



Storage & discharge  
of centrifuged sludge

**MESMEC**

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SLUDGE  
SILOS

# Turnkey deliveries on demand



## FEATURES:

- Low cost of ownership
- Sludge discharge as FIFO
- Easy to operate by Siemens touch panel
- Robust and well proven technology
- Tailor made solutions upon request
- Turnkey deliveries
- Warranty 24 months as standard

## Mesmec Sludge Silos

Mesmec has over 25 years of experience from storage and discharge of centrifuged sludge. The company, founded in 1989 has its head office and manufacturing site in Kokkola, Finland.

Silos ranging from diameter 3.000 mm to 7.000 mm can be offered as standard with volumes from 20m<sup>3</sup> even up to about 500m<sup>3</sup>. The unique sliding frame technology developed by Mesmec, is a well proven method of discharging centrifuged sludge with DS up to even 32%.

The sliding frame combined with a robust and speed controllable screw conveyor in Mesmec sludge silos, ensures that sludge is discharged as first-in-first-out (FIFO) with a capacity of up to 100 m<sup>3</sup>/h. Both sliding frame and the bottom gate is controlled by

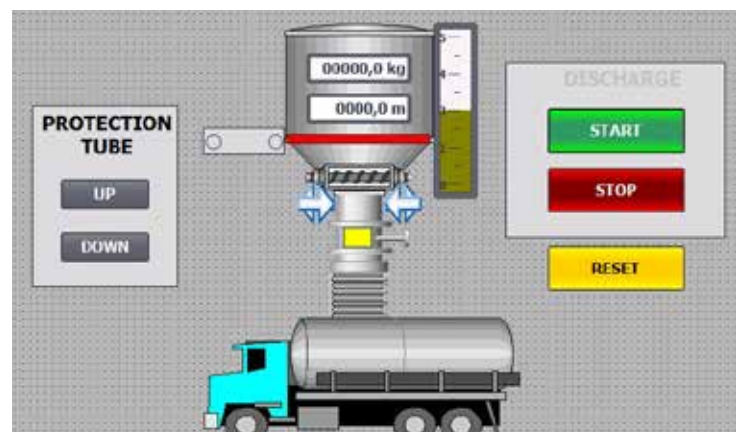
a hydraulic unit. In case of a electrical failure, the gate is automatically closed by a UPS battery. A main electrical cabinet and a local control panel comes as standard. The whole operation is easy to control with a Siemens CPU touch screen. Several different interfaces can be offered such as Profinet, Profibus or Ethernet, thus giving the possibility to follow the process from the control room. The surface treatment combined with the robust well proven technology ensures that a Mesmec sludge silo system will last for decades. A warranty of 24 months is offered as standard.

The inhouse knowhow, starting from mechanical and electrical design, strength calculation, manufacturing & testing, as well as transport, installation and commissioning is fully controllable and offered by Mesmec. Service contracts is offered up.



A Mesmec sludge silo can be equipped with a number of options like:

- Load cells and / or surface level indicator
- Telescope pipe under the bottom gate
- Isolation of the complete silo
- Service platforms
- Frame support and beams
- Different way of filling
- Service contracts
- etc.





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