

Smart Alert Management Solution For enhanced Risk Management

Banks and Financial Institutions (FIs) are at increased risk today, given the rising sophistication of financial crimes, worldwide. Existing rule-based alert systems fall short of requirement as they address only a known set of scenarios. Result—a high percentage of false positives and negatives while missing out on the truly suspicious ones. This further leads to revenue loss, heavy penalties for non-compliance and loss of brand reputation and image.

Banks and FIs need an alert management solution that not only provides accurate information from multiple sources but also offers efficient fraud identification and management in real time.

The Mindtree-Tookitaki Alert Management Solution (AMS) is a dynamically adaptive model based on Artificial Intelligence (AI) and Machine Learning (ML) that is relevant to business at all times. It is a completely automated, highly accurate, self-learning solution that detects new, suspicious cases with ease. In addition, we offer end-to-end integrated services with advanced analytics for improved business agility.

Key Differentiators

CURRENT-STATE AMS

- Broad and hand-coded rules
- Limited to known set of scenarios
- Inability to address unknown cases
- Too many false positives and negatives

- Time and resource intensive
- Subjective
- Error-prone

- Unknown cases causing quality slippages due to manual
- Constant need for infrastructure upgrades to meet changing business environments

- Audit of alerts, currently a 'blackbox'
- High risks of non-compliance
- Lack of transparency

STATIC RULES

MANUAL-INTENSIVE

QUALITY SLIPPAGES AND NEED FOR UPGRADES

LACK OF AUDIT FEATURES

DYNAMICALLY ADAPTIVE PLATFORM

FULLY AUTOMATED WITH EMBEDDED INTELLIGENCE

ACCURATE INSIGHTS AND ADAPTIVE MODELS

COMPREHENSIVE AUDIT FEATURES

MINDTREE -TOOKITAKI AMS

- Unique combination of supervised and unsupervised algorithms
- Addresses all aspects of financial crime management and compliance requirements
- Deep learning techniques to capture intricate relationships between transactions, demographics and risk profiles

- Not dependent on individual experience and interpretations
- High accuracy with confidence scores
- Decisions based on model predictions

- Advanced predictive analytics for accurate insights—models kept relevant in real-time
- Continuous learning of data patterns enabling quick updates
- Self-learning ability

- Every instance of alert detection, explained
- Every single change made recorded with identity details

Business Benefits



High detection rate of 'true' positives—Improved investigation efficiency

- 30% decrease in false alerts
- 35% to 40% increase in process efficiency



Enhanced customer retention and loyalty

- Process efficiencies ensuring significant reduction in time taken for credit approvals



Reduced Total Cost of Ownership

- End- to-end workflows for integrating disparate systems and managing alert backlogs in a systematic and automated fashion
- User-friendly and easy-to-integrate interfaces resulting in minimal people dependency, training expenses and churn costs
- Continuous learning of data patterns, improved productivity



Comprehensive alert audit enabling transparency and compliance

- Explanatory rules for better control
- Self-learning and automated detection of new rules
- Smart sampling
- Continuous improvement of alert prediction



Scalability and faster go-to-market

- Highly scalable platform that accommodates changing business requirements
- Real-time updates to ensure relevance in a fast-changing AML environment
- Continuous addition of new suspicious cases for better alert management



Success Stories

Global Bank reduces operational costs by 30% with alert management and predictive analytics

A global bank was struggling with a number of false positive alerts. Its manual audit process was also resource-intensive and error prone.

We built a stacked false alert management model with rules matching matrix and rules mining capability for the Bank.

Benefits:

- Ability to tackle unbalanced data, improve alerts management using predictive analytics
- Saved more than \$1 Mn in operational costs—30% improvement
- Improved compliance through automated backlog management

Investment Bank achieves 95% accuracy with automated KYC screening using AMS

The bank was using a traditional KYC process based on static rules which could work only in known scenarios. As a result, detection of misclassified or problem cases was taking a significant amount of time.

We implemented an automated KYC screening solution for the Bank.

Benefits:

- 95% accuracy in screening process
- 20% reduction in annual operational cost
- Quick detection of misclassified cases

Learn more about our services and solutions in **Banking** and **Financial Institutions**.

To contact our experts, write to us at info@mindtree.com

About Tookitaki

Tookitaki is a fintech AI start-up focusing on compliance and regulatory risk workflows. Incorporated in 2014 in Singapore, it is led by a core team with 30+ years experience in finance, AI and big data analytics. Accredited by SG Digital in October 2017, they have won critical accolades including being among the Top 21 FinTech AI start-ups in 2017 and the Top 7 in APAC by Medici. Tookitaki was also the winner of the 2016 MAS award in the SME category for disruption in KYC and AML space.

Visit www.tookitaki.com to learn more.

About Mindtree

Mindtree [NSE: MINDTREE] delivers digital transformation and technology services from ideation to execution, enabling Global 2000 clients to outperform the competition. "Born digital," Mindtree takes an agile, collaborative approach to creating customized solutions across the digital value chain. At the same time, our deep expertise in infrastructure and applications management helps optimize your IT into a strategic asset. Whether you need to differentiate your company, reinvent business functions or accelerate revenue growth, we can get you there. Visit www.mindtree.com to learn more.