



## Energy from waste site: cleaning of air cooler condenser

A site burning 600,000 tons of waste annually has awarded CTP environment UK for performing the cleaning of its Air Cooler Condenser (ACC). The ACC system consists of twelve motors with A-frame design.

Previously, cleaning was carried out offline with wet process. Results were questionable and the cleaning only partial with risk of packing deposit inside the bundle.

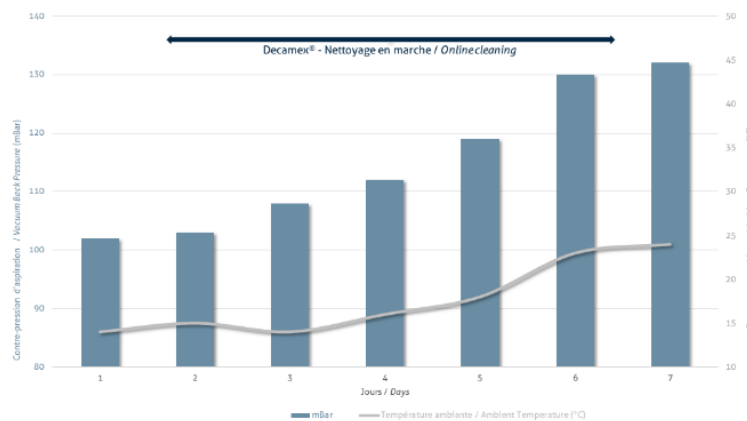


The Decamex® process was proposed, offering a **dry online** alternative to the client with the following benefits:

- faster payback
- more effective
- complete cleaning of the surfaces and bundles

The Decamex® process, involving low air pressure cleaning, is easy to implement and very effective. Significant cost benefits were realised by performing the cleaning **online**.

To evaluate the efficiency, vacuum backpressure versus ambient temperature was monitored before and after the Decamex® cleaning.



Paramètre / Parameter	Avant / Before	Après / After	Amélioration / Improvement (mBar)	Malgré Temp. Amb. / Despite Amb. Temp.
Contre-pression d'aspiration / Vacuum Back pressure (mBar)	102	130	28 ( +25 %)	+9 °C

Results show a significant improvement (more than 20 %) on ACC performance despite a less favourable operational environment (ambient temperature rise). After the clean, the ACC is seen to be operating much closer to the design than previously.

The client has decided to carry out its ACC cleaning with CTP twice a year to maintain this unprecedented level of performance.

Our experienced team has developed new tools to comply with every design and configuration of ACC.