OverPressured LLC presents:

PELTA 6
Blast Protection™

Routine blast exposures from heavy weapons like mortars and artillery pose an occupational hazard, slamming soldiers with cumulative low-level blast overpressure (BOP) that risks brain, spine, and vision damage. Studies confirm these invisible shockwaves cause neurocognitive decline, vision issues, and long-term risks like CTE. Overpressured LLC, a Veteran-owned, U.S.-based small business, is on a mission to stop BOP in its tracks. Our founding member, a mortarman who's felt the blast, designed the Pelta-6™, a patent-pending, modular personal protective attachment that slashes BOP exposure by up to 50% at the vulnerable skull-spine junction. Practical and effective. Proven in the lab and the in the field, trusted by soldiers, presented to the NATO blast research community, and now being evaluated by the US Army's Special Operations Command and the US Army's Soldier Enhancement Program, the Pelta-6™ is the first-of-its-kind solution for U.S. and allied forces.

"Pelta-6 has shown that it has potential to reduce exposure of mortarmen to the blasts generated by the mortar round launching. Current reductions of nearly 30% show that this technology may be capable of proactively reducing exposures, and therefore reducing the likelihood and severity of mTBI, for servicemembers." - Virginia Tech, 2024

"These results suggest that modifying a helmet with devices such as the Pelta-6 can have a measurable impact on how blast waves are transmitted into the brain and along brain structures. In almost every case, adding the Pelta-6 resulted in a change in the peak acceleration and strain measurements." - Vanderbilt University, 2025

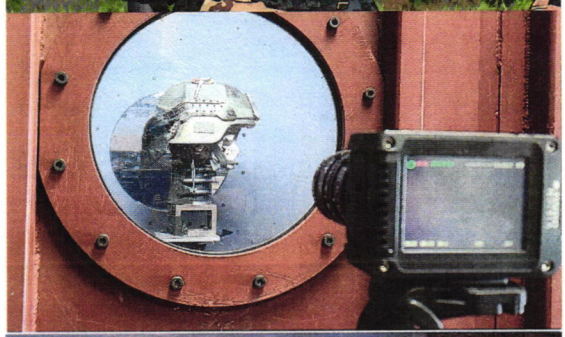
"Adding the Pelta-6 attachment to the ballistic helmet results in significantly lower median peak blast overpressure exposure to the skull base during a direct, rear blast event... Potential applications for the Pelta-6 include breacher and mortar training..." - Traumatic Brain Injury Center of Execellence (TBICoE), 2025

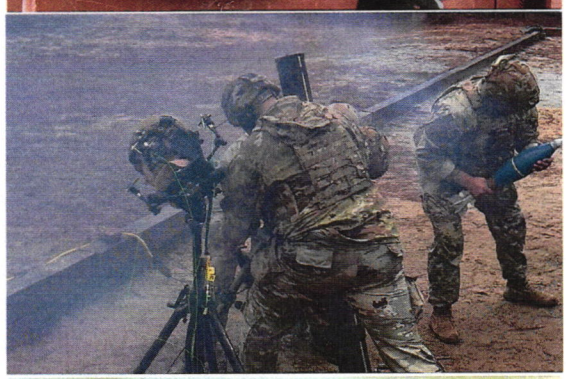
"Prelimary findings from 120mm live fire testing suggest a crew-wide average mitigation of over 40% in measured blast overpressure exposure to the base of the skull area." - Traumatic Brain Injury Center of Execellence (TBICoE), 2026

Now under evaluation with USASOC and the U.S. Army PEO Soldier (ATC).

PELTA-6™ BLAST PROTECTION
OverPressured LLC
www.OverPressured.com/pelta-6











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