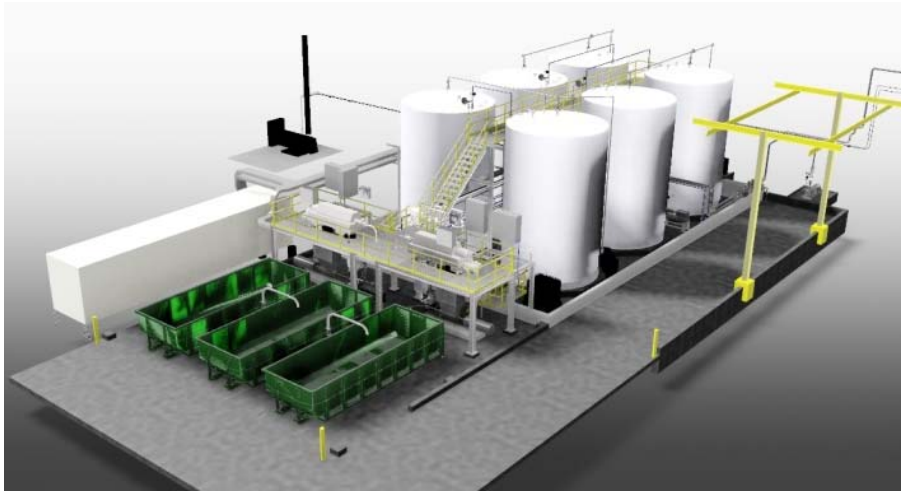
Centrifuge Separation

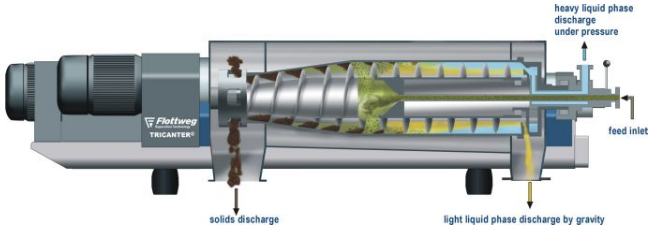
Intergulf's advanced processing capabilities include two, state of the art, 25GPM, horizontal, gas tight, Tricanter centrifuges. These centrifuges are located at Intergulf's Highway 225 location in La Porte, Texas, which houses the company's petroleum refinery (SIC 2911), evaporator distillation process (re-refinery), fuel oil blending operations and transportation fleet.



Tricanter centrifuges are designed to handle feedstocks with high-solids, high-water, high-ash and difficult-to-manage oils that are commonly procured from other refineries and petroleum facilities. Feedstocks will also include pumpable product tank residuals and other lower quality oils that typically require on-site centrifugation to meet market specifications.

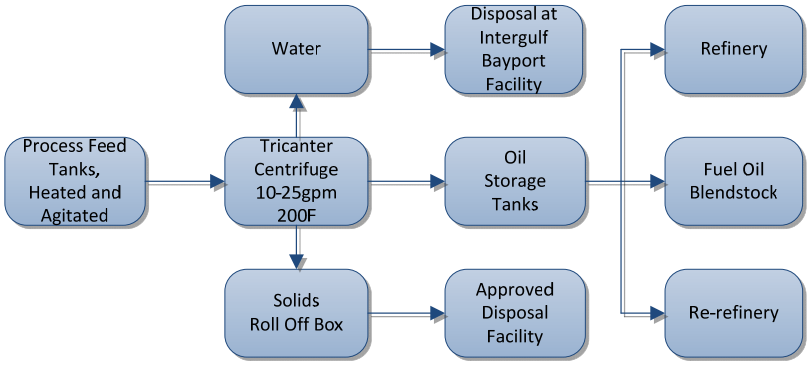
To cover the widest range of feedstocks, Intergulf's Tricanters are gas tight machines incorporating nitrogen purging and blanketing with redundant oxygen monitoring. This feature allows for safe processing of flammable or non-flammable feed materials. The safety of the entire process plays an important role as the focus lies on protecting the environment on one hand, while also ensuring workplace safety for employees.

The finished product is a low-ash, low-water, low-solids oil ready for market or can easily be diverted to the petroleum refinery or the re-refinery for further processing. Byproducts are water and solids. Intergulf treats and processes the water internally through its Bayport waste treatment facility in Pasadena, Texas, which accepts both hazardous and nonhazardous waste. Residual solids are landfilled or incinerated at approved facilities.



Flottweg Tricanter Centrifuge

Component	Feed Percentage	Typical Finished Product Spec.
Water	0 -100%	<0.5% Solids
Hydrocarbon	0-100%	<1.0% Water <0.5% Solids
Solids	0-30%	
Results dependent on solids size		



Intergulf Centrifuge Separation Process