SLUDGE DEWATERING SYSTEMS



DESIGN | EQUIPMENT SUPPLY | INSTALLATION | COMMISSIONING | TRAINING | MAINTENANCE

www.aquadp.ro

Aqua D&P Technologies

BENEFITS OF SLUDGE DEWATERING

Sludge dewatering is the next step in wastewater treatment.
Because of the high cost of transport and incineration for the wet sludge, dewatering is always a reliable and cost-efficient solution.
Dewatered sludge can be easily stored or incinerated at a much lower cost.
We are able to provide a customized solution for any application. Our systems use equipment from top manufacturers.
Design and customization is made entirely by our company, relying on our engineers with more than 30 years of experience.

1. COST SAVINGS
2. INCREASED PRODUCTIVITY
3. ENVIRONMENTALLY FRIENDLY
4. BETTER TIME MANAGEMENT
5. ENERGY EFFICIENT
6. LOWER STORAGE AND TRASPORTATION



EXPERTISE

No matter if your business is a pig slaughterhouse, a dairy or a pulp and paper plant, we are confident that we can supply a tailor made solution that will efficiently dewater your sludge.

FOOD INDUSTRY

MEAT PROCESSING
DAIRY INDUSTRY
EDIBLE OIL
FARMING
FRUIT AND VEGETABLE PROCESSING
(NON)-ALCOHOLIC BEVERAGES
BAKERY
RENDERING
READY MEAL AND SNACKS
CHOCOLATE AND SWEETS
SUGAR PRODUCTION

OTHER INDUSTRIES

PULP AND PAPER
METALLURGY
RECYCLING
FUEL AND OIL
AUTOMOTIVE
(PETRO) CHEMICAL
TEXTILE
PHARMACEUTICAL
TANNERY
MINING
MUNICIPAL WASTEWATER

DEWATERING EQUIPMENT

Our engineers will choose the suitable equipment for your type of sludge, in order to obtain best results whilst keeping the investment and operational cost at an affordable level.



BELT PRESS



DECANTER CENTRIFUGE



BAG FILTER



FIILTERPRESS



SCREW THICKENER



VOLUTE ™ PRESS & THICKENER

ADDITIONAL EQUIPMENT

We provide complete and customized dewatering systems. In addition to the main dewatering equipment we use several equipment in order to have a smooth operation and to enhance performance.

Polymer Preparation & Dosing

For achieving high dewatering rates, an automatic polymer preparation and dosing system is used.
The unit can operate with powder or liquid polymer.



Sludge Pumps

Different types of pumps are used to transport the sludge to the intermediary tank and to the dewatering equipment.



Conveyors

Screw conveyors and elevators have the role to move the dewatered sludge towards transport containers, drying beds or to further processing equipment.



Inline Static & Dynamic Mixers

Before actual dewatering, the sludge is mixed with polymer and sometimes with other chemicals in a special mixing device. The purpose of this operatin is to obtain a homogenous mixture for better dewatering performance.



Sludge Tanks

Our glass lined steel tanks are especially designed for sludge and wastewater.
They come in various sizes and they are an excellent alternative to traditional concrete tanks.



Sludge mixing systems

We use a combination of mixers and aeration systems to prevent the sludge from settling and to maintain a constant operation.



Incinerators

A wide range of incinerators is available to further treat the dewatered sludge.
We provide also custom equipment, based on the customer demands.



Heat Exchangers

The energy used in the incineration process can be recovered using high performance heat exchangers. Hot exhaust gases are used to produce hot water that can be used for heating, cleaning or other processes.



AQUA D&P TECHNOLOGIES S.R.L
Snagov 1/24, Cluj-Napoca,
400420, Romania
www.aquadp.ro
contact@aquadp.ro
[redacted]