

Project Information

Internexa's headquarters in Medellin, Colombia. Two stories comprising 15,000 ft² of recently renovated workings space.

100 tons of HVAC

- Lennox Landmark K-Series Rooftop units
- Lennox fan coil units
- Lennox Minisplit LM (9 to 36 KBTU/h)
- Lennox iComfort™ thermostats

The Lennox Advantage

Installation of technologically advanced HVAC equipment in an existing building, ensuring greater comfort and high energy efficiency.



The challenge

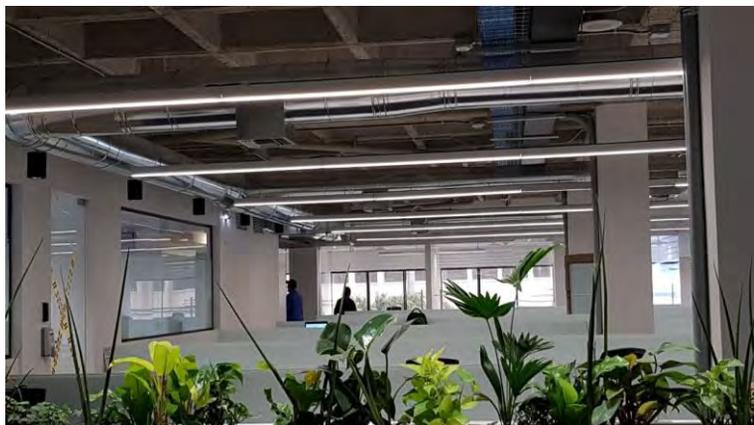
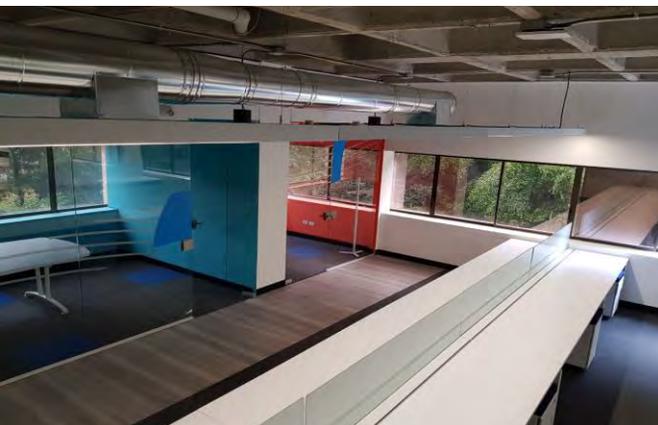
Replace the HVAC system of a 25-year-old office building of 15,000 ft² distributed in two stories, complementing an ongoing architectural renovation.

Why Lennox

Immediate availability of the specified equipment and compliance with budget requirements were determinant factors in the selection of the Lennox brand by the client.

ABOUT THE BUILDING | Internexa S.A., a subsidiary of the ISA Group, is a leading provider of network connectivity services to telecommunication operators, OTTs, corporations, and governments in several South America countries. The company's headquarters will occupy two fully renovated floors in a 25-year-old office building in Medellin, Colombia, totaling 15,000 ft².

PROJECT CHALLENGES | Increasing employee density is one of the main objectives of the architectural renovation of Internexa's headquarters. This requires the installation of a state-of-the-art energy-efficient HVAC system, capable of handling the additional airflow demand.



CASE STUDY

THE SOLUTION | The original rooftop packets, manufactured by York in the 1990's have reached obsolescence and, therefore, had to be replaced with a fully integrated energy-efficient HVAC system. To design its new headquarters, Internexa retained Solinoff, a architectural firm that specializes in planning of intelligent spaces. The engineering studio of Nelson Pulgarin was responsible for the technical blueprint of the HVAC system. The team specified a configuration that includes three rooftop **Landmark K-Series** units of 25 tons of capacity each, two 13ACX fan coil units, and nine mini-split LM-Series with capacities of 9, 12, 18, 24, and 26 KBTUs per hour. The installation of the HVAC system was entrusted to RCAires. The job also includes the redistribution of the office workspace and the automation of a number of control functions. Five **iComfort M30** Wi-Fi thermostats enable users to balance comfort and energy efficiency.



THE RESULT | The installation continues to advance according to plan. While the **iComfort** thermostats are usually employed in residential installations, the design team decided to specify them for the Internexa office project to take advantage of the energy savings and optimization capabilities they offer. The client preference for the Lennox solution was justified by the reputation of the brand, the features of the equipment, and the ability to meet budget and equipment delivery time requirements.



With the iComfort thermostats, Lennox systems can be remotely controlled, enabling users to enjoy the comfort they desire.
Andres Velasquez, Distribuidora Klima SAS.

SUMMARY | The HVAC equipment of a 25-year-old commercial property, under architectural renovation is being replaced with a state-of-the-art 75-ton integrated system, equipped with Wi-Fi **iComfort** remote control capabilities. When the renovation is completed, the high density office space will be used to house the headquarters of Internexa, totaling 15,000 ft² in two stories.