



Telecom City – Moscow, Russia



Presentation of the project:

Telecom City is a Class A+ multi-purpose business complex and one of the biggest and most prestigious of its kind in Moscow. The project has been built to new standards including an innovative design, energy saving technologies, Wi-Fi open air zones and large flexible and functional floor plates (5,000 m²). The total construction area of the project is 430 000 m² and includes 12 blocks of office buildings (105 000 m²), an underground shopping and leisure centre, a hotel complex, sports centre, nursery, restaurants, banks, and other facilities including a 64 000 m² underground car park. 90,000 m² have been leased to Rostelecom for its headquarters and a new metro station Rumyantsevo was opened close to the business complex at the end of 2014. The business complex is located in the prestigious district of Kievskoe shosse, close to Vnukovo Airport.

Parties involved:

- Architect: Cigler Marani Architects
- General Contractor: Renaissance Construction
- Facility Management Company: RD Management

Objectives:

- Provide a solution that requires less energy than a traditional installation
- Reduce operating costs
- Optimise energy consumption and increase efficiency

The CIAT solution:

The shortage of electricity in the region in which Telecom city is located represented a major obstacle for the successful completion of this project. The ability to provide a solution that overcame this issue was a deciding factor in the choice of supplier of HVAC equipment. The added value provided by CIAT equipment combined with Cristopia was that the amount of installed electrical power was significantly reduced. Also, money is saved by using during the day energy accumulated at night when the cost of electricity is lower. The supervision system Cristo'Control enables different scenario to be used autonomously which increases the efficiency of the overall system in terms of energy consumption.

Technical data and equipment:

- 10 POWERCIAT LXC 2800X HPS R134a chillers
- 8 VEXTRA and OPERA drycoolers
- 28 PWB 45 heat exchangers
- 4 Cristo'Control 2 control systems
- 1160 m³ CRISTOPIA Latent Thermal Storage

