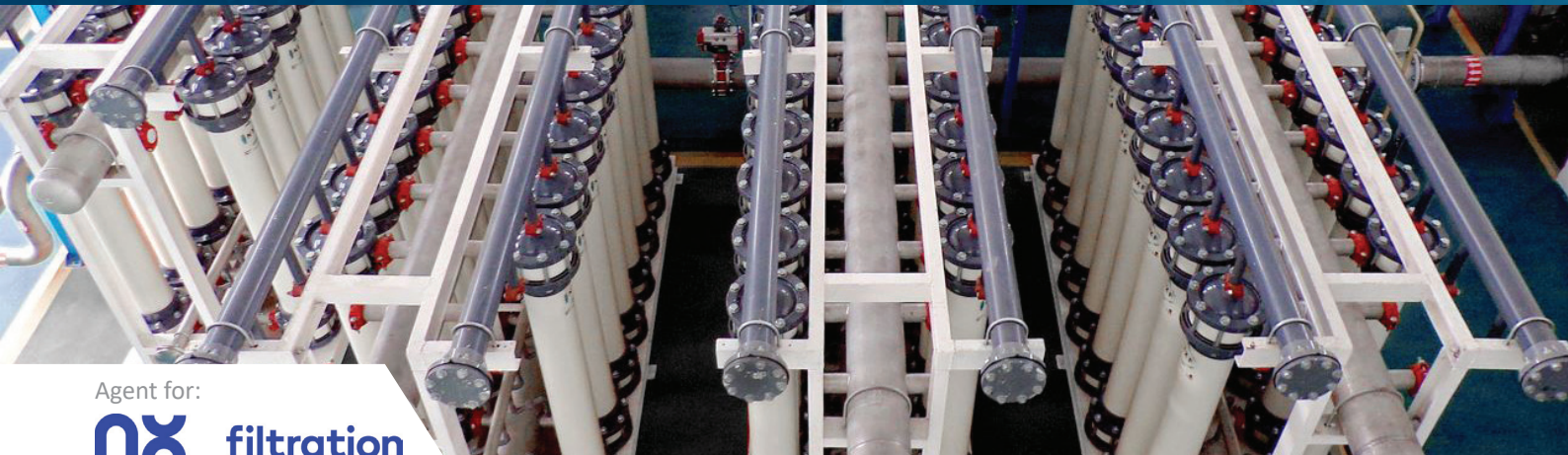


## PRE-TREATMENT FOR RO PROCESS AT AN AEROSPACE MULTINATIONAL IN HUNGARY

### CASE STUDY



Agent for:



### THE CLIENT'S NEEDS

The customer, an aerospace multinational located in Hungary, was looking for a pre-treatment solution for its reverse osmosis (RO) process of wastewater streams from the cleaning of airplane engine parts.

### OUR SOLUTION

We applied our dNF40 nanofiltration membranes after a complex wastewater treatment process to decrease the cleaning frequency of the RO system and increase the lifetime of the reverse osmosis elements.

### OUTCOME

The dNF unit combines 200mm and 110mm dNF40 modules in a Christmas tree arrangement with partial recirculation to increase the overall recovery. We realised a reduction of the RO cleaning frequency as well as a prolonged lifetime of the RO elements.



#### Performance Summary:

- 90% Recovery
- 2x Doubling of the RO flux
- 80-90% COD removal