



# BELLUNUM



## CHALLENGE

Bellunum srl is a limited liability company fully owned by public entities, held by the municipalities of Belluno, Limana, Borgo Valbelluna, Feltre, Sospirolo, Alpago, Chies d'Alpago, Tambre, Santa Giustina, San Gregorio nelle Alpi, Quero-Vas, Seren del Grappa, and the Alpago Mountain Union.

Among its various public service activities, Bellunum manages the **paid parking facilities across the city of Belluno**, both on-street and off-street.

By the end of 2023, the company identified the need to modernize the automation of Belluno's two main off-street parking areas: **Lambioi** and **Metropolis**, serving the historic city center and the train station.

Bellunum's primary goal was to centralize and monitor all technical, economic, and statistical data from a single control room, while ensuring a high level of service. At the same time, it aimed to replace the outdated automation systems, no longer supported by the original manufacturer.

## BACKGROUND

As tourist flows in the city continue to increase, a modern, efficient parking facility that meets visitors' expectations and is of an excellent standard for residents' quality of life becomes increasingly important.

The **Lambioi facility** is the main parking area in the city, and is connected to the historic center by free, scenic escalators covered by a transparent structure. Opened in 1998, it has a capacity of 824 parking spaces and 15 RV spaces and is structured with two access and two exit gates.

The **Metropolis facility** is covered and is located on Giosuè Carducci Street, near the train and bus station, a stone's throw from the historic center. Opened in 1998, it has a capacity of 194 parking spaces and is open 24/7. For both facilities, users are both subscribers and occasional users (tourists, visitors).



## CLIENT REQUIREMENTS

- Reliable, scalable, and easy-to-manage parking system
- Full remote control of peripherals
- Single software platform (JMS) to manage and monitor alarms across both facilities
- **Multi-user access to the platform** with customizable roles and interfaces for staff
- Flexible payment options, including 1 manual pay station and 3 automated pay stations (APS)
- Customizable and seasonal subscription management, with renewal available at APS stations
- Multi-channel access, including mobile apps and **toll systems** (e.g., Telepass, EasyPark, etc.)
- Compact Selea LPR cameras for license plate recognition in lanes
- Cloud deployable system
- Structured validation via web (and mobile) J4M app



## SOLUTION

HUB Italia delivered a complete technological solution tailored for Bellunum, combining the robust Jupiter system with advanced digital management via the JMS platform. The new automation deployed at Lambioi and Metropolis consists of 16 devices, including compact entrance and exit terminals, LPR cameras for license plate recognition, one manual pay station, and three APS (Automatic Pay Stations) - all managed from a centralized control room via JMS. The implementation was completed in 9 days, ensuring uninterrupted access for vehicles throughout the upgrade.

The HUB configured system allows commuters, residents, and travelers now benefit a stress-free parking experience through a process that is simple, fast, and efficient. Bellunum's professional, technical, and administrative staff work with a modular, color-coded interface that simplifies day-to-day operations for both expert users and less experienced parking operators. JMS, the advanced management software installed in both facilities and in the **centralized control room**, allows the client to monitor system performance 24/7 from any network-connected device - PC, smartphone, or tablet. Live data streams from the parking systems allow operators to check real-time status via integrated video and intercom, streamlining lane-side support and minimizing response times.

LPR technology integration is both straightforward and accurate: JMS receives data from the lane cameras, capturing each vehicle's license plate and assigning a **unique digital ID**. This enables automatic calculation of the correct parking fee based on the duration of stay, from entry to exit. Parking transactions can be discounted through a structured validation system with multiple authorization levels, managed by HUB's J4M web application. The convergence of data from cameras, pay stations, lane devices, and the J4M validation tool allows Bellunum staff to continuously monitor system performance, analyze trends via customizable reports, manage upcoming system events (such as timely cash collection from APS units to prevent service interruptions), and keep maintenance requirements under control, **planning interventions proactively**.

HUB Italia's local presence, experience, and professional support ensured high service quality and fast user assistance for any unexpected issue. A hallmark of HUB's approach is the upgradeability of installed systems, enabling future enhancements, expansions, or modifications, effectively **safeguarding the long-term investment** of parking owners and operators.