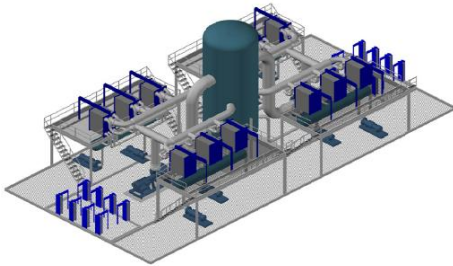


# EPF Produced Water Treatment for Re-injection



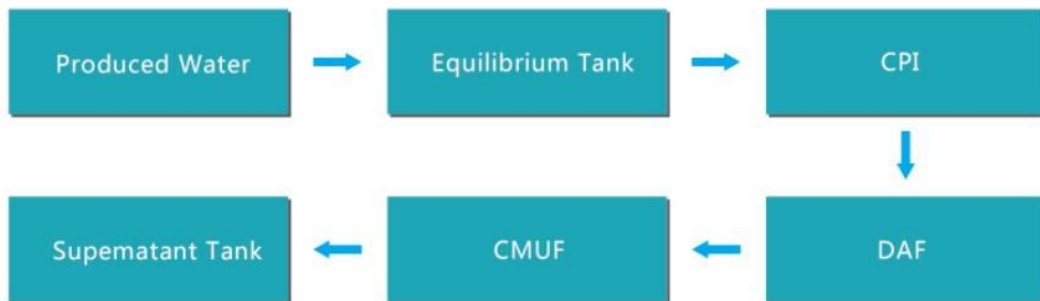
The technique, consists of a new Dissolved Air Flotation (DAF) System, fine filtration, new membrane treatment and other physical, chemical methods, that can remove oil particles and suspended solids. Each unit can be modularized and composited for different water quality treatment.

## Introduction

Oilfield production testing is followed by large oily-sewage, which is different from regular produced water. The water during production testing is short-term and discontinuous. In terms of this issue, Haimo ESG has developed a mobile water treatment equipment which could be set flexibly according to customers' demand. The effluent is ready for re-injection.



## Process



The oil contained wastewater firstly passes through the equilibrium tank skimmer unit to adjust flow rate and remove slick oil; then in the DAF unit emulsified oil will be largely reduced; finally through the CMUF unit, most of SS and oil content of wastewater will be cleaned up to meet the 0.01 $\mu$  m<sup>2</sup> average air permeability standard of SY/T5329-2012.

## Specifications

- High flexibility. The treatment could handle projects with variable flow rate and quality.
- Skid-mounted/plant, easy transportation and installation, flexible arrangement according to demands of clients.
- Automation. Compact, highly automated, integrated, less people dependent.
- Good treatment on the oily sewage of highly concentrated emulsions.

EPF Produced Water Treatment for Re-injection

<http://www.haimotech.com/Products-and-Services/Environmental-Protection/EPF-Produced-Water-Treatment-for-Re-injection.html>

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