



## **Blueshift Unveils AeroZero® Lightweight Thermal Protection Tape for Enhanced Safety in Battery Systems**

Blueshift, a technology leader in thermal protection systems (TPS), has launched a new series of AeroZero® Tapes designed to slow temperature increases in battery systems, helping to safeguard surrounding components and mitigate the risk of damage due to thermal runaway.

AeroZero® Tapes are ideal for use on battery boxes, busbars, and other sensitive components within battery systems, where exposure to high and fluctuating temperatures can impact safety and structural integrity. The tape acts as both a thermal and electrical insulation barrier, offering robust protection during cyclical heating events that occur during operation and charging.

Already flight proven in spacecraft and aircraft applications, AeroZero Tapes are tailored for design engineers, product designers, manufacturers, and R&D teams focused on developing advanced thermal management solutions in aerospace and defense applications, where weight, safety, and ease of application are critical factors.

Tim Burbey, President of Blueshift, underscores the company's expertise in mission-critical industries like space and commercial aerospace, which reinforces the tape's reliability: "We're applying our insights to offer AeroZero Tapes to engineers and OEMs developing systems where thermal protection is paramount. This solution is especially valuable for designs with space limitations, cyclical temperatures, or those needing an easy-to-apply thermal barrier," he explains.

AeroZero Tapes offer unique customization options, allowing for tailored solutions to meet diverse application needs. Available in various widths from 5mm to 100mm and thicknesses, AeroZero Tapes can be adapted to address specific thermal challenges that other tapes on the market cannot resolve.

"With virtually limitless design possibilities, AeroZero Tapes help enhance product safety and protect brand reputation," adds Tim. "Our tapes support safe and reliable thermal protection for components that require precise, high-performance materials."

For more information on AeroZero Tapes, visit: <https://www.blueshiftmaterials.com/az-tape/> or watch the launch video.