

Case Study

Customer: Vale Moçambique – Projeto Carão Moatize

Requirement: Treatment of Effluent

Year: 2012

Discharge Source: Environment



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Moatize is the largest Vale operation to date and the mine is expected to yield a nominal annual production capacity of 11 million tons of metallurgical and thermal coal.

Vale Mine



Mobile 18m³/h Oily Water Separator solution



Solution

Procon had been working closely with Aurecon (previously known as Africon) on the Moatize mine project since June 2008.

We were finally awarded the Projeto Carvao Moatize phase 1 Oily Water Treatment project in June 2010 and worked closely with the project team on the installation of a hydrocyclone **ES110 (110m³/h)** oily water separator, as well as **mobile ES18 (18m³/h) trailer solution**, along with **Mycelx filtration** and an **oil in water monitor** for the sites spill basins.

The **Hydrocyclone Oily Water Separator** system had to fit in perfectly with civil design.

We provided onsite training and had our technician stay on site for a further 30 days to ensure all relevant mine workers were provided with necessary skills & expertise to operate system to its maximum efficiency.

As Vale are **discharging water back into the environment** **Mycelx filtration** was included to ensure discharge levels are **below 2,5mg/l**

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We provide Oily Water Separators, Floating Skimmers, Bioremediation and Fuel Filling Overspill Protection.

Call us for further information on our ProSpin innovative hydro cyclone designs, separating oil and other contaminants from water while our Mycelx filtration removes 100% of TPH and oil and grease