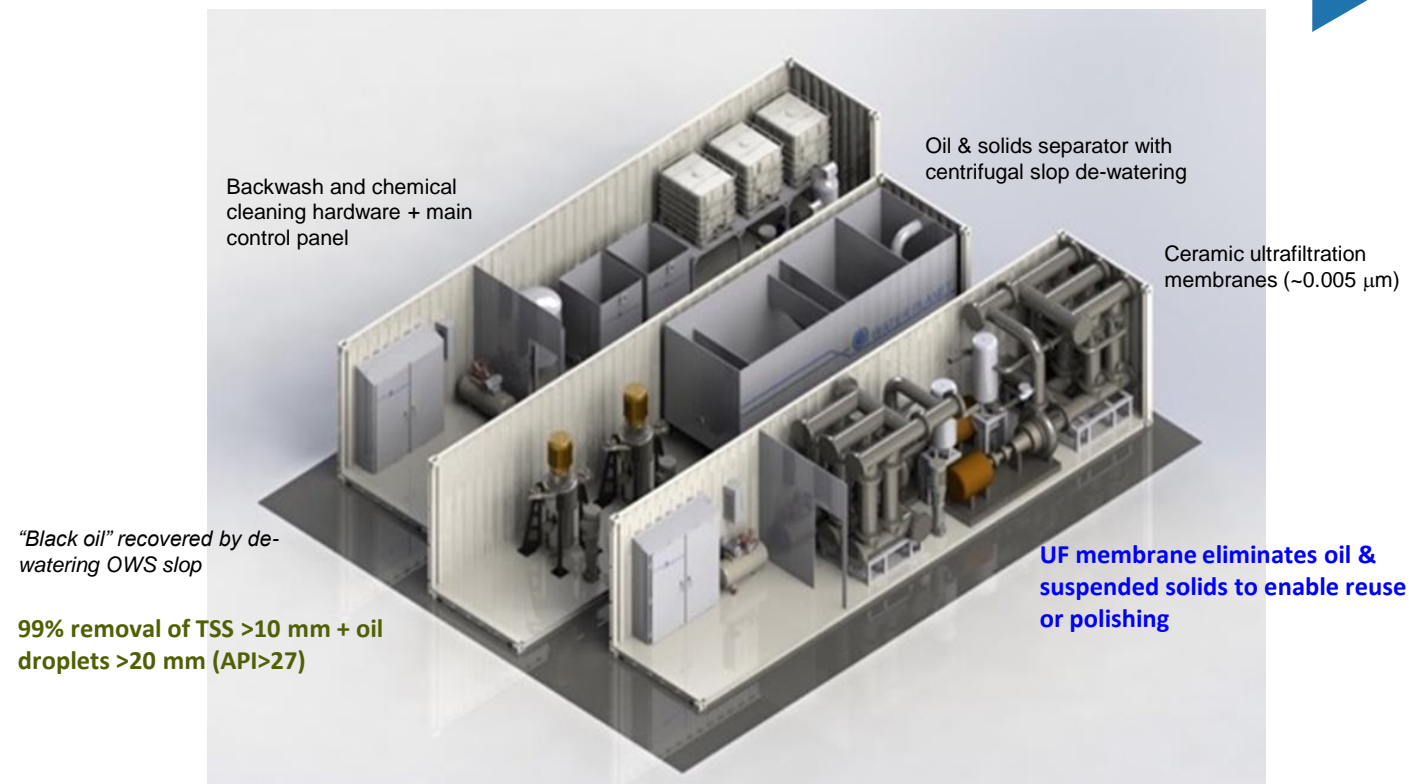


Technical Overview

- **IMS 5000 Utility Requirements (all connections female cam):**
 - ✓ Container 1: Influent 4", Light Phase 2", Solid collection 1",
 - ✓ Container 2: Analytic Discharge 1", 2 x Filtrate 4",
 - ✓ Container 3: RO feed 1", RO Concentrate 1" Main Drain 4"
- **IMS 5000 Design Specifications:**
 - ✓ 800m³/day throughput capacity
 - ✓ 3 x 40' High-Cube Containers
 - ✓ Footprint 1420 square feet. (135m² footprint)
 - ✓ Power demand (Installed/ Maximum): 285 kW, 480 VAC/3P/60 Hz
 - ✓ Weight Dry/Wet: 76,000/149,000 lb
- **Benefits of the IMS technology include:**
 - ✓ **Fully automated/Low maintenance:** Hassle free and remote controlled operation including automated backwash and CIP to provide optimal flux management.
 - ✓ **Mobile:** Easily deployable to remote locations with rapid commissioning and decommissioning.
 - ✓ **Robust and reliable:** Integrated system can easily adapt to variations in influent quality while consistently producing high quality water.
 - ✓ **Low Operation cost:** Optimal energy consumption as well as prolonged membrane longevity in the face of fluctuating influent quality.
 - ✓ **Modular:** Reduces upfront capital requirements as additional units can easily added to the existing trains in case of future expansions.
 - ✓ **Compact:** Significantly lower footprint than conventional produced water treatment technologies.

Our systems use ceramic ultrafiltration membranes to eliminate oil and suspended solids and up front mechanical oil-water separation to capture and dewater free oil. The IMS-5000 is designed to operate continuously at 150 gallons per minute (34 cubic meters per hour | 5000 barrels per day) and up to 85 degrees C (170 degrees F) with influents up to 2% oil and 0.5% solids. Due to its robust design and IntelliFlux™ controls, the system can handle the inevitable spikes in concentration typical in upstream production.

The mechanical and membrane separation steps are fully integrated for optimal end-to-end produced water treatment applications, achieving solid removal, deoiling, and produced water polishing in a high throughput process.



To benefit from the process efficiency, cost, safety and environmental gains that can be associated with membrane based water treatment solutions, it is essential to make the right technology selections for the lifetime of a project.