



Istanbul Airport Energy Centers Istanbul, Turkey

Project Overview and Details

Istanbul Airport is set to be the world's largest international airport once it is completed in 2025. With a potential passenger capacity of up to 200 million per year the airport will host flights to more than 300 destinations.

Construction of the project, which houses the world's biggest terminal under one roof, was completed in a mere 42 months, and will be the center of Airport City Istanbul, a globally unique urban development project.

The development will include an innovation district, an aviation academy and university, hotels, retail, serviced apartments, office space and a world class hospital facility. In addition, the core zone will be supported by a cultural and conference center which includes a museum, exhibition spaces and conference halls.

An airport – and indeed a city – on this scale requires massive amounts of energy, which is why it will encompass its very own Energy Center with sufficient capacity to meet the entire energy requirement of a medium-sized city.

Solution

Frese has provided dynamic balancing valves for the heating and cooling lines of the ECA, ECB and ECC buildings, which feed the new Istanbul Airport Energy Centers. Due to the very high capacity values in these buildings, we have delivered our first set of two DN1000 Frese ALPHA Wafers with an astonishing 6000 m³/h capacity for the chiller return lines.

The parts of Istanbul Airport fed by these valves include the Main and Auxillary Catering Buildings, Energy Center Buildings, Office Buildings and the ASG-GSE and Operation Center.



KNOWLEDGE

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