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ARAB FUTURE CITIES SUMMIT
 QATAR 2016



Under the High Patronage of

وزارة البلدية والبيئة
 Ministry of Municipality and Environment

11-12 April 2016
 The Ritz-Carlton
 West Bay Lagoon, Doha, Qatar
 #AFCS2016



ARAB FUTURE CITIES SUMMIT QATAR 2016

11-12 APRIL 2016
 THE RITZ-CARLTON - DOHA - QATAR
 LEADING SMART CITIES EVENT IN THE MIDDLE EAST



La créativité française pour la ville





ARAB FUTURE CITIES SUMMIT QATAR 2016
Lounge Exhibitor
Sustainable cities and climate change



ARAB FUTURE CITIES SUMMIT QATAR 2016

**Under the High Patronage of Ministry of Municipality and Environment
Qatar. The summit will take place on 11th and 12th April 2016 at The Ritz-
Carlton, Doha.**

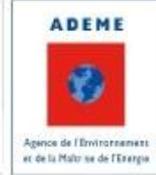
<http://www.arabfuturecities.com/>

**ADEQUATEC, an active player in
COP 21 Paris from 2 to 11 December 2015
Club ADEME International booth
Exhibiter at "Galerie des solutions"**

http://www.vivapolis-climat.com/en/realisations/russie_deshydratationstep

ÉDITION 2010

Prix Entreprises & Environnement



2012



European Business
Awards for the
Environment

ADEQUAPRESS® LOW POWER LOW RUNNING COST BIOSOLIDS DEWATERING INNOVATIVE SCREW PRESS



Parc Technocéan - 1, rue Jean Torlais 17000 **La Rochelle** - France

Tél : +33(0) 9 67 46 70 04 - Fax: +33(0) 5 46 28 77 60

contact@adequatec.com

ADEQUATEC sustainable growth vision

Decided to act for sustainable growth and to reduce our impact on climate, ADEQUATEC is committed to promote responsible engineering and custom-design solutions:

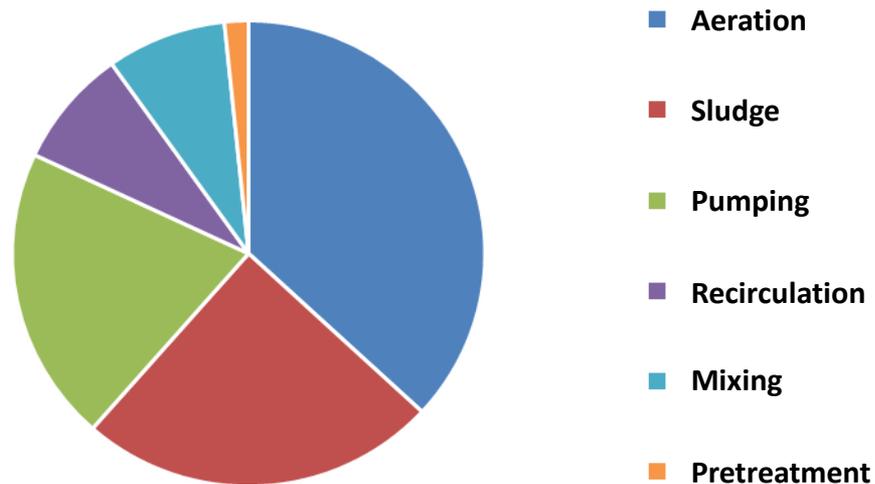
- **Custom-design engineering**
 - Custom-designed solutions rather than preconceived solution
 - Reuse existing resources and facilities and use reusable materials
- **Negawat concept (The best way to squeeze energy cost is to save it!)**
 - Avoid unnecessary energy expenditures
 - Design with sober technologies and energy saving systems
- **Optimized operating balance**
 - Search and implement solutions with low operating costs (Reduce consumables...)
 - Plan preventive maintenance rather than curative maintenance
 - Free operators from routine actions that can be automated
- **Low Carbon footprint**
 - Choose supplies and materials with low carbon footprint
 - Reduce transport
 - Use local renewable energy sources (Solar, Wind, Hydraulic, Biomass...)

SWINGPRESS: Low power dewatering

ADEQUATEC has patented a highly energy efficient disk-drum screw press with high filtration performance that ensures **95% capture rate**. Compact, without odors or noise or vibration, the SWINGPRESS requires only **6 kilowatts of installed power** per ton of dewatered solids while Centrifuge Decanters, the commonly used technology, requires **over 250 kilowatts of installed power**. It was designed to meet the needs of **very large WWTPs** with the lowest possible operating cost. The SWINGPRESS enables customers not only to save money and reduce their carbon footprint, but also to use renewable energies (PV, wind ...) to provide its needed low power. They can achieve up to **25% savings on power consumption** of their water treatment plant.

Dewatering is a high energy WWT step

Sludge dehydration represents in average 25% of WWTP electric consumption



Decomposition of the power consumption of a WWTP 35000 PE

SWINGPRESS carbon free dewatering workshop



- SWINGPRESS makes it possible to divide the power consumption by 20 compared to a centrifuge decanters (the most widespread technology)
- With such a low power consumption, the use of renewable energies (solar, wind ...) becomes possible.
- Therefore, the dewatering unit no longer emits carbon.