

## CASE STUDY

# REGULATORY BODY TURNS TO ANIXTER'S TECHNICAL AND SUPPLY CHAIN EXPERTISE TO HELP BUILD A NEW HEADQUARTERS AND DATA CENTER



## SUMMARY

### Customer

Independent market regulatory body

### Challenge

New headquarters building and data center

### Solution

Technical expertise and  
READY!<sup>SM</sup> Deployment Services

### Results

- Seventy-eight percent energy savings with passive cooling system
- Full security coverage for the data center with intelligent video analysis
- Secure, intelligent data center and headquarters delivered on time



The project was completed on time, and the regulatory body received a headquarters and data center that will meet its needs for the foreseeable future. With Anixter's help, the agency received a data center that is secured, intelligent and energy efficient.

### Customer Challenge

An independent public body that regulates national electronic communications and audiovisual service markets in Spain establishes and supervises specific obligations that must be met by telecommunications market operators. Its goal is to promote competition in the audiovisual services market, resolve conflicts and act as an arbitrator in disputes between operators.

The regulatory body received funding to build a new headquarters building and a state-of-the-art "green" data center. The IT department needed assistance in evaluating and choosing the best cabling solution for its needs with its main concerns being an energy-efficient data center, a flexible and future-proof networking infrastructure and a security surveillance system that allows the interoperability of the CCTV with access control.

The building, with more than 12,000 square meters of surface space, is located in an area that was once known for industrial textile production in the 19th and 20th centuries. This area has been regenerated by local institutions and is the city's new technology hub. The centuries-old buildings and dense urban environment created a challenging deployment plan and placed construction space at a premium.

The 10-story building required multiple trades to work concurrently to complete construction within the two-year time frame. With limited on-site storage, the networking infrastructure, including the cabinets for the data center, could not be located on site and needed to be delivered when needed by the network integrator. The lack of on-site storage coupled with multiple trades created deployment challenges at the job site. The company brought in Anixter to source and procure the necessary products and to implement a supply chain solution that could meet its deployment challenges.

### Anixter Solution

The headquarters and data center required a full infrastructure solution including cabinets, copper and fiber patch panels, power horizontal cabling distribution, workplace outlets, IP cameras, network video storage and an access control system.

Anixter tailored several training courses to the consultants and regulatory body. The courses included Anixter's Data Center College<sup>SM</sup> and Physical Security College<sup>SM</sup>. These unique educational courses are designed to provide general solutions for current and future technology and infrastructure issues. After presenting these high-level overviews of data center and physical security solutions, Anixter worked with the on-site engineer to create cabling specifications for the building and data center infrastructure.

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The company decided on building a Tier III data center that is EN-1047-2 compliant and uses an electrical distribution system that allows for the maintenance of all lines even with power at full load.

To address the issue of minimal on-site storage, Anixter provided READY!™ Cabinet, which as a part of its READY! Deployment Services matches product deliveries to a contractor's build-out schedule. By using its READY! Deployment Services, Anixter received and consolidated material at a local distribution facility, kitting related items together for quicker deployment on the job site. Each READY! Cabinet arrived on site with the needed patch panels, cable management and power supply. This allowed it to be delivered directly to the installation point with minimal packaging material. The integrator only needed to hook up the cabinet to the installed cabling and add the active equipment.

### Project Results

The project was completed on time, and the regulatory body received a headquarters and data center that will meet its needs for the foreseeable future. With Anixter's help, the agency received a data center that is secured, intelligent and energy efficient.

By using intelligent video analysis, the security system provides full coverage for the data center and adjacent office building. The cameras are used to survey marker events such as a UPS drop, weather events or temperature changes with a completely configurable recording system.

This is the first data center in Spain to use a specific passive cooling system that allows total separation between the hot and cold air, which resulted in a minimal 1° C change in room temperature. The air conditioners were installed outside of the room to provide free cooling for the return air. At full load, the company realized a 78 percent energy savings.



READY!™ Deployment Services by Anixter map our distribution

and Supply Chain Solutions to the construction or deployment process of any technology project. We combine sourcing, inventory management, kitting, labeling, packaging and deployment services to simplify and address the material management challenges at the job site(s). READY! Deployment Services by Anixter will help you improve the speed to deployment, lower your total cost of deployment and deliver your product specifications as planned.

#### This project called for:



READY! Cabinet includes a complete cabinet or rack with

all of the components delivered as one part number.

OVER  
8,300  
employees

OVER  
100,000  
customers

MORE THAN  
450,000  
products

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