



Galvion presents CORTEX: digital revolution for soldier wearable systems

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Galvion, a global leader in the design and production of advanced head protection systems, energy and data management solutions, and integrated soldier systems, has officially launched the new **CORTEX™** line during the 2025 edition of SOF Week. It is a completely new category of **smart wearable systems**, designed to enhance the operational effectiveness of the modern fighter in a digital and connected scenario.

CORTEX™: Intelligence and integration for the warfare of the future

The CORTEX™ family represents a technological evolution that merges **computing power, energy management, and data connectivity** within a modular ecosystem, fully adaptable to

the mission profile. Designed to enhance real-time decision-making, CORTEX is compatible with currently used tactical equipment, simplifying field integration.

Among the main features of the version showcased at the Galvion booth (#349):

- **Integrated processing module** with internal battery and dedicated Android operating system;
- **Integrated accessory network** for unified energy and data management;
- Compatibility with multiple communication protocols (USB, ISW, Bluetooth, Wi-Fi);
- **Optional battery module** for autonomous and untethered operations;
- **Sensor and emitter pods** with open-source architecture for third-party integration;
- **Auto-detecting VAS connection** for HUD and NVG with software-enabled AR functionality;
- **4-button physical controller** for quick tactile navigation;
- Proprietary application **AlertCentr™**, which allows viewing and managing ATAK (Android Tactical Assault Kit) functions directly from the system, reducing the need for interaction with the EUD (End User Device).



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Compatibility, modularity, and Tier 1 collaboration

All CORTEX components are **one-size-fits-all**, with adjustable hardware compatible with the range of Galvion helmet sizes, particularly the **Caiman®** and **Hellbender™** models, but also

with other selected non-Galvion systems. The demonstrated system is the result of **years of development and co-design** with Tier 1 level clients, including special forces and unspecified elite units.

Towards a new paradigm: from passive protection to integrated lethality

Galvion CEO, **Todd Stirtzinger**, stated:

"We have collaborated with some of the most advanced units in the world to envision the future of integrated wearable systems. The launch of the CORTEX category marks a crucial milestone in our technological evolution."

*"This shift – continues Stirtzinger – from passive protection to intelligent, lethal, and interoperable systems is a paradigm change. For this reason, we have invested millions in our **Warfighter Lab**, a cutting-edge laboratory to test human-machine interfaces and accelerate the learning curve. SOF Week is the ideal environment to show the world what CORTEX can do."*



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Galvion: integrated solutions for tactical superiority

Galvion is committed to developing **active systems**, integrated and adaptable, that go beyond simple ballistic protection. Its solutions support the performance, situational awareness, and

survival of the modern soldier. With over 450 employees spread across the United States, Canada, the United Kingdom, and Poland, the company proactively works to solve complex challenges, positioning itself as a technological partner of the world's most demanding armed forces.

News link: <https://www.galvion.com/newsroom/galvion-introduces-cortex-at-sof-week-2025>