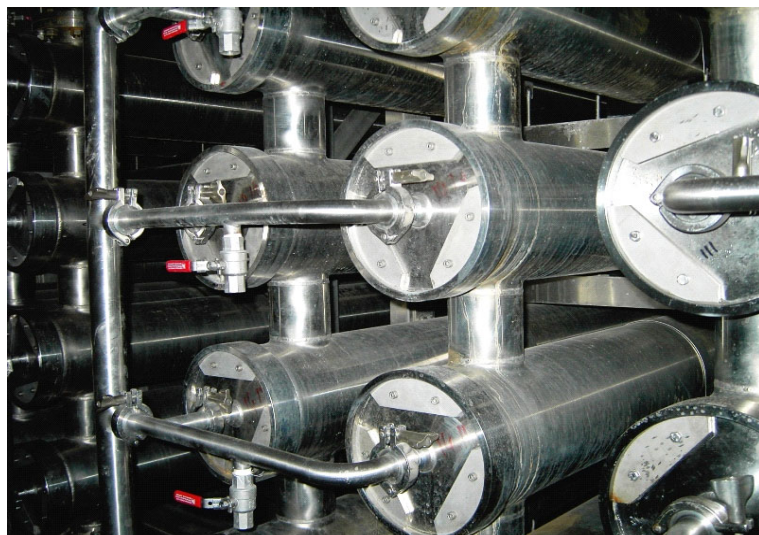


Papermill Palm

King's Lynn / PM 7 Effluent Treatment Plant Nanofiltration



Regierungsbaumeister
SCHLEGEL



Client

Palm Paper Mill

Period

2007 - 2009

Project Cost

4.500.000 €

Abstract

The effluent generated by the paper production is treated in King's Lynn plant. A nanofiltration is planned, in addition to sand filtration, for treatment of both fresh and process waters.

Subsequent to sand filtration, fresh water is purified to a COD concentration of < 10 mg/l through nanofiltration, equipped with a spirally-wound module, where germs are held back and water is softened by retention of uni- and bivalent ions during the process.

Scope of Service

pre-design, design, approval design,
execution design, preparation of tender
documents, construction supervision, site
supervision
planning of structural framework
technical equipment

commissioning
project control

Technical Data

Capacity	781 m ³ /h
Membrane surface	40,000 m ²
Flux rate	20 l/m ² • h
COD inflow	50 mg/l
COD permeate	10 mg/l