

CASE STUDY

Brackish Water RO System for Steel Mill Plant



Background

SteelAsia located in Compostela, Cebu is the newest, largest, and most modern steel mill factory with a production capacity of 1,000,000 tons of rebar annually. In 2022, a new water treatment plant was built to provide treated water for its cooling tower recirculation purposes. EuroTec was selected to supply a 2-stage BWRO system with the feed capacity of approx. 98m³/h and a recovery of 70% to the SteelAsia factory new water treatment plant.

Solution

EuroTec, Engineered Membrane System (EMS) on the RO membrane system (ETROS) for this project is a fully assembled BWRO skid with the essential equipment including the RO pressure vessels and RO membranes, cartridge filter housing and filter elements, High Pressure pump, as well as the control panel, control valves, instrumentation, piping & fittings is a complete plug and play membrane system for the ideal water treatment solution.

Plant Location: Cebu, Philippines

Water Source: Well Water + Cooling Tower

Application: Cooling Tower

Operational Start Date: 2022

Capacity: 1,640 m³/d

System Model: ETROS-BW 15-6

No. of RO Housings: 15 (two-stage configuration)

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