Minsky™ Assure

AI-Accelerated Software Testing & Code Audit

Minsky™ CodeTest + Minsky™ CodeAudit | From Years to Weeks | Sovereign by Design

Weeks	~83%	100%	Every Build
not years, to a full assessment	lower assurance cost per project	in-region, zero data egress	continuous test & audit

The Challenge

Governments, regulators and critical-infrastructure operators rightly demand that software be tested, reviewed and evidenced before it goes live. But the traditional assurance model is manual and sequential: test planning, test execution and code review run one after another, often taking **two to three years** and costing **millions of dollars per project**. Every major release re-enters the queue. Meanwhile, the buyer waits for value it has already paid for, and the vendor waits for revenue.

The Solution

Minsky™ Assure bundles two AI-native platforms from the Minsky™ Platform Suite into a single assurance offering. Test generation, code audit and evidence assembly run **in parallel** under human-in-the-loop (HITL) governance, with a complete audit trail — compressing the work that precedes certification from years into weeks, and keeping every subsequent release compliance-ready.

Minsky™ CodeTest

Full-stack test-case creation and testing.

- AI-generated unit, integration, API, UI and regression test suites
- Requirement-to-test traceability matrix built automatically
- Edge-case, negative and boundary test generation
- Automated execution with coverage and defect reporting
- Regression suites refreshed on every build

Minsky™ CodeAudit

Automated code review for standards, defects and traceability.

- Coding-standard conformance (MISRA, CERT, OWASP and custom rules)
- Defect-pattern and security-weakness detection
- Traceability gap analysis from requirement to code to test
- Prioritised findings with AI-suggested remediation
- Legacy code analysis and migration to modern platforms

How It Works

1 — Ingest
Source code, requirements and architecture loaded into a sovereign, in-region environment.

2 — Generate & Audit
CodeTest builds and runs test suites while CodeAudit reviews code — in parallel.

3 — HITL Review
Expert engineers validate findings, approve tests and sign off each stage.

4 — Evidence Pack
Traceable, certification-ready reports mapped to the relevant regulatory controls.

Flexible Deployment Models

Sovereign Cloud Subscription

Multi-tenant, hosted in-region. Ideal for software vendors, system integrators and mid-size enterprises.

- Per-project subscription tiers
- Fastest time to start

On-Premises Licence

Installed on your own servers for ministries, defence, banks and giga-projects.

- Perpetual licence + annual support
- Code never leaves your premises

Sovereign AI Instance

Dedicated, managed instance on national AI infrastructure with in-region models.

- Fully isolated, annual subscription
- Built for national programmes

Accelerated Assurance Engagement

AI Labs-led assessment of a single platform, delivering a certification-ready evidence pack in a target of 8–12 weeks.

Partner & White-Label Program

Testing labs and QA service providers license Minsky™ Assure to accelerate their own client engagements.

Traditional Assurance vs. Minsky™ Assure

	Traditional assurance	Minsky™ Assure
Turnaround	Typically 2–3 years	Target 8–12 weeks for a first full assessment
Cost	Millions of dollars per project	A fraction of the cost, or a predictable subscription
Method	Manual, sequential test and review	AI-generated tests and automated audit in parallel, HITL sign-off
New releases	Each major release re-enters the queue	Continuous testing and audit on every build
Data sovereignty	Code shared with the service provider	In-region sovereign cloud or customer premises
Evidence	Static report at the end	Live traceability: requirement to test to finding to fix

Who It's For

Software Vendors

Clear certification gates faster and enter regulated markets sooner.

Government & Regulators

Assure every platform before go-live, without the backlog.

Banks & Critical Infrastructure

Continuous compliance with sector and cybersecurity controls.

QA & Testing Firms

Multiply delivery capacity through the partner program.

Built for Sovereign Markets — Launching Globally

Minsky™ Assure launches globally with the Kingdom of Saudi Arabia as its lead market, where NCA Essential Cybersecurity Controls apply to government entities, government-affiliated organisations and critical-infrastructure operators, and sector regulators add their own frameworks. Rule packs map findings and evidence directly to these controls, with Arabic reporting. The same model extends across the GCC and to every market where sovereignty, data residency and speed to deployment matter.

KSA	GCC	Global	In-Region
Lead launch market	First expansion wave	Sovereignty-driven markets	Hosting in every market

The AI Labs Advantage

Lower TCO
Lower offshore delivery costs, passed through as a fraction of traditional assurance pricing.

Sovereign Deployment
Source code, test artefacts and evidence stay in-region, with zero data egress.

AI Native — Not Bolt-On
AI-assisted traceability, test generation and review built into the workflow.

No Lock-In
You own your test suites, audit reports and evidence packs.

About AI Labs, Inc.

AI Labs, Inc. — Enterprise AI company delivering a full-stack, proprietary, sovereign, multi-vertical platform at global scale.

Founded in 2021 and headquartered in Tempe, Arizona, AI Labs builds the Minsky™ Platform Suite — AI-native enterprise platforms orchestrated by the Minsky™ AiFactory engine with HITL governance and a full audit trail. Engineering is performed by NexGen AI Solutions Pvt Ltd, AI Labs' fully-owned offshore delivery centre in Hyderabad, India, with offices in Canada and Riyadh, Saudi Arabia.

Strategic partners: SDAIA · Apollo Hospitals · BrainChip Holdings · TSAB · TD Synnex · Demand Chain

11	4	6	100%
Proprietary Platforms	Global Offices	Strategic Partnerships	Sovereign-Ready

From years to weeks. From millions to a fraction. Sovereign by design.

Book a Minsky™ Assure demo or a paid pilot on your platform

AI Labs, Inc. | 430 W Warner Rd, Suite 113, Tempe, AZ, USA | www.ailabsinc.ai