

# Engineering discipline. Field-first hardware.

A UK engineering lab building modular field hardware. Repair-forward. Documentation-led. Discipline first.

## ABOUT

## Who we are.

Flatline Dynamics is a UK engineering lab founded in 2024. We design and build modular field hardware for demanding environments — prioritising repair, documentation, and constraint-first design over marketing-led specifications.

Our programmes are developed iteratively, with public hardware standards, open documentation, and a bias toward systems that survive contact with reality. We are ITAR-exempt. All hardware is designed and manufactured in the UK.

## DOCTRINE

Repair-forward: documented repair classes, field-serviceable hardware

Documentation-led: hardware standards published and maintained

Constraint-first: real-world limits shape design, not the reverse

ITAR-exempt: no US-origin controlled components

## PRIMARY CUSTOMERS

UKDI Innovation Partners and Dstl evaluators

Special operations and specialist units

Emergency services, SAR, and field teams

Researchers, integrators, and hardware-literate operators

## PROGRAMME ALPHA

## Keystone 25

Modular carry platform. Repair-forward hardware discipline. 25mm MIL-spec webbing throughout. Field-replaceable panel and suspension system. REV A03.

STATUS	Prototype — accepting evaluation requests
REVISION	REV A03
HARDWARE	25mm MIL-spec webbing, YKK zips, ITW Nexus hardware
REPAIR CLASS	Field-serviceable panel and suspension
LEAD TIME	~2 weeks for evaluation units

## PROGRAMME BETA

## Sentinel HMD-1

Head-mounted compute and HUD platform. Field-swappable power cell. USB-C tether exit. Modular NVG bracket system. REV B01.

STATUS	Development — closed evaluation cohort
REVISION	REV B01
POWER	4000mAh primary + 1200mAh secondary, field-swappable
INTERFACE	USB-C tether exit, modular NVG bracket
LEAD TIME	Evaluation cohort when opens

## HOW TO ENGAGE

## Four channels. No callsigns.

All contact routes are monitored. Response within the SLA shown below. We operate a small lab — patience is part of the trade.

TECHNICAL      Engineering questions, system specifics, doctrine and design intent.  
SLA: 2 working days

PARTNERSHIP      Collaboration, supply chain integration, manufacturing.  
SLA: 2 working days

PRESS      Journalists, press kit, interview requests.  
SLA: 24 hours

GENERAL      Anything that doesn't fit the other three.  
SLA: 5 working days

## CONTACT

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