

nx

filtration

direct Nanofiltration for Potable water

Our customer, a municipal drinking water company in Indonesia, was looking for a simple and robust solution to remove color (humic acids), pathogens, and micropollutants that have accumulated in the Masjid river during its flow through the rainforest. With the use of direct nanofiltration, this water is now used for the production of drinking water for the city of Dumai.

Our Solution

We apply our dNF80 nanofiltration membranes, providing a unique one-step solution resulting in a product water flow of up to 3,000 m³/day.

Dumai City Water Treatment Plant in Indonesia



Pressure
4.5 bar



Recovery
80%



Flow
3,000 m³/d



Feed
Well Water



Our dNF membrane technology enables a sustainable water treatment process that does not require the addition of chemicals prior to filtration. Together with a low operating pressure and low chemical cleaning intervals, the OPEX of the process is approximately 0.12 \$/m³ (including replacement, electricity, labor and maintenance).

