

Dehydris™ Osmo

ADVANCED SLUDGE DEWATERING
BY ELECTRO-OSMOSIS



BIOSOLIDS

REDUCE THE QUANTITY OF DEWATERED
SLUDGE USING ELECTRO-OSMOSIS



ECONOMICAL

No mineral conditioning
and low reagent needs



PERFORMANCE

Exceptional increase in
sludge dryness

suez
environnement

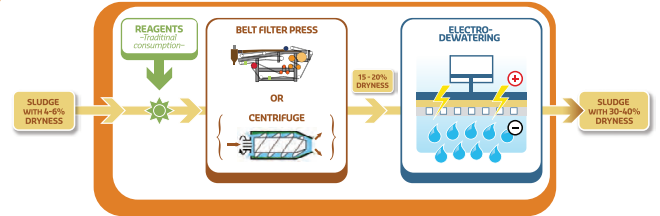
Degrémont

INNOVATION

A PROCESS THAT COMBINES MECHANICAL AND ELECTRICAL ACTION:
HIGH PERFORMANCE IN SLUDGE DRYNESS AND REAGENT ECONOMY.

Dehydris™
Osmo

BIOSOLIDS



Dehydris™ Osmo is part of Degrémont's full range of dewatering solutions. This advanced sludge dewatering unit by electro-osmosis can be employed on facilities ranging from 10,000 to 300,000 PE.

KEY FIGURE:

15

Up to 15 points gained in dryness compared to conventional dewatering.

Dehydris™ Osmo TECHNOLOGY...

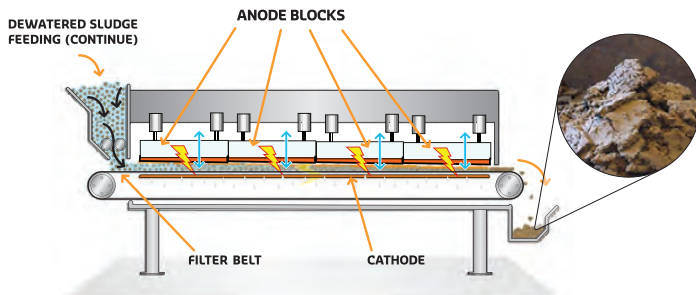
The Dehydris™ Osmo is a dewatering unit utilizing electro-osmosis, and can dehydrate several types of sludge: sludge from urban wastewater treatment, biological sludge from the treatment of industrial waters, and hydroxide sludge from drinking water.

Performance in 3 phases:

1. The sludge conditioning phase
2. The dewatering phase
3. The electro-dewatering phase that combines electro-osmosis mechanical pressure applied to the sludge.

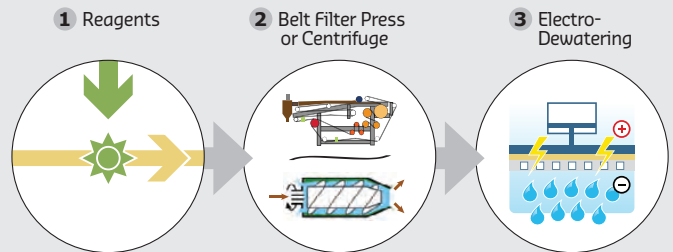
It is this last phase that gives the sludge its high level of dryness.

The electro-dewatering process is supplied by EIMCO WT, the market reference in the field. Electro-osmosis, by continuous current, drains surrounding water molecules by fluid viscosity.



...WHAT IT CAN DO FOR YOU

- + PERFORMANCE:**
 - Important augmentation in dryness from 10 to 15 points compared to a conventional mechanical dewatering
- + SIMPLICITY AND ECONOMY:**
 - No mineral processing
 - Less sludge to evacuate
- + QUALITY ACHIEVED:**
 - Sanitized sludge
 - Odors are controlled
 - Optimization of downstream treatments and evacuation systems



Degrémont

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