



Standard Chartered Bank: Managing market data and risk with Prime

Case Study



Executive summary

Standard Chartered Bank chose Prime to replace a collection of data management systems and bring consistency and efficiency to market data management and risk management across its operations in 47 countries.

Highlights

- Greater productivity for users in 47 countries
- Market rates data and derived zero-coupon curves
- High-integrity validation and cleansing rules
- Delivered on time and on budget
- IT spanning London, New York, Mumbai and Singapore
- Governance and flexibility for the future

Business Challenge

Standard Chartered needed to undertake a major overhaul of its management of market rates data. The existing method, using a variety of systems, was overstretched and current and future business expansion was unsustainable.

Management of the market data underpinning risk management may go unnoticed when working well, or when downstream banking applications are being updated regularly, but it can cause significant disruption if either is not. Also being acutely aware of the ever-changing corporate governance and regulatory compliance requirements for greater visibility of data and manipulation of data sets, the bank was keen to update its market rates system.

Standard Chartered was outgrowing the capacity of its existing data management systems.

“We were overstretched,” says the project manager, “and we couldn’t see a route forward to extend its functionality.” This posed a problem as the bank looked to bring on board new instrument types. “The support volumes were increasing,” says their Project Manager, “and we were experiencing one downtime event per week, when as a business we aim for one day a year, or 99.8% uptime.” The manual checks and balances needed were impacting efficiency, and putting the teams under immense pressure in order to meet SLAs. The bank’s key requirements were reliability, scalability and flexibility.

They covered 4 key areas of data capture and manipulation:

Data capture

Data can be captured and normalized from a number of specified sources, e.g. Thomson Reuters, Bloomberg and Interactive Data; as well as proprietary formats. Data can be updated in real-time, at end of day or intra-day. In Standard Chartered’s specific case, the system needed to allow local time-stamp capture, for end of day delivery.

Aggregation

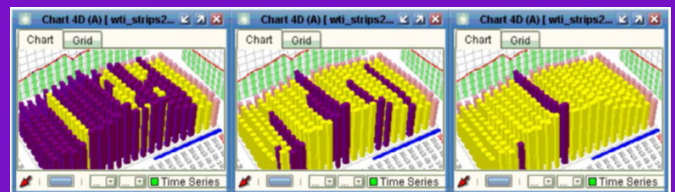
Aggregation of data provides a Golden Copy™ data set. Data can be enriched and transformed according to rules set up in the system. Alveo acts as the system of record for market data, providing a key resource for audit and control.

Validation and cleansing

Data is validated at different levels, for example, from the point of capture right through to distribution. Anomalies can be identified and resolved, according to set rules within the system.

Tolerance checking

Global visibility across data means tolerances can be checked centrally, providing “early warning” signs of any sudden spikes or excesses.



Analysis of risk factor data with the user desktop

“The system is stable and strong; we made the investment and we see good results.”

PROJECT MANAGER AT STANDARD CHARTERED

Alveo solution

Standard Chartered wanted the most functional and configurable market risk product available. They were looking for an implementation path and timetable that would make a move seamless for staff and customers.

“Once you’ve invested in a solution like this, you cannot simply change your mind and throw it out,” says the Project Manager

“So it is worth spending that extra month on selection to ensure you get the right system.”

Following an exhaustive selection process, Standard Chartered chose Alveo for its reliability, scalability and flexibility.

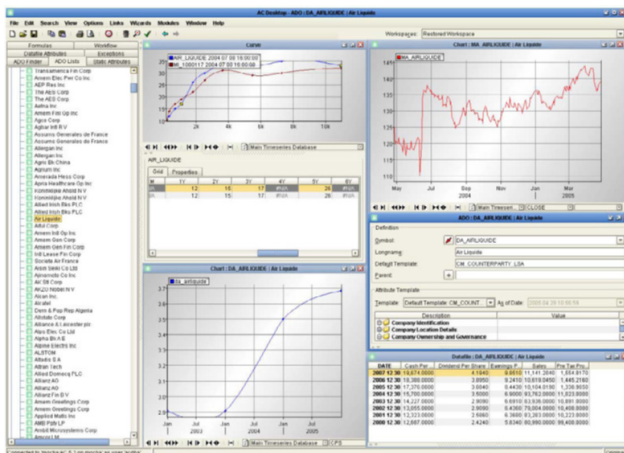
Alveo could also develop additional areas of functionality that no other vendor system could provide.

Benefits

Standard Chartered found the system it was looking for with Alveo. Prime acts as the system of record for market data, providing a key resource for audit and control.

The system delivers powerful functionality to user desktops resulting in greater productivity for both IT and business users.

- Maintained interfaces to real-time gateways (such as Bloomberg, Six Financial, Interactive Data, Thomson Reuters) allow the internal IT team to focus on adding value
- Coverage of all asset types for faster time to market
- Price consolidation to standardize and aggregate multiple sources
- Business rules and a library of validation rules allowing flexibility within an existing framework
- Automated workflows for routing suspect price items to the relevant specialist or department, and the extensive role and object-based security for optimal reliability
- Curve library to generate secondary data such as zero curves, bond curves, implied volatilities and correlation Matrices
- Rich charting functionality with options to slice and dice the data, ideal for investigating market anomalies and tracking risk factors
- A complete audit trail allowing visibility over who changed or approved what and when
- Granular data permissioning and role-based security determining what users can and cannot do and which data sets they can view and which they can change



Combine disparate information from multiple sources

Standard Chartered users have essential data for pricing, portfolio analysis and asset valuation, ensuring their customers are delivered the best possible service.

Their regulatory obligations for risk management can now be met with 100% confidence.

About Alveo

Alveo is the leader in market data integration and analytics solutions for financial services. Focused on optimizing data flows for business user self-service, we provide cloud-native data aggregation and data quality management that enables clients to easily access trusted data while maximizing their data ROI.

Through our managed services, we ensure that clients can smoothly onboard, prepare and validate data for use in operations, trading, investment management, pricing, risk, reporting and machine learning.

We service a global client base and our award-winning technology provides easy integration into business user workflows and a proven platform for advanced analytics. Through combining deep domain expertise with latest open-source technologies, we help financial institutions ensure high quality data, optimize market data cost and maximize productivity.

Recent Industry Recognition Wins:



Contact us for further information

EMEA T: +44 (0)20 7743 0320
North America T: +1 212 445 1076
APAC T: +65 6408 0750
General Enquiries E: info@alveotech.com

 [linkedin.com/company/alveo-technology](https://www.linkedin.com/company/alveo-technology)
 twitter.com/alveotechnology

