

CAPABILITY STATEMENT

Noah Labs AI, Inc. · SENTINEL, an AI-native IDE for government and regulated industries

Noah Labs AI, Inc.
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CORE PLATFORM: SENTINEL

Noah Labs builds an **AI-native IDE for government and highly regulated industries**, where modern AI tools fail because of air-gapped environments, legacy codebases, and strict compliance requirements. SENTINEL replaces generic cloud copilots with a fully air-gapped, on-device, agentic system that reads, modifies, tests, verifies, and documents large legacy codebases across **C, C++, Ada, Fortran, COBOL, and Rust**, including ICD-driven interface work across aircraft and platform versions.

KEY CAPABILITIES

AI Engineering, End to End
Reads, modifies, tests, and documents whole codebases
Requirement-to-code-to-test traceability

Legacy Modernization
C, C++, Ada, Fortran, COBOL, and Rust
Translation with proof-backed equivalence

Security & Compliance Built In
Evidence packages that accelerate ATO
DISA STIG hardened; NIST 800-53, FedRAMP, CIS

Air-Gapped & Sovereign
Runs offline on local models, no data egress
Deployed inside the firewall, a familiar IDE

PROVEN OUTCOMES

9x
faster R&D to ATO process

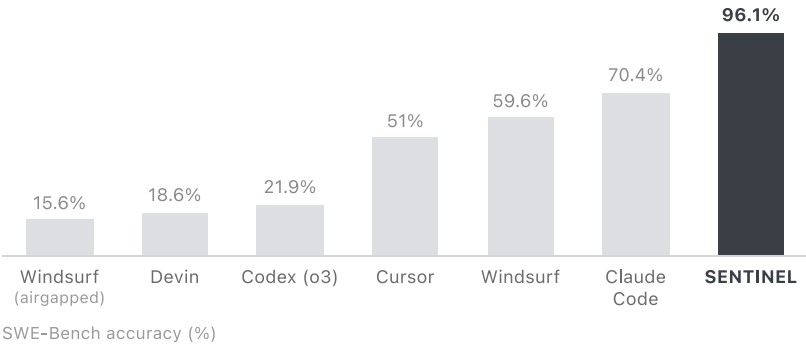
15x
productivity gains

550%
faster prototyping

200%
code comprehension

96.1%
SWE-Bench accuracy

BENCHMARK: SWE-BENCH ACCURACY



DEPLOYMENT READY

- Air-gapped, sovereign deployment ready
- Containerized delivery for controlled environments
- Familiar VS Code-based IDE (SENTINEL Studio)
- Local model packs, no outbound network dependency

PAST PERFORMANCE

-  Legacy defense software modernization engagement with **Lockheed Martin**
-  Commercial revenue from an **international airline**
-  Commercial revenue from a **top-100 global bank**
-  Selected for **JIFX**, Naval Postgraduate School field experimentation
-  Selected for **T-REX**, joint DoD readiness experimentation

ICD & INTERFACE INTEGRATION

- Analyze ICDs against existing implementations
- Generate parsers, decoders, schemas, adapters
- Map aircraft parameters to canonical structures
- Generate unit, boundary, and regression tests
- Trace requirements to code and to tests
- Re-verify on aircraft or ICD version changes

CONTRACT VEHICLES

**DoD Tradewinds** Solution
Marketplace: awardable for direct acquisition, expediting procurement

 Approved for **Microsoft Government Community Cloud (GCC)** eligibility, Category 2 and Category 3

NAICS CODES

- 541511** Custom Computer Programming Services
- 541512** Computer Systems Design Services
- 541519** Other Computer Related Services
- 541715** R&D in Physical, Engineering, Life Sciences

COMPANY INFORMATION

UEI
CAGE Code
Business Type
Work Area
POC

KF3URLQJMK48
2OLD6
Small Business
CONUS / OCONUS
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