

Sludge Treatment Unit

S•T•U

Description:

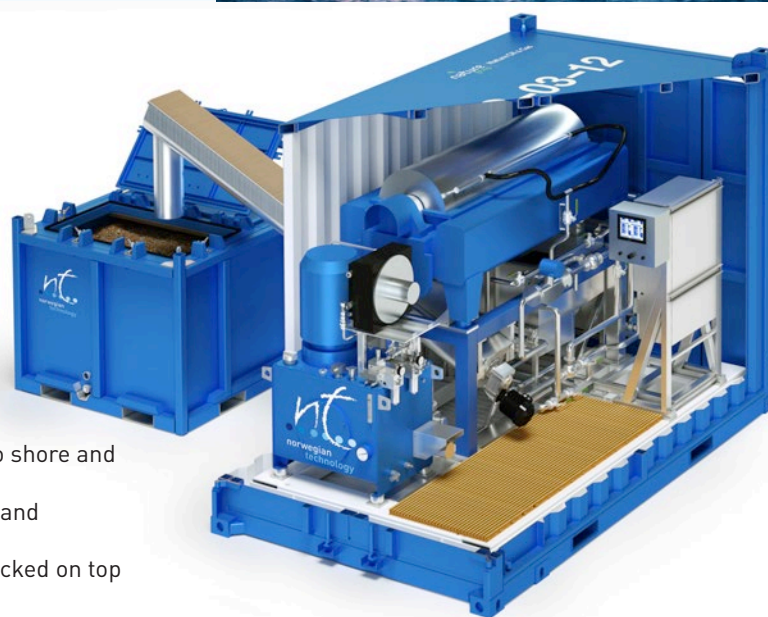
STU is a Sludge Treatment Unit designed for treating heavier slop waste such as sludge, water saturated mud etc. The separation technology includes an emulsion breaker injection system in combination with a decanter centrifuge with high slenderness ratio. The unit is perfectly equipped to separate the solids from the water. The effluent water is suited for water treatment with the CTU.

Features:

- Small footprint, 14 ft container
- Capacity, 10 m³/h
- Proven technology
- Hydraulic Drive
- Variable speed & diff. speed
- Multipower, 400 – 690VAC 50/60Hz
- Standalone unit
- Works together with CTU's
- Controlled by PLC system
- NORSOK Z-015 standard and DNV 2.7-1

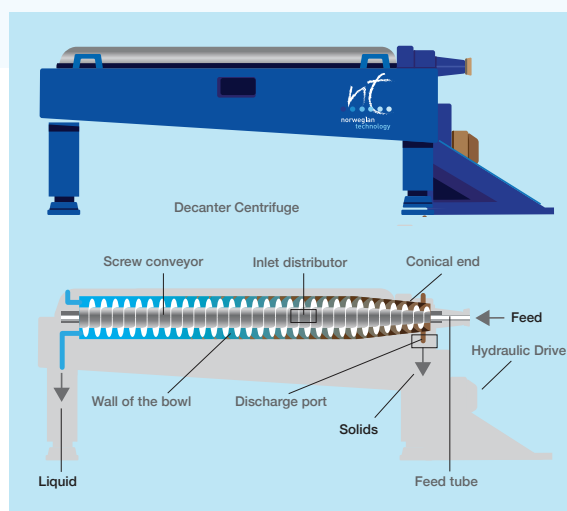
Benefits:

- Dewatering of sludge/mud to prepare water for water treatment with the CTU.
- Cost reduction on transport of sludge/mud to shore and hazardous waste handling.
- The STU can further dewater the CTU sludge and therefore make it more efficient.
- The STU has extra ISO fittings so it can be stacked on top of the CTU for the saving of deck space.



TECHNICAL DATA

Container.....	5' DNV 2.7.1
Size/weight.....	14 ft / 11 000 kg
Dimensions (mm).....	L: 4 267; W: 2 438; H: 3 002
Treatment capacity.....	Up to 20 m ³
Standards & Specifications.....	Norsok Z-015
Inlet.....	2" Cam-Lock Male
Reject.....	2" Cam-Lock Male
Solids.....	Chute to ship
Water discharge.....	2" Cam-Lock Male
Water Supply.....	1" Chicago Claw
Air Supply.....	1" Chicago Claw
Oil in Water Monitor.....	Internal
Water usage.....	Max 100l/h (washing)
Chemical usage.....	Dosing based on lab report
Electromotive force.....	400-480 V 50-60 Hz
Power connection.....	Plug / junction box / 70 kw - 125A
Pressurized Air usage.....	34.5 Nm ³ /h
Capacity	1-10 m ³ /h
Design pressure.....	10 Bar
Design Temperature.....	-5 +35 °C
Design pH.....	2-12
Pressurized Air.....	Min 5 barg



Chemically breaking the emulsion of heavy slops