THE CHALLENGE

In an industrial plant using low pressure boiler to generate steam for process use and power for the facility in Austria needed 100 gpm of pure water as boiler make-up feed.

180 gpm of raw water from the neighboring waste water treatment facility was pumped into the plant. A compact water treatment package was used to provide the treatment equipment needed.

OVIVO’S SOLUTION

Ultrafiltration is used to remove particles and colloidal matters down to 0.03 µm to protect the R.O. membrane used downstream. R.O. membranes used to remove 99% of the salts and organic matters and to produce the pure water necessary. The quality of water produced includes, conductivity of approximately 50 µs/cm and total hardness of <0.2 mequ/L suitable for the low pressure boiler.