

SAF Feedstock: HEFA

BENEFIT

Innovation embedded in our process knowledge and experience helps our customers be assured that all production operations will be reliable, efficient and produce high quality fuels.

SUCCESS STORIES

Biofuels Degumming Wastewater Treatment in Europe

A biofuels producer in Europe faced problems with processing waste oils and fats that resulted in reduced operational reliability and frequent maintenance problems. We were able to provide a biobased coagulant, high oil and gas affinity liquid flocculant, and an EU Ecolabel* antifoam.

We were able to:

- Increase longer membrane life and reduce cleaning maintenance in the plant
- Increased oil and grease removal from 59% to 90%



**GREENHOUSE
GASES**

- 15kg/h less O₂ (4.3 kW)
- 16.9 metric tons CO₂ reduction (\$8,148 USD/year)

North American Plant Optimizes Storing of RBD Soybean Oil

A customer in North America was concerned about potential degradation of Refined, Bleached, and Deodorized (RBD) Soybean Oil. To help mitigate this potential issue, we provided an antioxidant to the feed tank.

We treated 150,000 barrels / 24,000 metric tons of RBD Soybean Oil.



COSTS Total Value Delivered: \$24MM

*Product meets REACH regulation

OFFERING

Feedstock

- Preservation & stabilization
- Handling properties improvement

Pretreatment

- Degumming efficiency improvement

Processing

- Fouling/Foaming
- Corrosion control
- Emulsion breakers

Wastewater

- Total Water Management
- Oil & Grease removal
- Effluent quality control

Finished Fuel

- Lubricity Improvement
- Conductivity improvement
- Stability & cold flow improvement