

# *Oily Liquid Waste Treatment Systems for Ports & Oil Recycling Companies*



**Recycling of Sludge Oil / Slop Oil / Waste Oil**  
**Recycling of Oily Water / Bilge Water**  
**Reliable separation into Oil & Water**  
**Reuse and Resale of Oil**

Oily Water will be internally cleaned & discharged to the local sewage network.

Separated Oil can be sold as substitution fuel oil.



**Turn-Key-Unit for a Liquid Oily Waste-Management Company in Bremerhaven / Germany**

# Environmental Systems

## Environmental Systems Product - Info No. 9

### **Sludge Oil Treatment Systems for Ports & Oily Water Treatment Systems for Ports**



**Special designed Ultrasonic Technology for cracking stabilised Oil/Water-Emulsions**



**Special designed 3-Phase Decanter for separation of free water / free oil and solids**



**Special designed Membrane System for cleaning of Oily Water / Bilge Water**

- ✓ Proved & reliable separation of Oily Liquid Waste
- ✓ System purifies also Used Oils with an extreme high content of solids & water
- ✓ Easy handling & treatment of highly viscous Used Oils
- ✓ Quality of treated Oils fulfil the customers acceptance as derived fuels e.g. for the cement- & steel-industry or for Boilers, etc.
- ✓ Treated Oils can be used for further applications
- ✓ No use of chemicals
- ✓ Water can be discharged to local sewage network
- ✓ Simple integration into customers existing process
- ✓ System-sizes from 1 up to 200 m<sup>3</sup>/day, modular upgradeable
- ✓ System-configuration according application, specification & installation, tailor made
- ✓ Technology / Process can be easy and at any time adapted to the varying and special demands of the market concerning achieving of necessary oil quality
- ✓ Ready to install units, internally cabled and piped / Turn -Key -Unit
- ✓ Installation in Container also possible
- ✓ Full automatic operation process resulting in less operation cost & less man power



Special **ESSORP**-Ultrasonic-Technology for cracking stabilised Oil / Water-Emulsions



**ESSORP**-Unit with SPS installed close to the Tankfarm from a Power Plant



**ESSORP**-Ultrasonic-Technology with downstream 3-Phase-Decanter for separation of oil, water & solids