



Implementation Of Platform X For BASEL III Computation For A Large Bank With Over US \$20Bn In Assets

The Client

A large bank with over US \$20Bn in assets covering operations across eight countries for computation and reporting purposes

Bank was looking to:

1. Achieve complete automation of Basel III computations & regulatory reporting
2. Ability to amend RWA computation rules as per the changing requirements dynamically from front-end
3. Capability to customize dashboard & reporting formats as per the requirement by the users themselves
4. Seamless integration with data warehouse & core banking systems

Existing Process & Approach

→ Manual Report Generation

The reports were generated manually using spreadsheets, due to which it was a human-intensive process & prone to manual errors & plausible delays

→ Consolidation of all entities

The client has multiple country operations & thereby for consolidation and computation at a group level it was a highly manual process leading to delays

→ “What-if” sensitivity analysis

Since all the computations are spreadsheets based, it was relatively complex to achieve various sensitivity analysis on the bank's portfolio & translate it to the impact on capital. Currently, being performed at a very high level with assumptions

→ Data Quality Standardization

There were multiple systems from which data extraction was happening but a lot of manual data massaging was performed in order to view appropriate results

The Results With Implementation Of Platform X

1. Seamless Reporting

- Out of box entire regulatory compliance
- Group level consolidated reports generation in near real-time
- Management Dashboard providing a 360-degree overview of the overall portfolio

2. Capability to perform What-if Analysis

- Capability to perform what-if analysis across various dimensions of RWA computation
- Front-end capability to define various scenarios
- Sensitivity Analysis translated to RWAimpact

3. Self-Service

- Ability to modify RWA computational rules from the front-end
- CCF, Risk Weights, national discretions, approaches selection from front-end
- Complete data lineage of underlying data & computations

4. Data Quality Standardization

- Using ML capabilities to enhance missing data
- Capability to configure data quality rules & analyze in front-end
- Data quality reports generated automatically
- Data profiling capabilities



About Us

CogNext, incubated by Aptivaa, intelligently incorporates cognitive technologies such as AI-ML and NLP into robotic process automation. Combined with Aptivaa's domain knowledge of banking and risk management, CogNext brings automation at scale for Financial Institutions, thus assisting the knowledge worker by removing repetitive, replicable and routine analytical tasks.

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<https://cognext.ai/global> | www.linkedin.com/company/cognext-ai | info@cognext.ai