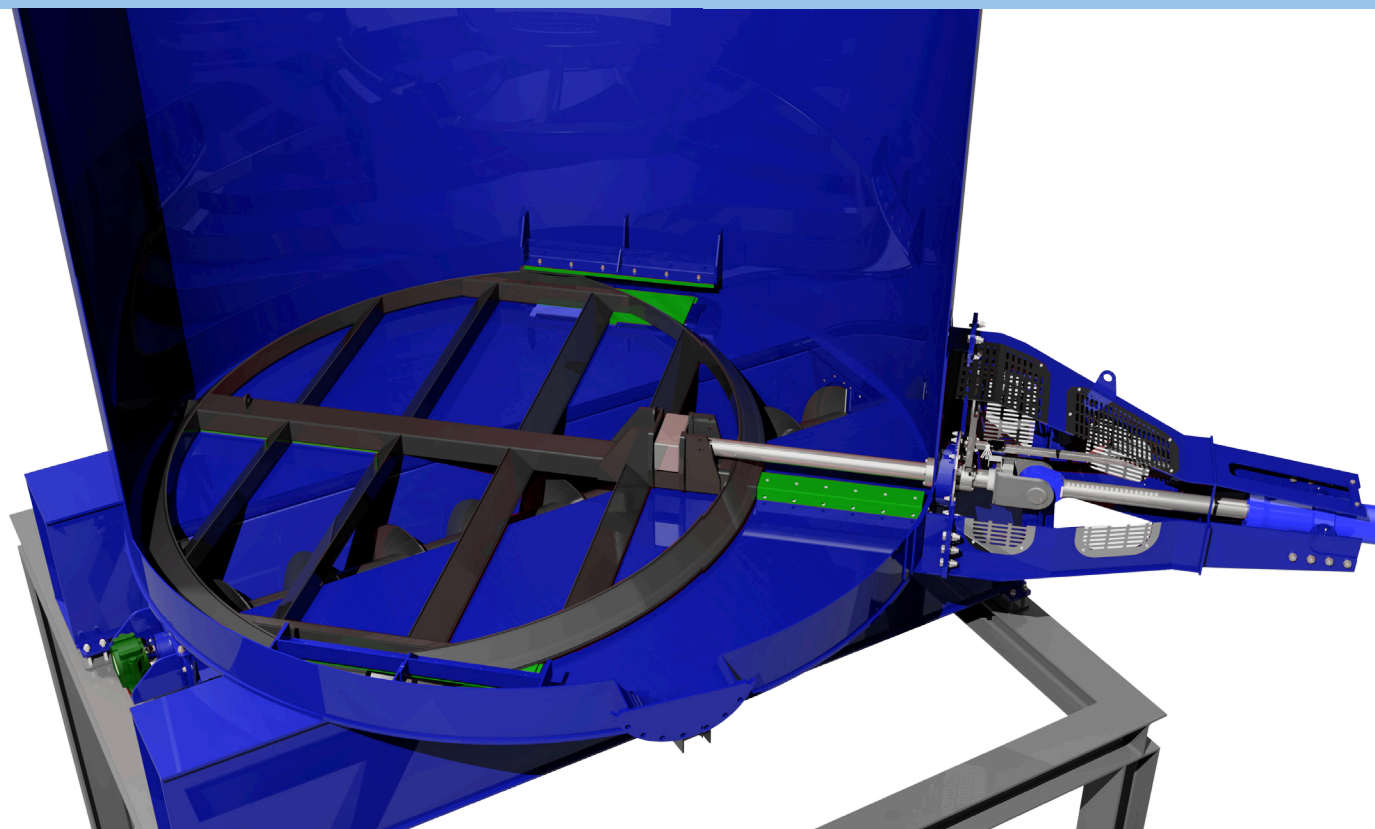




FINMATEC



**PROVEN TECHNOLOGY FOR
WASTE WATER TREATMENT PLANTS**
Storage and efficient discharge of centrifuged sludge



FINMATEC SLUDGE SILOS

Silos ranging from diameter 3.500 mm to 5.000 mm can be offered as standard with volumes from 50 m³ even up to about 400 m³.

Other sizes offered upon request. The unique sliding frame technology developed by Finmatec, 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 Finmatec sludge silos, ensures that sludge is discharged as first-in-first-out (FIFO) with a capacity of up to 100 m³/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 option.

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 Finmatec 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 controlled and offered by Finmatec. Service contracts is offered upon request.

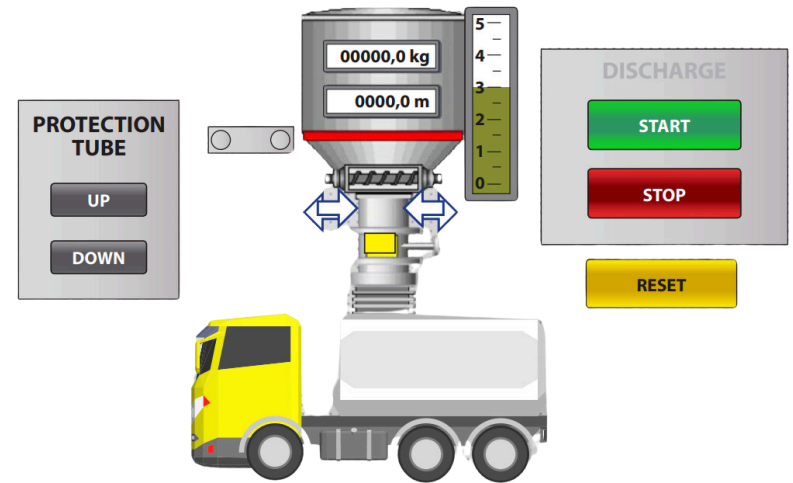


Controlled discharge by use of telescope pipelines

Standard specifications

Technical data	S350	S400	S450	S500
Volume (m³)	50-180	50-240	50-300	50-400
Diameter (mm)	3500	4000	4500	5000
Height (m)*	5,0-19,5	4,5-20,0	3,5-20,0	3,0-21,5
Material	Fe	Fe	Fe	Fe
Material AISI304 / AISI316	option	option	option	option
DS (%)	15-32	15-32	15-32	15-32
Discharge capacity (m³/h)**	Up to 100	Up to 100	Up to 100	Up to 100
Screw conveyor (kW)	11	11	11	11
Hydraulic power unit (kW)	11	11	15	15

* Depending on volume ** Depending on DS (%) and speed control of screw conveyor










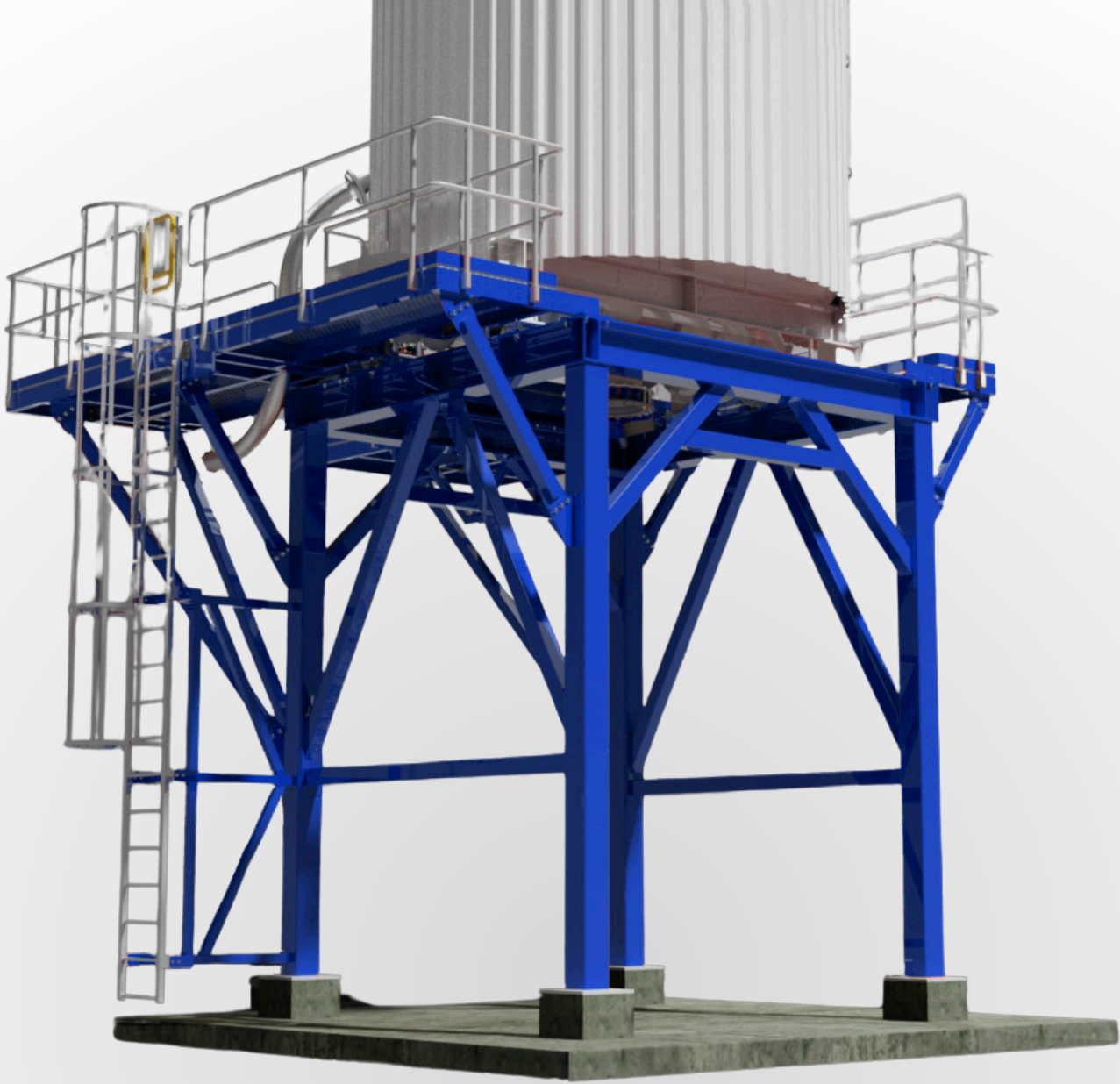
Siemens touch screen application

Available options:

- 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.

Features

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



Finmatec has over 30 years of experience in designing and manufacturing equipment for Waste Water Treatment Plants. Over 40 projects have been installed in mainly Scandinavia, Estonia and Brazil. Thanks to the long experience and great know-how in designing and manufacturing tailor-made equipment for storage and discharge of centrifuged sludge, the solutions from Finmatec is today recognized as the most advanced systems on the market.

The working principle of the Push Floor Discharger in combination with an efficient Screw Conveyor, is what sets us apart from similar systems being offered on the market.

Finmatec offers the whole range starting from design and manufacturing, including Automation and PLC as well as installation, commissioning, technical support and after sales services.



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