



Burgas & Varna Airports - Bulgaria



Presentation of the project:

Situated at the border between Europe and Asia, the international airports of Burgas and Varna operate services not only to and from Bulgaria but also for locations based on the Black Sea coast. New terminals have been added to the existing infrastructures at Bulgaria's Burgas and Varna airports to cope with the increase in air traffic. Officially opened in 2013, the airports welcomed some 2.5 million passengers in the 10 first months which represented an increase of 4.5% compared to the previous year.

Parties involved:

- Architect: Halcrow Group, Pascall & Watson
- Contractor: Fraport Twin Star Airport Management AD
- Project Manager and Installer: Aymek Engineering

Objectives:

- Reduce energy consumption
- Meet particularly short deadlines (equipment manufactured and delivered in 2 months)

The CIAT solution:

The rooftop units heat and cool the air in these terminals, from lobbies and departure lounges to technical premises and utility rooms. Thanks to their tandem compressors, free-cooling function and active heat recovery system, which reclaims waste energy from exhaust air, these units offer the highest energy efficiency. CIAT's Space rooftop units also help with the air exchange in the terminals by extracting stale air outdoors and drawing fresh air indoors. They feature high-efficiency F7 filtration systems with activated carbon filters that trap odours. Although the required delivery times were very short, all 44 units were manufactured in just two months.

Technical data and equipment:

- 44 rooftops
- IPF 90V MRC 11 to IPF 1200V MRC 11
- with cooling capacities of 30 to 350 kW

