| Location | Application | Equipment | Year |
|---|---|---|---|
| Odense, Denmark | Effluent treatment for recyling | MCH 8 | 2000 |

## Case history brief:

| | |
|---|---|
| **Location:** | Odense, Denmark |
| **Application:** | Dalum Papir A/S, fine paper production |
| **Capacity:** | 80 $m^3$/hr |
| **Clarification:** | SST, NTU reduction |
| **Chemicals:** | PAC, flocculant |
| **Installation:** | 2000 |

## Case history features:

Water from a settlement clarifier is fed to the Megacell MCH 8 where most of the solids are removed. The clarified water then goes through the sand filters (KSF 3/1 and KSF 5/1 - which run in parallel) to provide cleaner water for recycling to the paper-machines. Used on felts, wines and pump sealing water.

| Feed: | | Megacell outcome: | | Sandfilter outcome: | | Chemicals: |
|---|---|---|---|---|---|---|
| SST: | 100 | SST: | 20-30 | SST: | ≈ 10 | PAD: 30mg/l |
| NTU: | 100-300 | NTU: | - | NTU: | 10-20 | Flocculant: 4 mg/l |
| COD: | - | COD: | - | COD: | 15% red. | |

Chemicals are dosed according to algorithm based on NTU into Megacell; the mill currently re-uses 55 m3/hr.
As around 10 m3/hr are lost as rejects, this is around 80% of water treated.



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