

# Modernizing its Payment Processing Platform to be Ready for the Digital Euro

Bankart is the leading payment processor in Slovenia and the regional market, providing high-end modern processing services for both current and future digital payments across six European countries. Founded in 1997, Bankart continues to reduce operational and development costs and to unify the self-service and card operations throughout the region.

## Overview

### BANKART

Serving Slovenia and Southern Europe:  
Serbia, Bosnia and Herzegovina, Montenegro,  
Kosovo and Macedonia.

Over **25** years of field expertise

**43+** million transactions a month with over  
**600** million transactions annually

**200+** highly qualified professionals

Serves **20+** banks and national institutions

**100%** owned by the majority of Slovenian banks



## PROJECT DETAILS

- In 2022, a decision was made to start an official tender to modernize and unify Bankart's processing platforms.  
The new platform needed to:
  - o Address the complexity mounting due to new functionalities, regulation requirements, channels and country-specific conditions.
  - o Ensure flexibility and agility while maintaining quality, as this significantly impacts the development process (for example, time, skills and tools as well as the total cost of ownership).
- In 2023, the tender was completed, and Diebold Nixdorf was selected as the new vendor of the card processing platform:
  - o The evaluation process took 10 months and included a complex proof-of-concept and on-site testing.
- In 2024, rollout began for the migration of all card-based transaction processing.
  - o The project has been split into several phases, including issuing, acquiring and card scheme interfaces.
  - o In parallel, planning for the Instant Payment platform and readying for digital euro underway.

## CHALLENGES

As a leader in payments processing, Bankart has been on a journey from the typical ATM and card processing company towards handling the future challenge of the digital euro and other digital currencies. What began in 1998 to centrally process ATM and card-based transactions for Southern European banks gradually moved to handling fraud management and monitoring. By 2009, it had evolved further to process new payment instruments within the Single Euro Payments Area (SEPA). In 2019, instant payments were added, and now a fourth platform is required to handle the soon-to-be-mandated digital euro.

“We must process a variety of payment instruments—with differences and similarities between them. We were struggling with all these payment instruments.”

—Aleksander Kurtevski, Managing Director

Operating in the Southeastern part of Europe, only one of the six countries, Slovenia, is a member of the European Union (EU), while the other five countries are neither in the EU nor in the European zone. Each of these countries has its own currency, as well as its own central bank with its own set of regulations and requirements, demanding the flexibility to manage the differences and demands across a variety of countries.

As a payment processor, Bankart operates between devices such as ATMs, point of sale and its banking customers. It serves as an intermediary between these banks, other financial institutions and card schemes like MasterCard and Visa. The organization’s main function is to move financial messages and advise the banks on what to do with those messages. Bankart’s platform directs its customers on whom to debit and whom to credit and instructs the central bank on how to settle the banks in between.

## OBJECTIVE

There was no standard banking software platform that could easily match Bankart’s requirements because it is a processing company, not a bank. The organization needed to handle and consolidate the different payments platforms (for example, cash, card, instant and digital) while being multi-tenant, multi-tiered, multi-currency and multi-country.

Translating this into business language: Bankart required a modern architecture technology stack that offered faster development, less effort, quicker deployment and expedited testing without sacrificing the quality and robustness of the service.

## THE SOLUTION

To meet Bankart’s needs and enable it to meet its objective of operating a flexible solution across multiple markets, Diebold Nixdorf has implemented Vynamic® Acquiring and Vynamic® Issuing, part of a suite of payment agnostic services, powered by Vynamic® Transaction Middleware. As a transaction processing platform based on a cloud-native microservice architecture with API connectivity, Bankart has been able to realize the desired objective of building once and using across multiple payment rails.

## THE IMPACT

Vynamic Transaction Middleware has allowed Bankart to achieve its final goal of becoming more cost-effective and more agile by modernizing its payments infrastructure and providing flexibility for future development.



## ADAPTING FOR THE FUTURE

To enhance cost-effectiveness, join the upcoming digital euro movement and boost market competitiveness, Bankart realized it needed to update its technology infrastructure. Bankart selected Diebold Nixdorf's payment agnostic services, powered by Vynamic Transaction Middleware transaction processing platform based on a cloud-native, microservices architecture.

“Our business is moving messages; therefore, we need to implement a robust financial messaging moving platform. We are doing that with Diebold Nixdorf.”

—Aleksander Kurtevski, Managing Director

Payment processing is always the same. It moves financial authorization messages from one institution to another and provides instruction to the banks to settle the accounts. All the payment instruments and systems have their own financial messaging. They may speak different languages, but the logic behind them is the same. Vynamic Transaction Middleware enables Bankart to have one common platform for all payment instruments. It allows Bankart to optimize its internal resources: hardware, software and human. Additionally, it offers the ability to implement new functionalities faster to its customers in the EU as well as outside the EU. Since every country has its own specific regulators, mandatory change requirements are very frequent. Being able to react quickly to ensure market compliance is essential.

Phase one of the project is now complete, with other platforms migrating soon. The full migration to Vynamic Transaction Middleware is expected to finish at the beginning of 2026.



“This is, in our opinion, a future-proof infrastructure that enables us to be ready for the digital euro because we don't know exactly what the digital euro is going to look like. But with this platform, we are confident that whatever it brings to us, we can utilize a lot of code that is already there.”

—Aleksander Kurtevski, Managing Director