

NetReveal AML Optimization

Data-driven approach empowers in-house resources to optimize detection scenarios

The challenge

Financial institutions are overwhelmed with the increasing volume of alerts generated by mandatory transaction monitoring systems and are unable to maximize their investigative resources. Industry estimates suggest at least 95% of the alerts are false positives. Identifying and reporting on truly suspicious activity is getting harder and putting greater burden on investigation teams.

Financial institutions using outdated detection models that remain unchanged from their original creation and implementation may be leaving many suspicious transactions undetected. Constantly evolving threats require continuous scenario improvement.

The current high demand for skilled investigators and data scientists are causing financial institutions to look at greater return on their existing technology investments to include analytics, automation, and operational efficiencies.

Regulatory authorities are increasingly leaning on FIs to not only justify the rationale behind AML model changes, but also to validate the efficacy of existing models and the assumptions on which those models were built as part of a wider model risk governance program.

BAE Systems positioned as a “Category Leader” in the Chartis Research AML and Watchlist Monitoring Vendor Landscape for 2019

Chartis Research,
“Financial Crime Risk Management Systems:
AML and Watchlist Monitoring. Market Update and
Vendor Landscape, 2019.”

Our approach

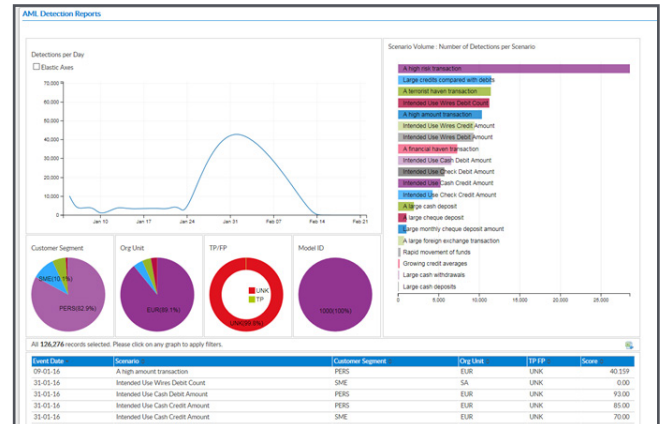
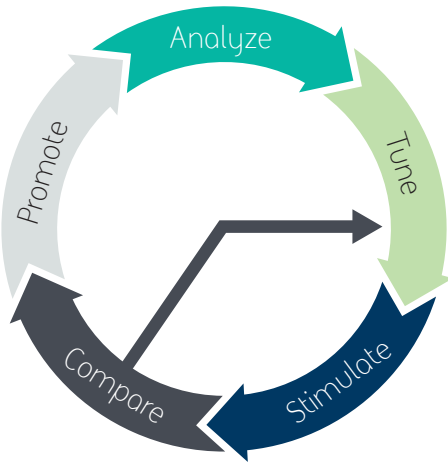
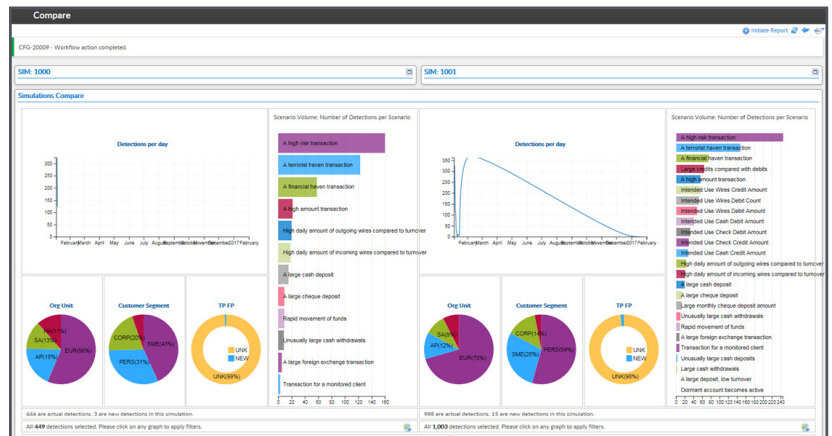
The NetReveal® AML Optimization solution provides a structured, user-friendly methodology to ensure the sustained effectiveness and competence of your AML transaction monitoring and detection program – helping financial institutions enrich ongoing compliance, increase the number of productive alerts, and minimize false positive alerts.

NetReveal AML Optimization is a self-service solution that provides financial institutions with:

- **Profile store manager for AML Optimization big data** – compliance analysts can define, build, and deploy profiles directly within the solution to improve and speed up decisions. Easily simulate true positive and false positive rate changes within the production scenarios
- **Machine learning algorithms** – can be scheduled to review detection results of rule-based monitoring systems and propose the optimal parameters that make up those rules. The approach significantly reduces false positives, improves efficiency, and lowers operation costs
- **Model management and audit logging** – optimizes model governance by giving analysts the ability to demonstrate to auditors and management their rationale and justification behind decisions made for scenario model changes
- **User-friendly interface** – a packaged, easy to use solution, that’s designed specifically for analysts – not data scientists or engineers. Parameters can be tuned, analyzed and tested in a visual way for quick interpretation and remediation

Additional capabilities

Feature	Benefit
Simplified Data Synchronization	Easily import production data into the AML Optimization environment without IT or vendor support.
Simulation Comparison	Quickly compare simulation results against existing production environment, another simulation, or both using intuitive dashboards with a breakdown of daily false positives and new alerts as well as customer segment and volumes per scenario.
Alert Trend Analysis	Evaluate the effectiveness of existing production models and underlying scenarios against investigation outcomes to rapidly uncover coverage gaps, inefficiencies, and areas in need of tuning. Analysts can select scenarios in a specified timeframe to understand true positives vs. false positives and determine if the thresholds should be increased.
AML Optimization for Big Data	Built to handle growing data volumes and crime complexity, provides a significant decrease in batch processing times against transactional data, offers the flexibility to choose an underlying database, and supports data lake storage.



AML Optimization ensures efficient and effective anti-money laundering detection and model lifecycle management.

Adjudication Compare and Detection Analysis Detail helps evaluate the outcome of modified detection models against real-life outcomes of existing models.

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