Arondight45

Modular Tactical Handheld Platform

Christian Hohlfeld
arondight.eu
LinkedIn Profile
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Executive Summary

Arondight45 is a modular simulation and prototyping platform. It enables high-fidelity physical interaction design, embedded systems development, and low-latency tactical simulation through a combination of mechanical and digital subsystems.

Key Specifications

- Integrated power supply: Dual 18650 Li-Ion with OLED telemetry

- Realistic recoil simulation via solenoid and vapor feedback

- Modular ESP32-based architecture for smart control and I/O expansion

Use Cases

- AI-assisted interface testing in the field

- Simulation and feedback systems for tactical training

- Prototyping platform for cost-sensitive defense-adjacent innovation

Engineering Advantages

- Transparent, maintainable, and reproducible technology

- Printable and repairable by design — no proprietary lock-ins

- Cost-efficient for low-volume deployments and iteration cycles