

LINC Innovations LLC

CAPABILITY STATEMENT · APPLIED PHYSICAL-AI & HIL VERIFICATION
LAB

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Washington State, USA

LINC Innovations engineers real-time edge sensor systems, spatial MCP infrastructure, and automated physical Hardware-in-the-Loop (HIL) verification.

CORE COMPETENCIES

- **Automated Software Assurance & HIL Verification:** physical hardware validation across COTS mobile platforms and wearable sensor suites, capturing synchronized video, logs, UI trees, and runtime debugger state.
- **Edge Sensor Fusion & Human Performance Telemetry:** real-time 100 Hz kinematic and physiological signal processing across Android, iOS, Wear OS, watchOS, and Garmin from shared Kotlin Multiplatform cores.
- **Spatial Context & MCP Infrastructure:** grounding software systems in physical object states and laboratory environments over Model Context Protocol (MCP).
- **Failure Triage at Scale:** machine-learning failure-signature clustering combined with physical hardware root-cause reproduction.

WHAT WE HAVE SHIPPED

- **SniperPulse:** live on the App Store and Google Play, phone and watch. 100 Hz inertial and biometric sensor fusion for precision rifle training and NRL22 and PRS competition.
- **LOCI:** multi-tenant spatial memory attached to physical objects over MCP, live on Google Cloud Run, Cloud SQL, and Vertex AI.
- **nerve:** our open-source device-control harness, public on GitHub and PyPI. Every benchmark run published at lincforge.com.
- **PrecisionLevel & DawnCup:** live on the App Store and Google Play across phone and watch platforms (DawnCup won Charming's launch competition, October 2026).

LEADERSHIP

- **Andrey Pogorelyy (Founder):** over 10 years of mobile systems, edge sensor processing, and hardware-in-the-loop verification at Amazon Prime Video, Paramount, and Ticketmaster.

COMPANY DATA

Legal name	LINC Innovations LLC
SAM.gov	Active, all awards, through 2027-08-17
UEI	J2A7BNJQ9YM1
CAGE	24EK2
SBA SBIR company registry	SBC_002682687
DoD SBIR/STTR (DSIP)	Registered
Business type	Small business
Location	Washington State, USA

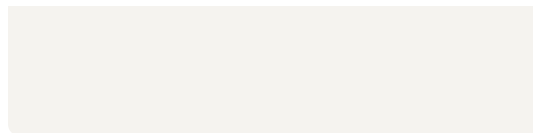
NAICS

541715	R&D in the physical, engineering and life sciences
541511	Custom computer programming services
541512	Computer systems design services

PSC

AC12, DA01

- At Prime Video he architected a machine-learning failure-triage system that clustered 500K+ test results a month at 98% accuracy.



Every registration value above can be looked up on sam.gov. Contact hello@lincinnovations.com.