

SUCCESS STORY —

Hotel Andante Princessa

Hotel Andante Princessa is upgrading its technology infrastructure as part of a comprehensive transformation project.

ANDANTE
PRINCESSA

Hotel Andante Princesa

Located in the iconic El Born district, the Andante Princesa Hotel is part of the La Llave de Oro hotel group, a company with extensive experience in managing urban properties in Barcelona.

With the aim of repositioning the hotel and adapting it to the sector's evolving demands, the group undertook a comprehensive renovation of the building, upgrading both its physical spaces and the technological infrastructure that supports daily operations.

Throughout this process, technology has assumed a fundamental role in the establishment's operations, enabling the design of a more integrated and cohesive infrastructure capable of supporting the hotel's various services and its future growth.



The challenge

Modernization of the technological infrastructure at the Andante Princesa Hotel

Following the hotel's acquisition, La Llave de Oro initiated a comprehensive transformation process aimed at updating the property's value proposition and aligning it with the group's quality standards.

The renovation provided an opportunity to completely rethink the building's technology infrastructure. The existing network no longer met the needs of a modern hotel, necessitating the design of a new architecture capable of supporting all critical services while ensuring reliability, scalability, and ease of management.

The project also presented an integration challenge, requiring the unification of the hotel's various technology systems—including communications, wireless connectivity, security, public address systems, and auxiliary operational services—under a single infrastructure.

Furthermore, the solution had to maintain technological consistency with the group's other properties, facilitating uniform management and simplifying the infrastructure's future administration and maintenance.

The solution

Deployment of an integrated technology infrastructure for hotel operations

INTEL has developed a completely new technology infrastructure, designed to provide a robust, scalable platform ready to meet the establishment's current and future needs.

Structured cabling infrastructure

The project involved deploying a Category 6A UTP structured cabling network to serve all areas of the hotel, complemented by a fiber-optic backbone interconnecting the building's various floors.

The scope of work also included the installation of new conduits, communications racks, and all necessary passive components to create an organized, easily manageable infrastructure ready for future expansion.

"The renovation allowed us to use the project as an opportunity to upgrade the hotel's entire communications infrastructure. We were able to unify the various systems onto a single technological platform, which has significantly simplified management and resulted in a much more organized architecture for day-to-day operations."

Carles Flores, Head of Information Systems at La Llave de Oro

The solution

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High-performance network architecture

The new network hardware is based on HPE Aruba technology, utilizing a hierarchical Layer 3 switching architecture designed to deliver high performance and facilitate centralized infrastructure management.

The communications core is located in the ground-floor data center, with links extending to distribution racks installed on various floors of the building. This architecture has enabled an efficient network structure, optimizing traffic flow and providing a solid foundation for the hotel's future growth.

As part of the cybersecurity strategy, the infrastructure has been complemented by the addition of a SonicWall firewall, responsible for protecting the network perimeter and strengthening communications security.

Built-in wireless connectivity

WiFi coverage has been upgraded using a solution based on Ubiquiti access points, selected according to the client's requirements and integrated into the new infrastructure to provide seamless connectivity for both guests and staff.

The solution

Deployment of an integrated technology infrastructure for hotel operations

Unification of systems on the new infrastructure

As the project's technology integrator, INSTEL has handled the implementation of the systems supporting the hotel's daily operations. The deployment included:

- CCTV video surveillance system
- Public address infrastructure
- Television distribution network
- IP telephony terminals
- Room access control systems

All these systems have been integrated onto the building's new network infrastructure, ensuring their operation within a unified communications environment and facilitating operational management.

"With the new infrastructure, we have gained primarily in terms of control and operations. We now have a more centralized environment where the building's various systems are better integrated, facilitating maintenance and the hotel's future evolution."

Carles Flores, Head of Information Systems at La Llave de Oro

Benefits

Corporation

- Technological alignment of Hotel Andante Princesa with the hotel group's portfolio standards.
- Execution of a comprehensive technological upgrade, optimizing investment and simplifying management at the group level.

IT Departament

- Standardization of network infrastructure, simplifying operation and maintenance.
- Greater control and organization in managing building connectivity.
- Strengthened control of the corporate network security perimeter.
- Wi-Fi connectivity for users and hotel operational services.
- Reduced complexity through the consolidation of multiple systems onto a single network infrastructure.
- Optimization of IT operations by integrating services into a unified environment.
- Infrastructure scalability to support the future evolution of the technological environment.



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