



INCREASING AIRPORT FUEL CAPACITY & QUALITY **WITH ADVANCED FILTRATION**

Case Study

Facet designed and installed the new distribution and JET A1 filtration terminal in the Atatürk International Airport in Istanbul, one of the most important airports worldwide with regards to the volume of passengers and the supply of aviation fuel.

Advancing Filtration for a Cleaner World





BACKGROUND

The Atatürk International Airport in Istanbul in previous years has been one of the most important airports in Turkey and is considered to be one of the main airports worldwide in regards to the volume of passengers and its role in the transportation of aviation fuel.

When the leadership of the Atatürk International Airport developed an airport improvement plan to increase airport capacity it was deemed necessary to increase the fuel storage capacity, the main logistics operator for fuel distribution contacted Facet, a global leader in fuel filtration, to carry out a complete improvement of their current filtration equipment.

In addition to the upgrading of existing equipment, Facet was also employed to assist in the distribution and filtration of JET A1 for the new terminal addition.

THE SOLUTION

Facet's technical team, leveraged their extensive experience in international projects to perform a supply chain study and advised the customer on the principal filtration stages required for the compliance of quality standards in the supply of aviation fuel, from its reception until its arrival into plane according to the Energy Institute standards (EI 1530, EI 1550, etc.).

As a result of the study the following equipment was specifically designed, manufactured and installed:

Atatürk airport installation:

- 11 FWS Facet model VCS-538-238 for a flow rate up to 110 m³/h
- 2 FWS Facet model VCS-1656-844 for a flow rate up to 567 m³/h

Depot installation:

- 29 FWS Facet model VCS-538-238 for a flow rate up to 110 m³/h
- 3 FWS Facet model VCS-1656-44 for a flow rate up to 567 m³/h
- 18 FWS Facet model VCS-1156-644 for a flow rate up to 364 m³/h

BENEFITS

As a business which prides ourselves on delivering high levels of service, Facet was able to recommend, design, manufacture, and deliver 63 different models of equipment on-time and on spec. Once installed and tested it was verified that Facet's filtration technologies all successfully met the high quality and efficiency standards required for aircraft fueling.

Facet's success and strict adherence to delivery deadlines has led to future projects with the Atatürk International Airport such as conversions and updates to existing filtration units installed on their supply fleet vehicles. Our technical team of filtration experts also evaluated and supplied the necessary elements to comply with the current EI regulations in accordance with the new flow rates required in every vehicle.

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