

## DATA INTEGRATION



**BNL**  
**GRUPPO BNP PARIBAS**

BNL BNP Paribas accelerates data services with Qlik

**QUANTYCA**  
DATA AT CORE



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Giampiero Santesarti, Digital Application Production Lead, BNL BNP Paribas

### More digital solutions required

BNL BNP Paribas is one of Italy’s most well-known financial institutions and part of European banking leader BNP Paribas Group since 2006. It’s one of the most important market players, with more than 2.5 million customers and one of Italy’s largest branch networks.

“The pandemic changed the relationship between the bank and its customers,” says Giampiero Santesarti, Digital Application Production Lead at BNL BNP Paribas. “In the past, that relationship was mainly provided through branches and consultations with relationship managers. They remain important but for day-to-day account management customers are looking for phigital solutions.”

### Rising demands on data availability

With the backing of BNP Paribas, the bank’s digital offering was always going to be strong. However, maintaining and developing the levels of service that BNL BNP Paribas saw as fundamental to its market proposition highlighted an issue.

Delivering services with the speed and agility that BNL BNP Paribas needed would involve relaying data from its core mainframe banking system to the systems handling the digital applications. Considering the evolution of the market, BNL BNP Paribas deployed streaming solutions to ensure digital data was always available to customers.

“We needed a stable and reliable way to manage those high volumes quickly without consuming valuable resources on the mainframe,” explains Santesarti.

### Solution Overview

#### Customer Name

BNL BNP Paribas

#### Industry

Financial Services

#### Geography

Rome, Italy

#### Function

IT

#### Challenges

- Enable new levels of digital customer service
- Deliver quick, accurate and timely information to customers
- Ease pressure on the bank’s mainframe system

#### Solution

BNL BNP Paribas turned to Quantyca and Qlik Data Integration to build a new digital data environment capable of high-speed, reliable streaming.

#### Results

- 80 million digital records handled daily
- Five seconds to transfer data from mainframe to open system
- New capabilities enable new applications while cutting mainframe costs

## CDC delivers speed and simplicity

Quantyca is a technology consultancy that specializes in the management of data and metadata. Based in northern Italy and awarded “Qlik Data Integration EMEA Partner of the year” in 2020, Quantyca has built a strong working partnership with BNL BNP Paribas.

The bank approached Quantyca to find out what the possibilities were in terms of accelerating data transfers without a complete system overhaul. That summer, Quantyca offered to build a proof of concept to show how it could not only relay data from the mainframe to the open system but also build a complete architecture to manage data streaming.

At the heart of the system was Qlik Data Integration, specifically Qlik Replicate®. Working with Apache Kafka, it would sit between the bank’s mainframe and data warehouse to enable high-throughput, low-latency streaming of data in near-real time.

With change data capture (CDC) functionality delivering data consistency and integrity, and continuous monitoring and management ensuring smooth, rapid flows, Santesarti didn’t hesitate. Together, Quantyca and BNL BNP Paribas had the new environment up running within a few months.

“Installation was very simple and Qlik Replicate works excellently with Kafka to send and manage data. Qlik Replicate is a highly effective management tool. It defines new ways to send data from the mainframe to the open system; it’s very simple and very quick,” says Santesarti.

## Streaming as a service

With the new Qlik Data Integration solution in place, BNL BNP Paribas has transformed both its data environment and its approach to data management and consumption.

“We introduced this new concept of digital data, which showed us the possibilities of data streaming and how easy it is,” says Santesarti.

“It led us to introduce another new concept, streaming as a service, which means we can enable other parts of the bank to access legacy data on the mainframe and deploy it in other environments.”

The data streaming service now powers 15 separate data domains connecting the mainframe to the open system. The data hub caches around 80 million digital records each day and around 40 million records are transferred to the open system daily.

“It’s a huge volume being managed each day,” says Santesarti. “Our minimum requirement is below 10 seconds for the data to be available on the digital archive, but it averages at less than five seconds.”

## Looking to a digital future with confidence

For BNL BNP Paribas’ customers, the new data transfer speeds mean account information accessed through digital platforms is refreshed in near-real time. Not only does this match the bank’s drive for service quality, the support between BNL BNP Paribas, Qlik and Quantyca also enables the development of new services.

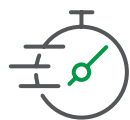
“We’re not just supplying data to the home banking application,” says Santesarti. “We’re also feeding into our investment solution and establishing know-your-customer (KYC) processes. Overall, Qlik Data Integration is now helping to support several BNL BNP Paribas digital applications.”

The new architecture also significantly eases pressure on the bank’s mainframe, delivering a significant cost benefit on top of the speed and freshness of data.

“Mainframe resources come at a very high cost,” Santesarti explains. “Reducing those has been a significant benefit.”

The speed and reliability of the new architecture now allow Santesarti to look to the future with confidence. BNL BNP Paribas is now looking to extend the deployment to build new streaming solutions and empower different business areas such as wealth management and private banking.

**The  
keys to  
success**



**5**

seconds to complete transfers that previously happened overnight



**25**

digital applications and growing

“I can sum it up in three words: easy, robust and quick. BNL BNP Paribas’ partnership with Qlik will help improve more and more services for customers.”

Giampiero Santesarti, Digital Application Production Lead, BNL BNP Paribas



## About Qlik

Qlik transforms complex data landscapes into actionable insights, driving strategic business outcomes. Serving over 40,000 global customers, our portfolio leverages advanced, enterprise-grade AI/ML and pervasive data quality. We excel in data integration and governance, offering comprehensive solutions that work with diverse data sources. Intuitive and real-time analytics from Qlik uncover hidden patterns, empowering teams to address complex challenges and seize new opportunities. Our AI/ML tools, both practical and scalable, lead to better decisions, faster. As strategic partners, our platform-agnostic technology and expertise make our customers more competitive.

[qlik.com](https://qlik.com)



## About Quantyca

Quantyca is a technology consulting company specializing in data and metadata management. The organization works with business and IT functions to help customers become more competitive, exploiting the potential made available by new data technologies. All of its services are designed to extract maximum value from data, creating data platforms that are responsive, resilient and able to evolve over time. With over 100 active successful projects, Quantyca builds solutions that can grow and reliably produce value over time.

[quantyca.it/en](https://quantyca.it/en)