

**Process Technologies**  
Aviation Filtration Solutions



## Contaminated Jet Fuel Created an Urgent Demand for Filter Cartridges

### A JET FUEL TERMINAL IN NORTHWEST EUROPE RELIES ON FACET FILTERS FOR ENHANCED WATER SEPARATION PRODUCTS

A fuel terminal in Northwest Europe is supplied by a multi-product pipeline that delivers jet fuel to the airport. When the terminal received contaminated fuel, Facet supplied the customer with a high-efficiency solution that rendered the fuel safe to use.

## THE CHALLENGE

Highly contaminated jet fuel did not meet safety standards and needed to be fully functional.

A fuel terminal received a delivery of jet fuel that was contaminated with water and solids from a multi-product pipeline. Filtering the contamination increased the element consumption for the filter housings by 500%. The increased consumption resulted in a demand for more cartridges than anticipated. Facet had the challenge of providing enough cartridges to filter the contaminants and prevent the terminal from shutting down air travel.

## THE SOLUTION

Facet provided the FA Series, High Efficiency EI 1590 Qualified Cartridges to eliminate contaminants.

The Facet FA Series microfilter is a qualified aviation cartridge that provides solid holding capacity and improved filtration performance. By installing the Facet FA Series, the fuel terminal customer was

able to protect downstream equipment by eliminating the solid contaminants. Engineers and consultants collaborated to evaluate the vessel housings. The team checked for internal leaks, monitored the DP, and tested the cartridges after every change-out to ensure the filters were performing as expected.

## THE RESULT

Facet protected vital downstream housings and returned the filter water separators to normal without any interruption in airport fueling operations.

The Facet team collaborated with the fuel terminal staff to restore fueling operations. This helped the terminal avoid a shutdown that could have caused delays and cancellations in air travel throughout northwest Europe.