(X) platform X

Financial Spreading

Comprehensive solution for automated financial statement scanning and financial spreading, with ability to generate comprehensive sentiment analysis and Quick Rating, all in one go.

Automated Financial Statement scanning

Automated Spreading

Sentiment Analysis

Quick Rating

Portfolio Monitoring

Supports both English and Arabic Language

Common Challenges

Financial Institutions have started automating routine tasks and eliminate inefficiency, but higher-order and expensive analytical processes requiring intelligence and human decision-making are not automated at all.

Presently, analytical processes are highly inefficient, largely manual, resulting into high cost of operations, quality and scalability challenges.

Manual data capture & spreading

High turnaround time and susceptibility error

Low operational efficiency and higher cost

Confined spreading capability, limiting the potential analysis

Analyst-specific judgments leading to inconsistent analysis across similar companies

Inappropriate provisions for data validation and audit

Due to lack of automation in the process the organizations fail to establish a methodical and regular data validation and audit mechanisms

Also, due to data being dispersed across various ends it is difficult to maintain an audit trail

Limited analysis capabilities

Higher turnaround time in financial analysis & forecasting

Qualitative Analysis : a major bottleneck due to dispersed content and manual efforts

Non-standardized credit analysis due to the lack of process automation

Data in unstructured and disparate forms

Absence of standardization in the financial statements' format and structure, even in the same geography across different sectors and also within the same sector

Inability to analyze publicly available information

Inability to analyze all the information which is available on world wide web and identify the negative news/ sentiments

To process such huge information the required turnaround times is huge and which leads to either a sub-optimal credit analysis or delay in processing

Inflexibility of the existing systems

Inability of existing financial spreading/analysis systems for large data aggregation for portfolio risk assessment or monitoring

Lack of adaptability in the existing systems to re/configure the computation algorithms and rules as per the changing requirements

Key Solution Features

The solution automates the scanning and spreading of financial statements with minimal errors. It uses Artificial Intelligence (AI) and Natural Language Processing to extract information into preferred format for quick, fully auditable insights that can be used to host a number of analyses. It provides capabilities beyond conventional credit analysis and is capable to mimic the credit ratings generated by the internal rating system implemented by the Bank with the help of our Quick Rating algorithm. This results in faster and higher credit underwriting productivity, improved monitoring and reporting, and better operational consistency.

1 Automated Financial Statement Scanning

- Automated scanning of Financial Statements using advanced document and image processing algorithms

- Automated data shaping for reduced scanning turnaround

  - Consolidate dispersed text pieces into a larger structure, or conversely breaking larger text chunks into a manageable size

- Data enrichment through cognitive algorithms, providing

  - Increased precision and reduced turnaround time, through NLP algorithms for aspects like language detection, key phrase extraction and text manipulation etc.

  - Use of advanced Optical Character Recognition (OCR) algorithm for identification of visual features, image recognition and identification of attributes like colors, orientation, depth, etc.

- Ability to handle multiple languages eg. English and Arabic

2 Automated Spreading

- Reducing the spreading turnaround time by using industry-compliant chart of accounts for data mapping

- Automated normalization of the numbers

- Minimizing data errors through preset validation rules (by client or industry)

- Creating efficiencies by standardizing the spreading of non-financial data into templates commonly used by rating and credit solutions

3 Credit Analysis

- Automatic calculation of financial ratios, which can be fed into risk rating model or LOS systems

- Comprehensive view of each customer across a wide-range of assets including company financials, obligor financials and other related data

- Reduced turnaround time for Credit Analysis by integrating the process to collect, import, spread, analyze and export financial data under one solution

  - Perform wide range of comparisons for financial analysis, like peer-peer, peer- group etc.

4 Sentiment Analysis

- Automated extraction of external ratings info if pre-rated by external credit rating agencies

- Algorithm designed to extract meaningful insights from the audit report / management opinion

- Deployment of webcrawlers with the world wide web to extract relevant news for reputation risk and/or other critical factors

- Reduced turn around time by streamlining the qualitative assessment, primarily a manual process across dispersed data

5 Transparency & Auditability

- Centralized collection and management of financial data

  - Avoid data loss and redundancy by archiving into single source for all the pertinent data

  - Reduce turn-around time for management, audit and regulatory inquiries

- Ability to integrate with the bank's rating models

- Allow configuration and amendment of normalization mapping between the source & target from front-end by business users

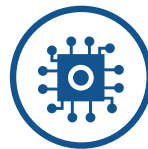Desktop based

Technical Features

Multiple teams can work together- enabling collaboration

Platform Framework creates new computation sequences, models and result data sets without coding

Designed to support two-way integration with existing data sources and rating system

Advanced metadata technology automatically traces, versions, compares and details all results

Built for On-premise as well as Cloud Deployment and concurrent, interactive work-group

Robotic Process Automation reduces the time and cost footprint of analytical tasks, allowing banks to realize significant efficiency gains
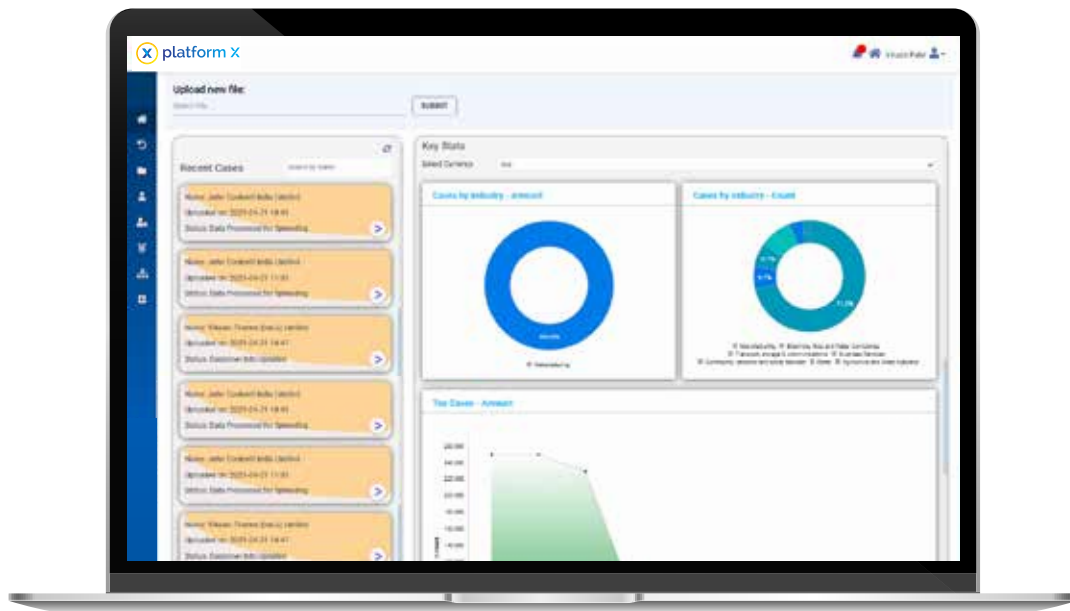
Designed and powered by various machine learning algorithms automating the cognitive processes

Metadata allows for rapid changes to methodology and approach when required by regulators/business requirements

Solution Screenshot

Platform X aims to enable error-free faster processing, better credit decisioning and act as your 24x7 personal credit assistant

About Us

Aptivaa is an established services provider, offering comprehensive analytical solutions, for clients in banking, insurance and other financial services. Globally, we have worked with several clients to enable them to successfully navigate the ever-changing regulatory & business environment in the area of Financial Risk Management.

CogNext, incubated by Aptivaa, intelligently incorporates cognitive technologies such as AI-ML and NLP into robotic process automation. Combined with our domain knowledge, CogNext brings Automation at Scale for Financial Institutions, thus assisting the knowledge worker by removing repetitive, replicable and routine analytical tasks.
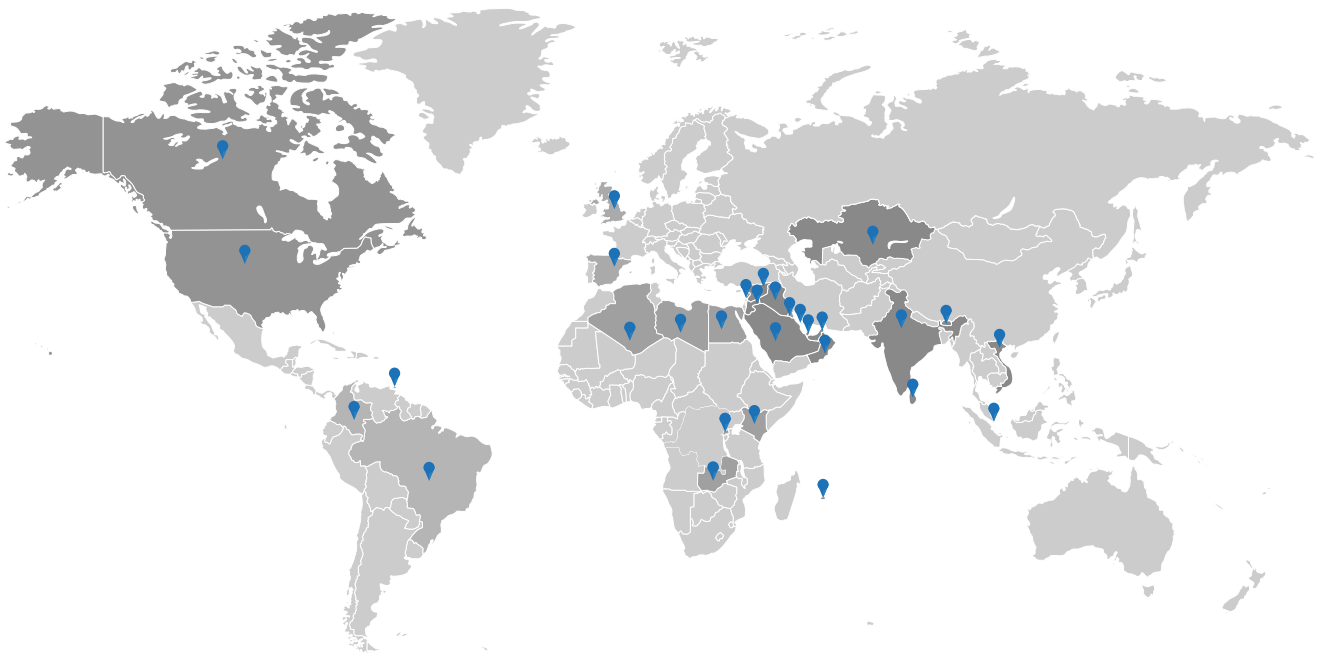
100+
Clients

30+
Countries

15+ Yrs
Experience