

ADEQUATEC

Component manufacturers - Manufacturer -
Design Office - Engineering



Energy efficiency
Water
Environmental development

Activities

- Manufacture and marketing of a range of eco-designed screw-presses for sludge dewatering with very low energy consumption and very low operating cost: ADEQUAPRESS®
- Consulting, design and construction of dehydration workshop with high environmental value that can benefit from a certificate of energy efficiency
- ADEQUATEC is the pioneer and the only French manufacturer of screw press since 2005 with its ADEQUAPRESS® range
- The ADEQUAPRESS® range with reusable filter drums offers zero waste. Indeed, during the quinquennial maintenance of filter drums, 70% of their material (stainless steel) is reused and the remaining 30% are recycled.
- The ADEQUAPRESS® filter drums are of the Plug & Play type. Their replacement is done very quickly and without production stops
- ADEQUAPRESS® is a tool for energy efficiency and economy. The replacement of a centrifuge brings more than 200 kWh of energy saving and 50 € of saving on average on the operating cost per ton of dry matter.

70% of organic sludge in France, more than a million tons of dry matter, are dehydrated by equipment that consumes too much energy and is prohibitively expensive to operate. The rehabilitation of these WWTPs with ADEQUAPRESS® would erase more than 200 000 000 kWh per year, equivalent to the consumption of 400 000 inhabitants! The saving on operating costs representing more than 50 million euros per year, would allow each year to integrate solar panels producing 33 GWhc! As such, ADEQUAPRESS® can also be considered as a springboard for renewable energies.

In **anaerobic digestion**, the ADEQUAPRESS® can be used to thicken the raw sludge and then to dehydrate the digestate with the lowest operating cost on the market and unparalleled energy efficiency. The overall energy and economic balance of the anaerobic digestion is then significantly improved.

References

IN FRANCE

ADEQUATEC has a feedback of more than 10 years and more than 50 operational references with all water companies : Veolia, Suez, Saur, Industries (Sojasun, Bruggen, Adonis, Paper mill...) and municipalities (Belley (01), Bourges (18), Dijon (21),...).

INTERNATIONAL

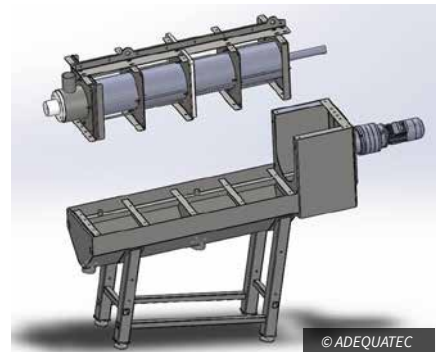
City of St Petersburg in Russia with Veolia Water, Medite Europe in Ireland.

Certifications, labels or prizes

2010 first prize awarded by French Ministry of Ecology and ADEME (Energy Saving Agency).

See our video at:

http://www.dailymotion.com/video/xfu81u_adequatec-prix-entreprises-environnement_tech



ADEQUAPRESS® offers:

- 95% energy saving
- 60% saving on running cost
- Simple, efficient: Detention rate > 95%
- High environmental value: Reusable filter drum
- Maintenance in situ without production stop

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Staff:
5 persons

Turnover: 1.1 M€
International turnover: 125 000 €