

## Environmental Systems Product - Info No. 2

### ESSORP-Technology for Power Plants

During October 2005 the **ESSORP-Technology** developed from Environmental Systems was successfully installed at the Power Plant Choloma in Honduras. This Power Plant was engineered and build up by the MAN - Germany.

First time the daily accumulated 10 cbm Sludge Oils from this 230 MW Power Plant can be recycled & treated in a way, that the operator / operating company can use and resell the cleaned oil as substitution fuel oil for the cement and steel industry.



View of the Power Plant at Choloma / Honduras during the first phase of construction with 5 motors for 80 MW installed power



View into the engine room with 13 installed motors



View into the separator room



Parts of the **ESSORP**-demonstration plant

Until now no sludge oil treatment system was in the position to treat this extremely high viscous waste oil from the HFO- & lube oil-separators neither mechanically nor with chemicals. Thus neither the solids nor the water which is a stabilised emulsion with the oil could be removed.

Environmental Systems has installed its demonstration plant on-site, in cooperation with MAN and GEA Westfalia. Immediately Environmental Systems has reached the quality of purified oil from the sludge oil as expected and requested by the operator during non-stop operation. Shortly after Environmental Systems has integrated its **ESSORP - Technology** on-site successfully, MAN has ordered a Ready-To-Install-System which will replace the demonstration plant permanently.



