



SONAR Transaction Monitoring Fintech Solutions

19 AI
patents

Trusted global payments

Digitization in the payments landscape is creating opportunity for fintechs while introducing new complexity into the financial ecosystem. Financial crimes are constantly on the rise, driven by cyber-attacks, identity theft and data breaches. Global regulatory guidance is increasing, as well as enforcement by fines. Weak AML controls can open the door for financial crimes such as money-laundering, terrorist financing, human trafficking, and other illicit schemes.

+200M
accounts
monitored
a year

Introducing SONAR, an AI-powered SaaS solution that helps detect financial crimes effectively

ThetaRay's SONAR is a cloud-native SaaS solution for fintechs to easily launch AI-driven transaction monitoring and screening that efficiently detects and prevents money-laundering (AML) and other financial crimes, allowing new business opportunities through trusted and reliable payments.

Using an advanced form of AI called "artificial intelligence intuition" and a family of proprietary, patented algorithms, SONAR analyzes data dynamically without relying on predefined scenarios or models. Tier 1 banks and global regulators have chosen the technology to deliver reliable results.

+14B
transactions
analyzed a
year

This unique approach factors in dozens of risk indicators associated with financial crimes to paint a clear picture for compliance teams to detect transactions indicating suspicious activities. As a result, SONAR can deliver 95% investigation worthy alerts.

ThetaRay's advanced, unbiased AI can also detect new and unpredictable typologies, or the "unknown unknowns." Full-stack architecture supports an optional rules layer for onboarding or to meet specific regulatory requirements.

Additional capabilities: 60 out-the-box risk indicators covering all major global risk typologies developed with fintechs and global banks. Pseudo-customer identities: create proxies of customers to isolate high-risk originator or beneficiary (non-customer) activity to identify complex risk patterns.

What's in the SONAR solution

- Transaction Monitoring (unsupervised, semi-supervised and rules)
- Sanction Screening (AI, fuzzy logic and real-time transliteration into 25 languages)
- Single Case Management System



How SONAR works



Data preparation

- Import data via standard APIs
- Clean bad data
- Data flows into the analytics platform



Analytics

- Unsupervised, semi-supervised, and rules analysis
- Normality learning & anomaly detection
- Risk evaluation
- Screening to stop transfers to sanctioned entities



Investigation Center

- Manages alerts of detected anomalies
- Queue optimizes workflows
- Monitor and screen transactions within a single integrated case management system.

How fintechs benefit from ThetaRay SONAR

- Accelerate partner ecosystem growth
- Satisfy regulators and open revenue streams with new corridors
- Fast and easy out-of-the-box implementation, even within days
- Avoid blocking and/or slowing down transactions
- Reduce false positives and investigation time significantly, for lower total cost of compliance
- Identify unknown cases in projects



50%



Grow your business by up to 50%

Identifying risks more accurately and precisely enables you to grow business in countries and segments considered to be higher risk.

95%



Deliver cost-effective results with 95% detection worthy alerts

SONAR delivers reliable results, with some 95% of flagged transactions detection worthy. As a result, analysts cut by more than 50% the time spent on investigations.

100%



Detects unknown cases

Our proprietary AI method replaces human bias, giving the system the power to recognize anomalies and find unknowns outside of normal behavior, including completely new typologies.

ThetaRay Investigation Center



Grow your business with trusted payments

ThetaRay's AI-powered SONAR transaction monitoring solution allows banks and fintechs to expand their business opportunities through trusted and reliable cross-border payments. The groundbreaking software also improves customer satisfaction, reduces compliance costs, and increases risk coverage.

ThetaRay's technology is the only packaged SaaS offering that analyzes SWIFT traffic, risk indicators and client/payer/payee data to detect anomalies indicating money laundering activity across complex, cross-border transaction paths in a single unified platform. Financial organizations that rely on highly heterogeneous and complex ecosystems benefit greatly from ThetaRay's unmatched low false positive and high detection rates.

Learn more at thetaray.com

 THETARAY