

# Rise to the environmental challenge

## With Hydrotech filters in the Power industry

### The Hydrotech solution

The Hydrotech filter solution is a well known and proven technology in the Power industry. We have many global applications in intake water (pre-treatment), side stream filtration, cold lime filtration, blowdown water and makeup water. We have references all over the world such as in North America, Europe, Middle East, Australia and Asia. The compact Hydrotech filters are very easy to install and to retrofit into existing plants. For an outstanding removal of suspended solids, think Hydrotech.

### Cooling Tower Blowdown Treatment

The West Virginia full-scale system is developed for the cooling tower blowdown to meet the new discharge limitations. The capacity of the plant is 1 480 m<sup>3</sup>/h and the system includes two treatment trains with two ACTIFLO Turbo steel package plants, two Hydrotech Discfilters of model HSF2220-1F, a 14-ft diameter sludge thickener and three 200-cf plate and frame sludge filter presses.



Power plant at Ploesti Dalkia Rumania. Source: Photothèque VEOLIA - Manolo Mylonas

The Hydrotech solution is easy to combine with other technologies. The combined Actiflo and Hydrotech Discfilters ACTIDisk® process, for instance, is a patented solution. The process requires lower chemical consumption and the total cost of ownership is extremely low compared to other technologies.

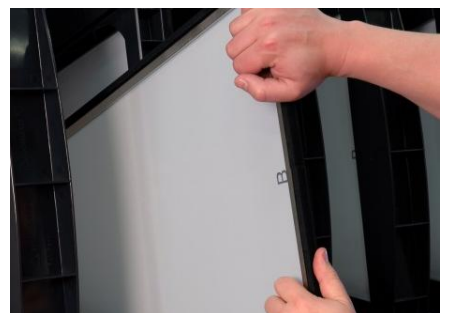
### Power applications

- Pre-treatment (intake water)
- Cooling tower system
- Side stream filtration
- Cold lime softening



### Hydrotech advantages

- Compact yet performant solution
- Easy operation, low maintenance and safe work environment
- Low power consumption
- Flexible, modular design
- Proven quality and exceptional longevity
- 30 years of experience and Global network ensuring local support and expertise
- First class engineering and manufacturing



## Process applications

Together, Veolia and Hydrotech technologies can offer the best possible solutions. Our portfolio is comprehensive and allows for a vast number of winning combinations, all offering simple and user-friendly technology, low maintenance, and high utility to secure performance.

### Pre-treatment of make-up water

PUMP STATION



COARSE BAR SCREEN



DISC- OR DRUMFILTER

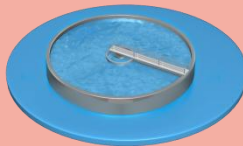


### Cold lime softening

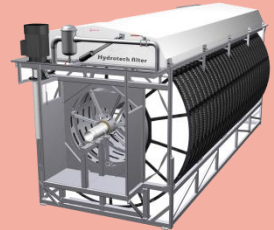
CHEMICAL  
PRECIPITATION



CLARIFICATION  
(Actiflo, Multiflo, DAF, settler)

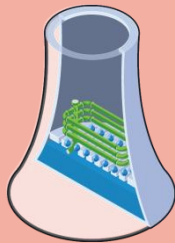


DRUM- OR DISCFILTER

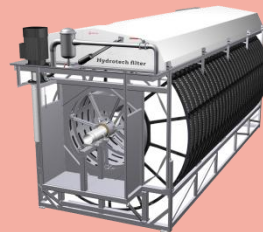


### Side stream filtration

COOLING TOWER



DRUM- OR DISCFILTER



Blowdown  
water

## Veolia Water Technologies

Hydrotech technologies • Mejselgatan 6 • SE-235 32 Vellinge • Sweden

tel. +46 (0)40 42 95 30 • fax +46 (0)40 42 95 31

[www.hydrotech.se](http://www.hydrotech.se)