

CASE STUDY

Surface Water Filtration for Potable Water Use



Background

The Cisadane river is the main source of potable water for the Gading Serpong township (21 kilometres west of Jakarta). Residents and businesses rely on local water providers to supply them with clean drinking water free from contaminants such as suspended solids, organics and especially microorganisms – bacteria and viruses.

Solution

EuroTec ultrafiltration (UF) membrane is precisely suited for such a purpose with its ability to thoroughly remove suspended solids, bacteria and viruses. Two models (ETUF-9060R and ETUF-5055R) were installed at the Summarecon Water Treatment Plant as the key and final water treatment technology, providing up to 3.24 million litres of potable water daily for the Gading Serpong township. One of the main advantages of membrane technology is the consistency of output water quality and this is particularly crucial for drinking water. As such, EuroTec UF membrane is the ideal technical solution for this situation.

Plant Location: Indonesia

Water Source: Surface Water

Application: Potable Water

Operational Start Date: 2014

Replacement to EuroTec UF: 2019 and 2020

UF Capacity: 3,240 m³/d (max)

ETUF Module: ETUF-9060R, ETUF-5050R

No. of Modules: 48 (Total)

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