PELTA 6 Blast Protection™

PROTECTION FOR BLAST OVERPRESSURE

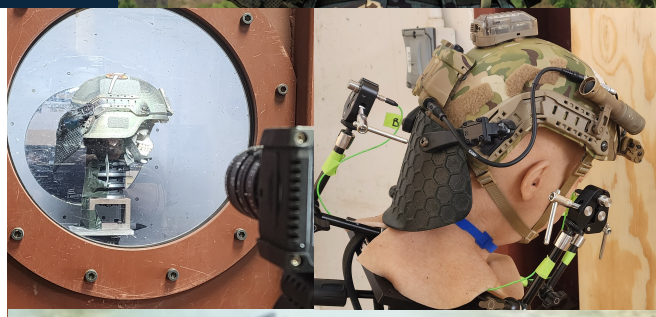
Helmet-mounted protection engineered for repetitive heavy-weapons exposure.

40%+ **PRELIMINARY CREW-WIDE AVERAGE**
blast overpressure mitigation during120mm mortar live-fire to skull-base measurements (TBICoE, 2026)



REDUCE EXPOSURE - TRAIN THE SAME

Routine mortar and artillery blast can repeatedly load the brain and neck with low-level blast overpressure. The Department of War and NATO have identified a significant gap in prevention and protective equipment for the training environment. Pelta-6™ is a patent-pending, modular helmet attachment designed to reduce blast exposure at the vulnerable skull-spine junction when firing heavy weapons such as mortars.





FIELD-ORIENTED

Operational form and function designed by a former mortar veteran to feasibly and meaningfully protect warfighter brain health where they are exposed the most - the training environment.

MEASURED EFFECT

Department of War and Independent testing proves that it works.

INDEPENDENT TESTING

VIRGINIA TECH - 2024
Nearly 30% reductions showed potential to proactively reduce blast exposure for mortarmen.

VANDERBILT UNIVERSITY - 2025
Adding Pelta-6™ measurably changed peak acceleration and strain in blast-wave transmission testing.

TBICoE - 2025 & 2026
Significantly lower median peak skull-base BOP in direct rear blast testing; preliminary 120mm mortar live-fire findings exceeded 40% crew-wide average mitigation.



PROGRAM STATUS

Current USASOC & U.S. Army PEO Soldier(ATC) evaluation

Presented to DoW/NATO blast research community.

Lab tested, field proven. TRL-9, ready to scale.

Learn More:
www.OverPressured.com/pelta-6

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