

Mobile Treatment Plant

for Sludge Dewatering



Reduce your Sludge



Pre-Thickened Sludge



Dry Cake



Outlet of Belt Press

MENA-Water - Sludge Handling Plant

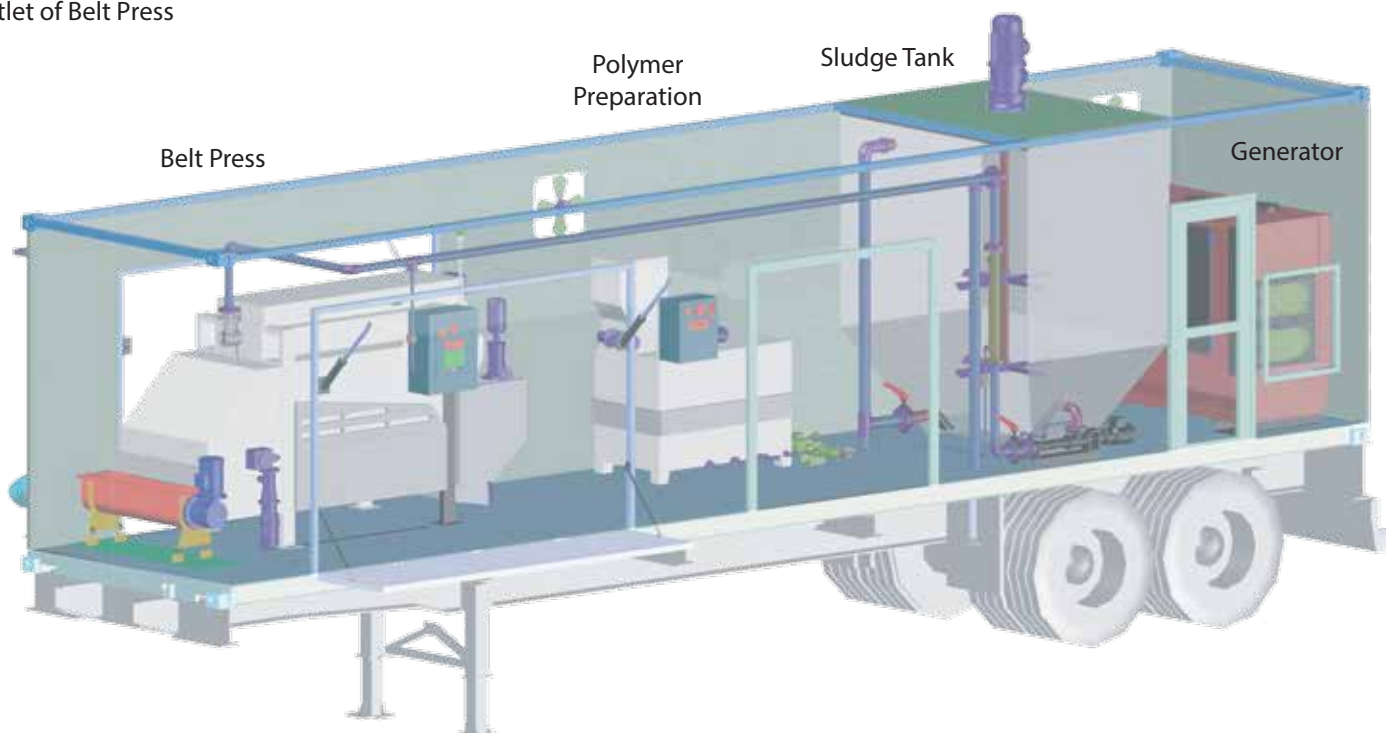
MENA-Water is manufacturer of containerized plants for sludge handling. For every case of application, we offer a solution ready to use mobile or stationary. All process equipment is arranged inside one 40 feet standard container. This enables us to achieve very short realization time. You will get reliable and tested plants and only need plug and play at site. For best performance we use the belt press with pre-thickener completed with polymer preparation, mixer, tanks, pumps included cabling and piping, everything pre-installed.

BELT PRESS

Sludge is pumped, stored and polymer is prepared, dosed and mixed to the sludge flow towards the dewatering machine. Upstream there is the screw pre-thickener which performs the initial solid/liquid separation stage, taking sludge solids concentration from 0.5 - 3% up to 5 - 15 %.

The discharged sludge cake can reach dry solid contents variable between 18 to 30% depending on the type of sludge.

The dewatering in the following belt press occurs firstly in the low pressure zone, then in the wedge zone and finally in the high pressure zone where the filter cake is compressed between the perforated cylinder cloth and the main cloth.



CAPACITIES

- The belt press will handle sludge flow from 2 to 12 m³ /hour per single unit
- The dry cake will be 18 - 30 % DS due to type of sludge
- High capacities can be achieved through modular arrangement

FEATURES

- Fast delivery and start-up due to the mobile concept
- Quality equipment in stainless steel
- Compact design
- High packing density
- Very good price-performance ratio
- Low maintenance and minimum operation requirements
- Minimum construction work on site and easy to relocate

APPLICATIONS

MENA-Water offers tailor-made containers to treat sludge from different applications.

- Municipal sludge
- Industrial sludge
- For mixed fiber, biological and chemical sludge



Polymer Preparation



Belt Press with Control

SLUDGE PUMPS

Sludge pumps can handle nearly every media from liquid to slow moving media, up to materials including solids.



Sludge Pump

DRY BAG

For small applications we offer this system using drying bags. The very small footprint of the plant allows best placement.

The package plant is completely automatic, with all functions, including sludge conditioning, bag filling and draining cycles, controlled by an integral control panel. The automatic filled bags also act as strong containers for transport of the dehydrated sludge to the disposal point.



Dry Bag



Drying Bag Container

MENA WATER

OUR AIM - YOUR CONFIDENCE



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