expansion plans in the near future.

Read the [original article](#) on Business Wire.