

Consorsbank's Mobile Banking & Trading Application Uses the Diffusion® Intelligent Data Platform™ - a Single Communication Solution that Scales to Meet Customer Demand



Quick Facts

When German digital retail bank, Consorsbank, a BNP Paribas owned subsidiary, needed to enable its current account customers the ability to trade via their mobile application in a scalable and high performance way, they chose the Diffusion Intelligent Data Platform.

Industry

- Retail banking

Challenges

- Scale the mobile application to meet customer demand
- Offer a single communication solution that isolates back-end and front-end systems
- Simplify & speed development of the mobile application

Solution

- Push Technology's Diffusion Intelligent Data Platform

Benefits

- Meet customer demand by delivering a fully functional, high performance and scalable mobile application
- A mobile application that serves as the central point for managing all customers' account activity
- Simpler & faster application development
- Provide a single communication solution for the bank's customers

Overview

Consorsbank wanted to create the next generation consumer retail banking mobile application. Where most retail bank applications give customers the ability to check account balances, transfer balances and make payments, Consorsbank wanted its application to go further.

Consorsbank wanted to deliver far more than typical mobile retail banking application to their valued customers. They wanted to give customers the ability to:

- Create a custom ticker of stocks and shares and enter personal trades.
- Assign outgoing payments into categories, for example Car->Fuel, Personal->Gym Membership, Mobile Phone->Monthly Contract. The application learns which suppliers provide what services and automatically assigns payments to categories as they go out.
- Visually see graphs and charts of expenditure broken down into the assigned categories for ease of recognition of where money is going. For example, 22% of outgoings this month were on clothes.
- Receive alerts on unexpected transactions. For example, the largest transaction in an average month is €2,000, but this one was for €10,000.
- Receive account information and alerts to an Apple Watch.

The digital bank wanted their mobile application to be the central point for managing all of a customer's accounts, engaging and tracking activity.

The Challenge

While building the new application, Consorsbank quickly came to the realization that a traditional Request/Response API style of interaction with back-end systems would not scale either for the anticipated number of users on the system or for the additional functionality planned in future.

Consorsbank required a data platform that would isolate the bank's existing back-end systems from the load generated by tens of thousands of mobile clients.

Lastly, Consorsbank wanted to simplify application development and improve performance. Their existing application used different APIs for each of the back-end systems with which it interacted. This resulted in a low-performance application.

"We wanted to develop an application that gives our current account customers far more than just a typical mobile retail banking application."

"With Push Technology's Diffusion Intelligent Data Platform, we have delivered a reactive, event-driven application experience to our customers - quickly & easily."

The Requirements

Many organizations must build business applications that can easily scale and run optimally over the Internet. Addressing the unknowns of the Internet is difficult – the speed and quality of the network, load on the network, time to send the data to back-end servers, variable and often high load on the back-end servers, time to process/ distribute/ store data on the back-end, time it takes for the data to be sent to the user devices and the quantity of data sent – to deliver a reliable, resilient, and high performance application. Consorsbank's requirements were to simply overcome these unknowns to deliver data in a scalable, efficient and reliable way so their customers received the optimal mobile experience.

The Solution

Consorsbank knew of Push Technology through another BNP Paribas subsidiary, DAB bank. Consorsbank's sister bank had addressed their application data challenges with the Diffusion Intelligent Data Platform.

As a result, Consorsbank elected to evaluate the Diffusion Intelligent Data Platform to address their challenges and requirements in order to provide the optimal mobile banking experience to their customers.

As part of the evaluation, Consorsbank performed a side-by-side comparison of two versions of its application – one used Push Technology's Diffusion platform and the other used traditional Request/Response messaging. Diffusion won the comparison test by delivering a superior user experience, increased performance, faster response times, and reduced network payload due to the platform's state-of-the-art data optimization and communication technology. The decision was made.

With Push Technology's Diffusion Intelligent Data Platform, Consorsbank quickly developed a high-performance, event-driven mobile banking application. They delivered a new application experience to their customers that reacts in real-time to business events using a simple consistent API that spans all customer devices. The result is business growth and satisfied customers.

An important ongoing benefit of the Diffusion platform is that whenever Consorsbank adds, modifies, or replaces a back-end system, Diffusion minimizes the impact of changes on the application, speeding support of new functionality and devices.

The Outcome

Today, Consorsbank uses the Diffusion platform for its world-class mobile banking and trading application which runs seamlessly on the full range of mobile devices. The bank also plans to use Diffusion across the organization for other internal and external projects.

"Our application provides a superior customer experience, fast response times, & a reduced network payload due to Diffusion's state-of-the-art data optimization & communication technology."