

Valgotech Develops Hybrid Battery Pack and Signs MOU with 6K Energy for Domestic NMC Supply

Valgotech has recently signed a non-binding Memorandum of Understanding (MOU) with 6K Energy

INDIANAPOLIS, IN, UNITED STATES, August 24, 2026 /EINPresswire.com/ -- [Valgotech LLC](#), a U.S. developer of advanced battery systems for defense and commercial applications, announced a

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Dr. David Olawale

new hybrid battery pack architecture designed to optimize the high energy-density advantages of lithium-metal and lithium-ion battery technologies.

Valgotech has recently signed a non-binding Memorandum of Understanding (MOU) with [6K Energy](#) to support the potential supply of cathode materials produced in the United States, thereby strengthening Valgotech’s strategy to establish a secure, U.S.-aligned battery supply chain for defense and commercial markets.

Leveraging proprietary advanced microwave plasma

technology invented in the United States, 6K Energy’s UniMelt® plasma process represents a step-change in how metal oxide cathode materials are produced by eliminating the need for conventional precursor cathode active materials (pCAM) and enabling direct synthesis instead. This approach also enhances supply chain resilience by decreasing reliance on raw materials originating from Foreign Entities of Concern (FEOCs).

The collaboration aims to support Valgotech’s development of advanced Li-S, Li-NMC, and hybrid battery systems for applications such as unmanned aerial systems, defense platforms, and other weight-sensitive energy-storage applications. “Developing advanced battery technology is only part of the equation. For defense customers, a secure, compliant supply chain is equally important,” said David Olawale, CEO of Valgotech. “Our collaboration with 6K Energy provides an important pathway to domestically produced, non-FEOC NMC materials, while our hybrid battery architecture expands the performance options available to drone and defense-system manufacturers.”

Valgotech is also participating in the inaugural [Defense Industrial Base \(DIB\) Accelerator](#) in

Philadelphia on August 24-25, engaging with defense-industry stakeholders and exploring opportunities to accelerate the commercialization and adoption of its advanced battery technologies. The company's strategy focuses on delivering Superior Safety, Performance, Affordable, and Scalable (SPAS) energy storage systems while building a resilient energy platform for next-generation defense and commercial applications.

About Valgotech

Valgotech LLC is a U.S.-based advanced battery technology company developing next-generation lithium-metal and hybrid battery systems for defense, unmanned systems, and commercial applications. The company focuses on high-energy-density battery technologies, Non-FEOC supply chains, and solutions designed to meet the evolving requirements of the U.S. defense industrial base. For more information, visit www.valgotech.com

About 6K

6K Inc. produces and innovates UniMelt® microwave plasma technology for the localized production of critical materials. 6K's UniMelt technology is applied across a vast range of markets, from additive manufacturing (6K Additive) and essential battery materials (6K Energy) to future growth sectors. UniMelt plasma creates a path to true sustainability by reducing carbon emissions, lowering energy use, and using recycled content to build a circular economy—all while reducing conversion cost and providing a secure, domestic supply chain. UniMelt is industrially operational, at scale, today, with our Headquarters and Battery Center of Excellence (North Andover, MA), and a planned full-scale PlusCAM™ battery material manufacturing plant (Jackson, Tennessee). For more information, visit www.6Kinc.com.

Martha Olawale

Valgotech LLC

info@valgotech.com

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