CPO 90 Modular Lock Box

Project Summary

SOFWERX, in partnership with the United States Special Operations Command (USSOCOM), designed and additively manufactured a radio frequency (RF) shielding modular lock box to provide a scalable, low-cost, and locally fabricable portable electronic device containment solution that enhanced emission security and cybersecurity, supported surge operations, and enabled rapid response to mission demands through additive manufacturing.

Project Timeline

Kickoff Meeting:	03 July 2025
Final Delivery:	19 December 2025

Resources Consumed

Total Cost: $167





Project Results

SOFWERX successfully designed a scalable, modular lock box to securely store phones, access badges, fobs, and wearable electronics in EMSEC environments. The solution supported local Spark Cell production for AFSOC mission surges, enabled low-cost and scalable portable electronic device control, and enhanced cybersecurity through optional shielding applied during post-processing of additive manufacturing.