

FORTIFYD™

EVERY PLAYER · EVERY IMPACT · EVERY TIME



2 PATENTS PENDING:

“Protected from Design to Performance”

- **Design:** tunable plate-lattice impact architecture
- **Software:** algorithms for 3D printed impact and application-specific design

The Standard Is Changing. So Should the Liner.

A landmark study just found CTE in at least 1 in 4 former NFL players — and NOCSAE's 2027 standard will finally test for the rotational impacts today's foam liners were never built to stop.

1 in 4

At least 25% of 1,712 former NFL players who died from 2016 - 2021 had CTE, according to a Boston University study.

*“The biggest predictor of CTE is the **cumulative force of hits over a lifetime.**”*

— Dr. Daneshvar, study author

2027

NOCSAE's new standard, adds rotational-impact testing beyond today's linear-only, effective 2027.

“The findings should serve as a call to action across the entire football ecosystem. We all share a responsibility to advance research...develop better treatments, and support those affected by the long-term impacts of the game.”

— NFLPA statement to ESPN

Engineered for Every Impact Direction

Fortifyd replaces static EPS foam with a computationally designed lattice tuned for the full impact spectrum — no costly new molds or production-line retooling.



Stronger Protection

6x more energy absorbed. 10x tougher impacts. No extra weight. 1,000+ compression cycles.



Customizable Safety

Every helmet zone customized to its own impact profile via our patent-pending software.

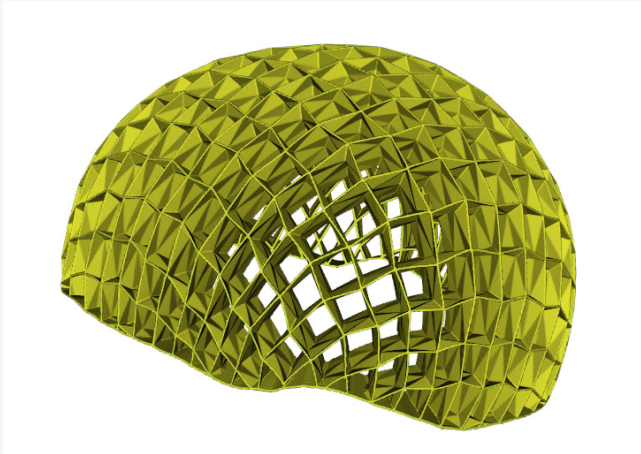


OEM-Ready

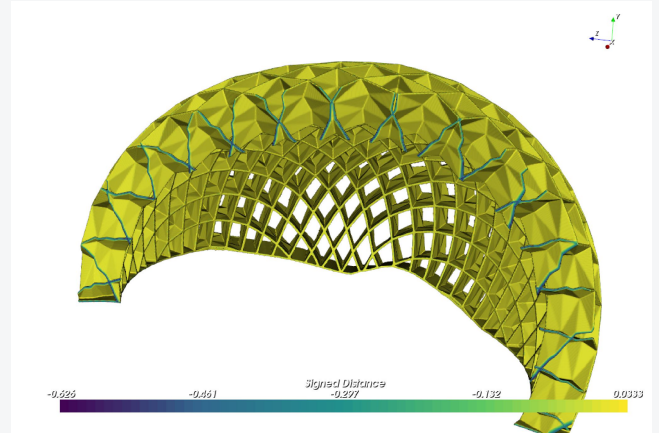
Drops into existing helmet shells — no retooled production line.

From Model to 3D Printed Liner

A working ½ scale prototype, printed from our software model — no hand-tooling, no foam mold.



Full liner geometry — half-scale, 3D-printed



Signed-distance field — simulation output

*“Four of the NFL's top five ranked helmets already come from a single manufacturer. **The next performance leap won't come from foam — it'll come from software.**”*

— NFL & NFLPA 2026 Helmet Laboratory Testing Rankings

Protected from Design to Performance

Exclusive Pilot Program - Let's take the field together!

We're looking for pilot partners — football helmet OEMs and equipment manufacturers — to run a pilot test of next-gen impact protection, ahead of the 2027 shifting industry standards.

Early pilot partners receive exclusive benefits. **Contact us to learn more.**

Rolling basis, limited slots

Teri Ham, Founder & CEO

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Sources: (1) Mez et al., *BMJ*, 2026 (Boston University CTE Center). (2–3) NFL & NFLPA, 2026 Helmet Laboratory Testing Results (nfl.com). (4) BusinessWire, “Schutt, VICIS Dominate NFL/NFLPA Rankings,” 2025. (5) Smith et al., *Advanced Materials Technologies*, 2024.