INTELLIGENT IMPACT-REDUCING HELMET SYSTEM

NEXT GENERATION PROTECTION
REAL-TIME AWARENESS
ULTIMATE CUSTOMIZATION

SAFER ATHLETES • SMARTER TECHNOLOGY • HIGHER PERFORMANCE

- REAL-TIME IMPACT ANALYSIS
- INSTANT FEEDBACK
- ENHANCED PROTECTION

WITH INTELLIGENT HELMET
- Reduces impact force
- Monitors real-time data
- Provides instant feedback

WITHOUT TECHNOLOGY
- Higher impact force
- No data monitoring
- Increased injury risk

PROTECTION THAT ADAPTS TO YOUR WORLD

- IMPACT REDUCTION
- REAL-TIME SENSORS
- CUSTOM FIT
- CONNECTED SAFETY



MODULAR SHOCK-ABSORBING PADS

External pads mounted via high-strength interfaces—snap-fit, magnetic, or threaded. Swappable for different activities, conditions, or user profiles. Available in a range of geometries (circular, rectangular, octagonal) and core materials (viscoelastic foam, gel, shear-thickening polymer). Strategically positioned based on impact risk zones—frontal, lateral, and occipital.





INTEGRATED SENSOR NETWORK

Embedded triaxial accelerometers, gyroscopes, and force sensors measure: impact force, direction, and point of contact. Sensors housed inside helmet shell and directly interfaced with each pad for secure event tracking. Onboard Smart Controller processes sensor data in real-time using embedded analytics. Tracks cumulative impact load, peak values, and injury-risk indicators. Delivers haptic or visual feedback instantly if a dangerous event is detected.

MOVE BEYOND HELMETS! CHOOSE INTELLIGENT ARMOR!

CONNECTED SAFETY ECOSYSTEM

Secure wireless transmission to mobile devices, tablets, or monitoring platforms. API-ready for integration into team dashboards, training systems, or emergency alert protocols. Cloud or local storage for compliance and post-incident analysis.

CUSTOM-FIT. FULLY ADAPTABLE.

Interchangeable pads and shell overlays to meet sport-specific or mission-critical standards.

MORE PROTECTION. MORE POSSIBILITIES.

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Patent US426660B1