

**LOTTERIE ROMANDE:  
DIGITAL MILESTONE FOR A  
FUTURE-PROOF LOTTERY**

# MILESTONE IN DIGITAL TRANSFORMATION

Through its retail digitization program, Loterie Romande (LoRo) has successfully implemented a modern, scalable, and highly available solution built on a cloud-based infrastructure. This initiative marks a pivotal milestone in the full digital transformation of LoRo's lottery and betting services. The solution is powered by an Azure-based platform, seamlessly integrating applications that connect online and offline offerings. By leveraging cutting-edge technologies, test automation, and agile development methods, adesso has not only developed the applications, infrastructure, and platform, but also provides 24/7 support to ensure maximum uptime and continuous development, securing long-term success.



## CHALLENGE

In response to technological advancements and changing player expectations, Loterie Romande embarked on its digital transformation in 2023 with the support of adesso.

Key initiatives include the introduction of **LoRoPlay terminals** for scratch cards, sports pre-match and live betting, a **mobile app** that generates QR codes compatible with traditional and the new LoRoPlay terminals, and a **voucher management platform** designed to reduce cash transactions. The complex security, performance and scalability requirements, along with a tight schedule, demanded a flexible and future-proof cloud solution.



## SOLUTION

adesso developed a robust, Azure-based infrastructure, platform, and frontend applications including:

- > **Azure Front Door** for secure, high-performance web traffic distribution
- > **Azure API management** to streamline interface management
- > **Kubernetes cluster** for efficient container orchestration
- > **IoT hub** to connect and manage gaming terminals
- > **Mobile applications** for both iOS and Android
- > **Test automation system** to automatically execute regression tests, ensuring high software quality



## BENEFITS

Loterie Romande benefits from:

- > **Efficient communication** for seamless networking between gaming terminals and backend
- > **Optimized gaming experience** using a QR code app that simplifies the betting process and enhances user experience
- > **Enhanced security and scalability** using a cloud-based infrastructure with advanced security features
- > **Cost-effective maintenance and operation:** 24/7 support, maintenance, and monitoring
- > **Future-proof development** based on agile methodologies for flexible adaptations and enhancements

## MORE ABOUT THE SOLUTION

This new solution marks a significant milestone in the full digitization of Loterie Romande's retail sector, enabling it to better meet the needs of an increasingly connected audience.

adesso developed both the backend and frontend of the LoRoPlay terminals, designed for scratch games, sports betting, and live betting. The first applications were launched in 2024. adesso continues to provide 24/7 maintenance while actively working on improvements to further enhance the user experience.

Key features include the LoRoPlay terminals, a mobile app to generate QR codes compatible with both traditional and LoRoPlay terminals, and a voucher management platform for reducing cash transactions.

## METHODS AND APPLIED TECHNOLOGIES

The programme was delivered using agile methodologies across multiple workstreams, enabling an optimized go-to-market approach and greater flexibility in adapting to evolving requirements.

This modern architecture, combined with the integration of cloud technologies facilitated the creation of a highly available and scalable platform.

The technical implementation combined both open-source and proprietary technologies to provide a robust and efficient solution.

[MS Azure](#) | [MS Dynamics](#) | [Firebase](#) | [Drupal](#) | [Katalon Studio](#) | [Kubernetes Cluster](#) | [GitHub Android Studio](#) | [Android Libraries](#) | [Appium](#) | [Grafana](#) | [Opsgenie](#) | [Jira Service Management](#)



” *The full digitization of our retail sector enables us to better meet the growing expectations of our increasingly connected audience. adesso is a skilled partner for this crucial initiative.*

**Francisco Gomes, CIO/COO**, Loterie Romande



## ABOUT THE CUSTOMER

Founded in 1937 for charitable purposes, Loterie Romande organises and operates lotteries and betting games in the six cantons of French-speaking Switzerland. Loterie Romande offers a wide range of gambling products, including classic lottery games, scratch cards, sports betting and horseracing. All profits are used entirely for charitable purposes in the areas of culture, sports, social affairs and the environment in French-speaking Switzerland.



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