instel

SUCCESS STORY

LA FABRICA & CO

La Fábrica &Co. driving the future with access solutions, advanced connectivity, and network security.
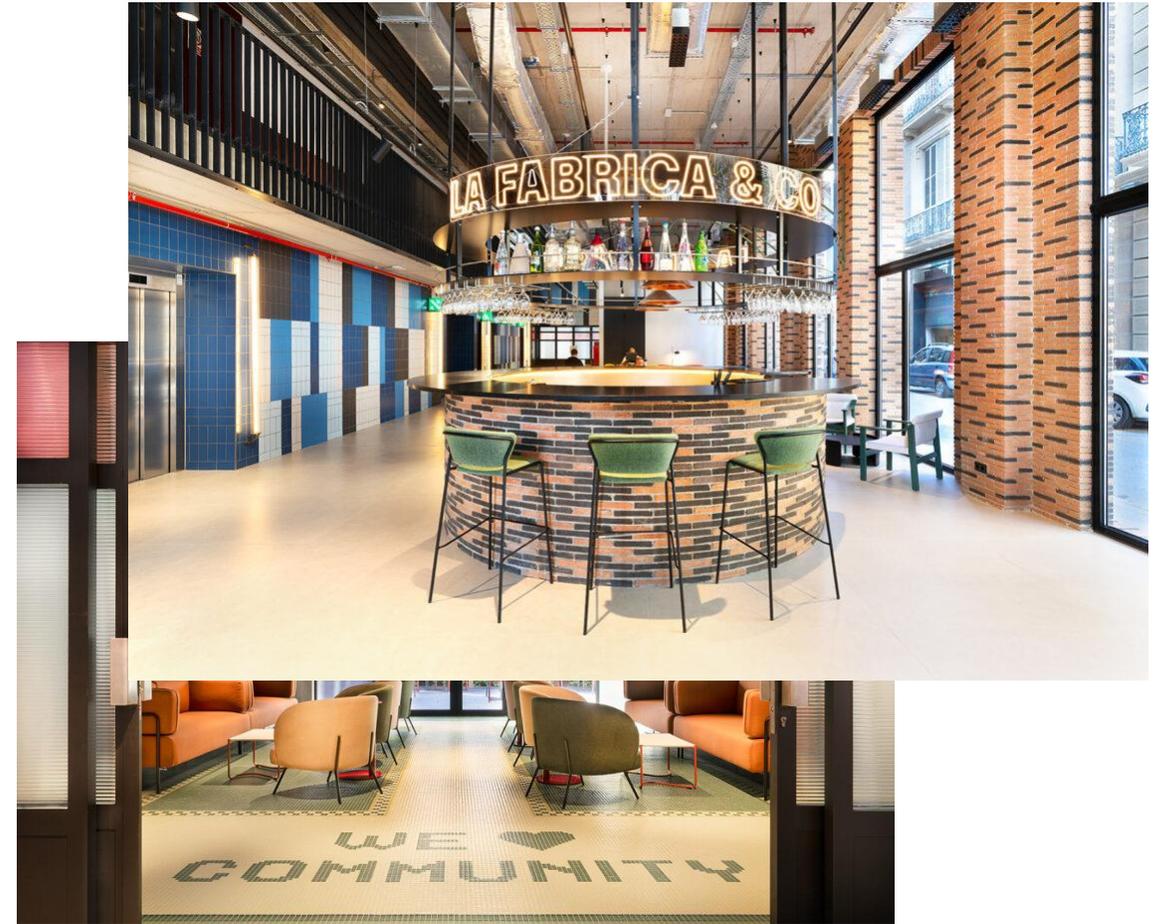
LA FABRICA &CO

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La Fábrica &Co. is an innovative project that redefines the concept of workspace and residence by merging coliving, coworking, and a community of talent in a high-tech environment.

The center is designed to foster collaboration, professional development, and the exchange of ideas among individuals with high academic and professional backgrounds.

La Fábrica &Co. aims to attract businesses and individuals who value a dynamic and flexible space, where technology not only facilitates operations but also drives the creation of an active and constantly growing community.

The challenge

Integration of cutting-edge technology for a multifunctional space

La Fábrica &Co. needed to integrate advanced technological systems that not only met the needs of its users but also reflected its philosophy of innovation.

The main challenge was to implement an access control system for the coliving rooms, building access, as well as coworking areas and meeting rooms, including room reservations. This system needed to be flexible, secure, and offer multiple access options such as cards, PINs, biometrics, and mobile devices.

Wireless connectivity needed to be high-performance, with no dead zones, covering all areas of the center, especially high-demand areas like coworking spaces, the lobby, and technical rooms, ensuring reliable connectivity for residents performing professional and academic tasks.

Additionally, the infrastructure had to include robust cybersecurity protection to ensure the network's security and the integrity of the data.

"Our goal was to design a cutting-edge technological environment that not only provided secure and efficient access to the facilities but also ensured uninterrupted connectivity, even with a high volume of connected devices".

Joaquin Bencomo, Managing Director at La Fábrica &Co

The solution

User and space management, advanced connectivity, and network security

Instel tackled the challenge of La Fábrica &Co. with a comprehensive solution that ensured flexibility, security, and high performance in a multifunctional environment:

- Comprehensive and flexible access control: Access devices from Intemo Technologies were installed, featuring RFID technology, fingerprint biometrics, PIN, and mobile access, adapting to the access needs in coliving areas, coworking spaces, and meeting rooms. The devices include touchscreens with adaptive backlighting to display personalized messages.

  - Thanks to PoE (Power over Ethernet), the devices are powered through the network cabling, simplifying installation and reducing costs. Real-time notifications record door openings and closings, enhancing security and optimizing staff operations.
  - To ensure efficient and high-quality data transmission, Netconnect CAT6A UTP cabling was installed, ensuring optimal performance and preventing connectivity issues.

- Efficient space management: The space reservation solution from Intemo Technologies was implemented, enabling flexible management of access and scheduling for meeting rooms and coworking areas through an app, web, or physical panel. This ensures space availability when needed, optimizing usage and avoiding scheduling conflicts.

The solution

User and space management, advanced connectivity, and network security

- **High-capacity Wi-Fi connectivity:** Ruckus access points with Wi-Fi 6 were deployed, offering high performance in environments with high device density. Ruckus switches provided efficient, high-capacity connectivity, ensuring sufficient bandwidth to meet user demand. The network was designed to cover the entire building, including outdoor areas like the pool and parking lot, with signal boosts in high-demand areas such as coworking spaces and the lobby.

- **Advanced security with Next-Generation Firewall:** A next-generation firewall from Fortinet was implemented, providing robust protection against cyber threats. This system ensures the integrity of data and the network, maintaining performance without interruptions and adapting to the needs of the center.

"Instel provided us with a comprehensive solution that not only met our technological needs but also offered exceptional support. Their personalized approach and the quality of their service allowed us to optimize space management, ensuring smooth and secure operations for our users"

Joaquin Bencomo, Managing Director at La Fábrica &Co

Benefits

- **Advanced technological image:** The implemented technological infrastructure reflects an innovative and cutting-edge environment, aligned with La Fábrica &Co.'s philosophy as a dynamic and contemporary space, ideal for collaboration and the development of ideas.

- **Flexibility and security in access control:** Multiple authentication options (RFID, biometrics, PIN, and mobile access) ensure a secure and user-friendly access experience, tailored to the needs of users and spaces.

- **Improved operational efficiency:** The access control system contributes to the management of operational tasks such as cleaning, optimizing the center's processes. By recording staff entries and exits, it facilitates the coordination of maintenance activities, optimizing time and ensuring that spaces are available and ready for use efficiently.

- **High-capacity Wi-Fi connectivity:** The Wi-Fi network, supported by Wi-Fi 6, guarantees reliable, high-performance connectivity throughout the entire building, including outdoor areas.

- **Scalability and adaptability to future needs:** The infrastructure is designed to be scalable, allowing future expansions and the integration of additional devices or access points as the center's demands grow.

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