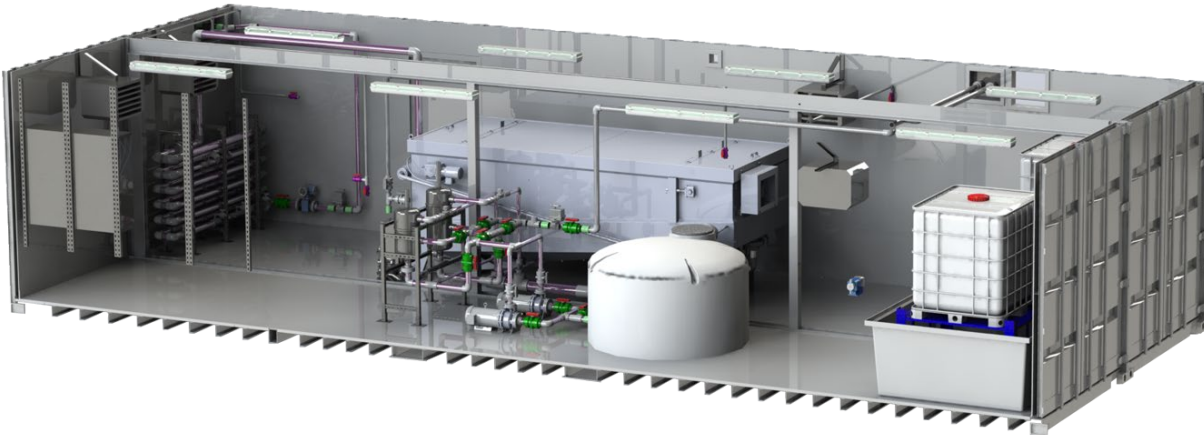


Containerized Dissolved Air Flotation Unit



Case Study Details

This 20 m³/hr Dissolved Air Flotation (DAF) unit was designed to be located inside two custom side-by-side 40 foot HC shipping containers which included insulation, lighting, heating and ventilation and ancillary equipment. The middle walls between the containers were removed to provide a much larger opening for operations and equipment access.

The objective was to treat Total Suspended Solids (TSS) up to 10,000 mg/L. The system consisted of flowmeter, pipe flocculator, DAF, transfer pumps, transfer tank, automatic self cleaning filters in series, polymer make down system, polymer and coagulant metering pumps complete with spill containment basins and PLC control panel to fully automate the treatment system.

Start-Up: November 2016

H2Flow Ref: Q-097-16