



CASE STUDY · FINTECH

Securities cloud-native speed.

A top-tier securities group, listed on multiple major exchanges, running brokerage, wealth management, investment banking and asset management across domestic and international markets. Founded in the early 1990s and now one of the largest securities firms in its country, with close to 17,000 professionals and a substantial position in market making, underwriting, institutional services and retail trading.

AMANAH · SOVEREIGN AI INFRASTRUCTURE



Four constraints on a securities platform



01

Legacy architectures limiting digital acceleration

Traditional systems constrained the ability to support modern development architectures, secure production environments and autonomous IT operations.



02

Low R&D efficiency and slow application delivery

Fragmented tooling and infrastructure slowed R&D processes and delayed business innovation.



03

Operational complexity across heterogeneous infrastructure

Managing diverse infrastructure environments reduced operational efficiency and hindered unified control.



04

Limited observability impacting fault diagnosis

Without full-stack observability, identifying and resolving production issues required significant manual effort.

Four constraints on delivery, each with its answer beside it.

The platform that answered them



01

Cloud-native multi-cluster architecture with standardized DevOps pipelines

A distributed platform enabling elastic scaling, high availability and consistent delivery across environments.



02

Unified platform for secure production and autonomous IT control

Strengthened secure production and autonomous operations, improving stability while reducing manual intervention.



03

Standardized cloud-native delivery for R&D efficiency

Standardized pipelines improved R&D efficiency, ensured predictable releases and supported agile innovation.



04

Full-stack observability for operational control

End-to-end observability enabled rapid fault diagnosis and stronger operational governance.

Speed came from standardized pipelines and fewer hands on every release.

180+ applications, 800+ nodes, 60% faster deployments.

180+

APPLICATIONS MIGRATED

Core and supporting securities applications modernized and moved to a cloud-native platform.

800+

NODES OPERATING

Infrastructure scale supporting high-throughput, low-latency workloads.

60%

FASTER DEPLOYMENTS

Standardized DevOps pipelines reduced deployment time for rapid feature delivery.

50%

O&M EFFICIENCY

Operational efficiency improved through automation, unified observability and less manual intervention.

Four measured outcomes, on one platform, across three layers.

Delivered on the Sovereign Stack.



INTELLIGENCE

Sovereign AI Platform

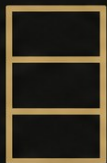
Applied AI where the business needs it: risk control, anomaly detection and advanced analytics inside the securities platform.



PLATFORM

Sovereign Cloud Platform

The cloud-native operating system for container orchestration, microservices governance, DevSecOps enablement and full-stack observability.



INFRASTRUCTURE

Sovereign Virtualization

The secure, scalable infrastructure foundation for high-performance securities workloads and regulatory isolation.

Every layer is delivered with source code access and know-how transfer, operated by the client's own team.

Capabilities, references, platform provenance and technical sovereignty.

Capabilities and references

The capabilities, deployments and case studies in this document are the work of our team. Client confidentiality is maintained; reference engagements are available for direct verification under NDA on request.

Platform provenance

Our platform is 100% CNCF upstream, with no proprietary fork and no closed abstraction layer. Our team holds CNCF Gold membership and ranks among the leading contributors to the open cloud-native and AI ecosystem.

Terms of engagement

Our terms of engagement include source code access, know-how transfer to the client's technical staff, and upstream compatibility with the CNCF community.

Source code, transferred knowledge and upstream independence are what separate technical sovereignty from sovereignty as a marketing claim.

Own your intelligence.

Amanah provides an end-to-end sovereign AI stack, from AI infrastructure and model serving to enterprise AI applications. Every layer is ours, with patents behind the platform, so every layer can be run by your own team: source code access and know-how transfer, inside your own jurisdiction.



AI INFRASTRUCTURE

Sovereign compute, storage and networking, with heterogeneous AI accelerators managed and scheduled under one layer.

MODEL SERVING

Model deployment, inference and governance. Among the Original 14 certified for CNCF AI Conformance.

ENTERPRISE AI APPLICATIONS

Working systems on your own data and processes, like the one in this document. More than 1,000 enterprise AI projects across 20 industries.

Your Vision. Your Stack. Your Control. Your Intelligence. Our Knowhow Transfer.