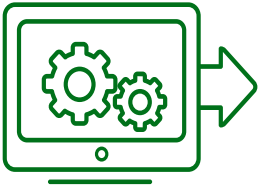




Detection Model Updates at the „Push of a Button“



What problem are we solving?

Banks are starting to recognize the value of using AI and Machine Learning in the optimization of financial crime detection, especially in the areas of Fraud and Anti-Money Laundering. The following challenges arise from the implementation of analytical modelling in the detection process:

Know-how & Infrastructure

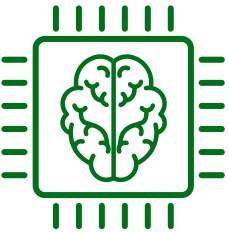
Analytical know-how is still not established in Anti-Financial Crime departments. Initial investment in AI-platforms can appear extremely high (infrastructure, management, data science personnel).

Time to Market

Swift adjustments to detection logic in response to changing typologies appear extremely difficult as the existing processes of analytical modelling and operationalization are highly time consuming. Many data science teams lack business know-how which leads to misinterpretation of results.

Acceptance of Machine Learning Models

The results of machine learning algorithms are often difficult to interpret. This lowers the acceptance of machine learning driven detection logic in Anti-Financial Crime departments.



Our Solution: spotixx Fraud Analytics Service

What is the spotixx Fraud Analytics Service?

Our software-as-a-service is available in a subscription model and includes the automated development and roll-out of Financial Crime detection models. Our software solution supports a fully automated process.

What do we deliver to our customers?

We deliver always up-to-date and individually optimized fraud detection rules and/or scorecards with adjustable KPIs (False/Positive-Ratio, Detection Rate etc.) in various formats.

What types of financial crime is the service applicable to?

The spotixx Fraud Analytics Service is based on Machine Learning methods and applicable to a wide range of financial crime typologies (e.g. payments, loans, insurance claims etc.).

What are the customer deliverables?

Our customers provide pseudonymized transaction data including fraud flags, which are then processed in our own data center. Our customers do not require any additional infrastructure or resources.

Client data cannot leave the bank. What other options exist?

We have thought of this as well – we can install a lightweight processing engine directly inside the bank and support the modelling and rule creation from our remote administration services and customer web portal.



USPs of our Solution



Interpretable Detection Models

We develop and update our machine learning algorithms in partnership with universities in Germany, leveraging the cutting edge of academic research in the field. Our solution is unique as we provide results which are human readable, easy to interpret by business users and easy to implement directly into detection logic.

Fast Go-To-Market

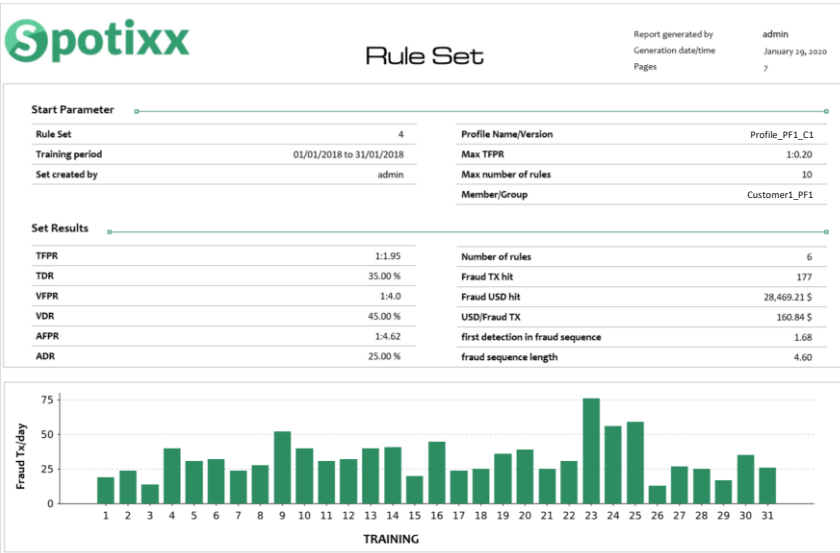
Our end to end process from model development through to production readiness is fully automated, enabling us to quickly respond to changing risks and typologies in the marketplace. Our business rules and scorecards are compatible with any existing monitoring system used by our customers.

Minimal Footprint

No investment in hardware, software implementation or new Data Science personnel necessary.

No Project Risk

Our spotixx Fraud Analytics Service optimizes your current detection logic and works hand-in-hand with your existing monitoring systems. Historic investments can be secured.



Above: Fraud Detection Rule Set with KPIs

Credit Card Fraud Example

	False/Positive Ratio	TDR	VDR
Before	1:6	51 %	63 %
spotixx	1:5	63 %	82 %
Change	↓ 17%	↑ 24%	↑ 30%

Additional Services

Quick Check

Our free of charge Quick Check will provide an insight into the quality and performance of your current detection model.

Data Management Support

We can support you in the process of providing and preparation of the required data.

Integration of New Rules in your Monitoring System

We can support you in the integration of updated business rules and/or scorecards into your existing monitoring systems.

Fraud Alert Management

We can take over your alert handling of Payment Fraud alerts. Our team can provide an initial review of alerts and create cases for further investigation.