

Energy savings by doing a power plate upgrade



Total Cost Evaluation

Alfa Laval has developed a calculation tool that shows exactly how much you can save in your decanter operation by different measures. The figures below represents a typical plant. Please contact us to for a calculation based on your specific operation.

Result

18% savings in energy consumption, representing
\$22,000 / £17,000
 savings over a 1-year period.



Input

The following data is used per decanter.

Sludge Feed

Flow rate	45 m ³ /h
Dry Solids In	2.4 %/wt

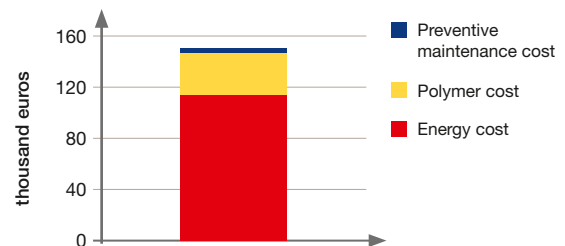
Decanter Information

Operation time of sludge dewatering per year	8736 hours/year
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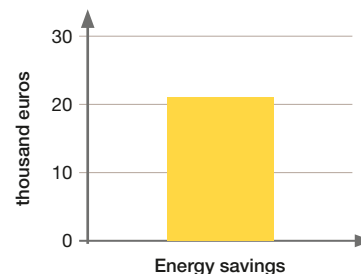
Utility & Other Cost

Water cost for polymer make-up	0.5 €/m ³
Cost for electric energy	0.1 €/kWh
Polyelectrolyte cost	0.4 €/kg
Transport & disposal for dewatered sludge	38 €/ton (wet)

Total evaluation cost over a 1-year period



Total savings over a 1-year period



Do you want to know more?

Visit www.alfalaval.com/decanterperformance

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