

# NAN SHAN LIFE INSURANCE COMPANY



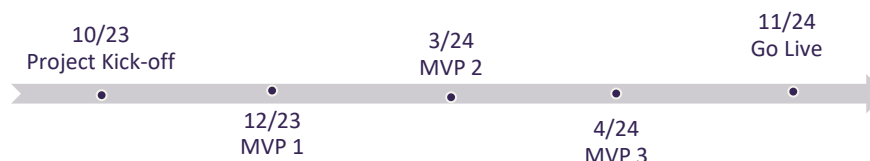
**INITIATIVE** GenAI-enabled Sanctions Investigation

## EXECUTIVE SUMMARY

Shan Life Insurance developed a GenAI-powered sanction search system to automate compliance reviews of over a decade's worth of non-digitized records of past sanctions that its local regulator has issued to insurance companies.

Previously, this process required three staff members to spend two to three days per topic, across 50–100 topics annually. By integrating generative AI, OCR, and dynamic prompt injection, the new system now finds relevant sanctions in minutes with 90% precision and 100% recall of sanctions searches. Notably, the platform improves the initial ChatGPT model with home grown innovations: AI Agent Orchestration, Data Structure Optimization, Intelligent Search and an Expert Guidance Wiki.

## TIMELINE



## KEY BENEFITS

- **Significant Reduction in Manual Effort:** Review of sanction records reduced from three people spending 2–3 days per topic to a process handled by AI taking only minutes, saving approximately 450–900 workdays per year (based on 50–100 topics annually).
- **Improved Accuracy and Consistency:** Achieved 90% precision and 100% recall in identifying relevant sanction information, ensuring compliance reviews are both thorough and reliable.
- **Faster Compliance Turnaround:** Near-instant analysis and reporting on sanction records allows compliance teams to respond rapidly to new business needs or regulatory events—previously a multi-day process.

**KEY VENDORS** Microsoft Azure

**READ MORE** Visit [Celent.com](https://www.celent.com/en/insights/nan-shan-life-gen-ai-sanctions-investigation) to learn more about this initiative and all of the 2025 Model Risk Manager winners

