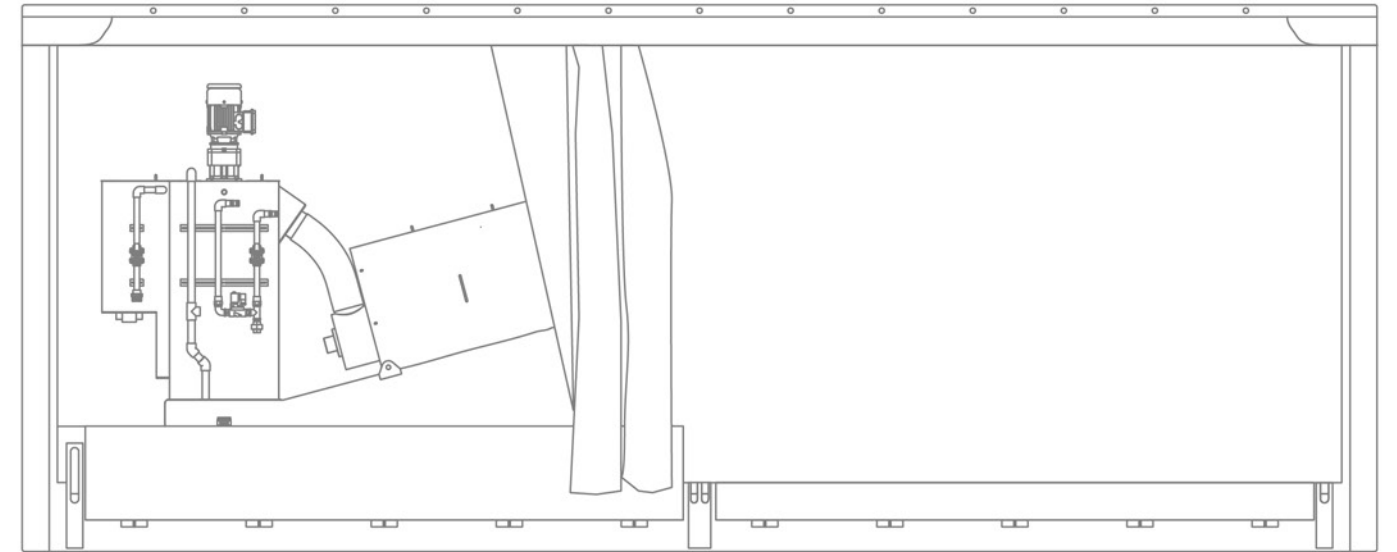




Mobile Dewatering Rental

**THE
GREEN
WAY**



MOBILE UNIT SERVICE

mobile units rental equipment

SCAE Srl meets the customers' needs providing a single or more equipments for a fixed period of time (e.g. a week, a month, a year)



MUS

MOBILE UNITS

SCAE is delighted to offer to the customers its Know-how and its decades' experience in the field of wastewater providing its best **rental solutions** and all the services related, both for short and long periods of time.



The MOBILE plants SCAE RENT are made up of by **first-class machinery** giving the system the highest degree of functionality and reliability.

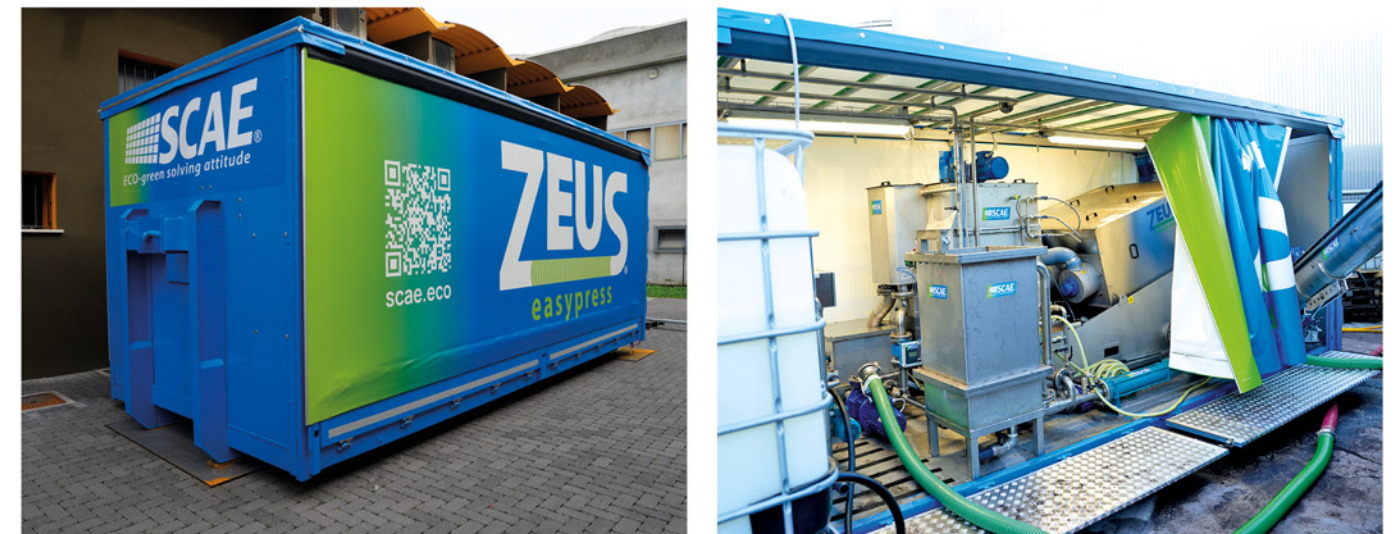
- ZEUS EASY PRESS – production capacity adapted to customer needs
- Sludge pump
- Polymer Automatic Preparation Unit
- Polymer solution pump
- Flow meter for sludge
- Flow meter for polymer
- Screw conveyor system for the management of the dehydrated part



Sludge dehydration is nowadays one of the biggest priorities for those who own or oversee a sludge treatment plant. The dehydration process, necessary to significantly reduce the volume of the wastewater to be managed, is now more essential than ever in order to reduce business costs and optimize sewage treatment.



SCAE Srl, thanks to its mobile plants **Plug&Play** equipped with the latest technology in the field of sludge separation in terms of performance and low running cost, that is the **ZEUS Easy Press**, can provide fast and efficient support to all those customers who do not have a dehydration plant or those who are passing through a plant downtime.





The **sludge** is extracted directly from the tank or from the sludge thickener, conditioned with suitable **polymer** and separated silently and efficiently.



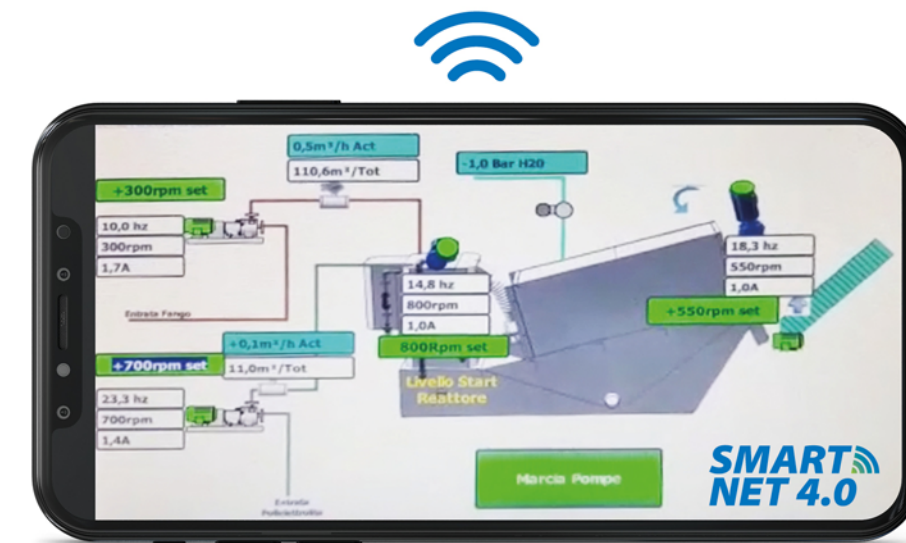
The **solid dehydrated part** is brought by the conveyors system directly to the bins provided by the client, while the **liquid part** is sent to the discharge drain.

RELATED SERVICES

The **technicians' professionalism** of SCAE is provided along all the steps of the renting time in order to assure excellent results in every context of application.

- on-site inspection and evaluation of the client's needs
- analysis of the sludge to be treated in the lab and consequent choice of the most proper polymer
- delivery and collection of the mobile unit
- positioning, connection and subsequent arrangement of the installation on the worksite
- personnel training
- quick answer in case of any intervention by a specialist technician

The SCAE RENT division Mobile Units are fully automated and are remotely managed by the **SCAE SMART NET 4.0** Remote control system.

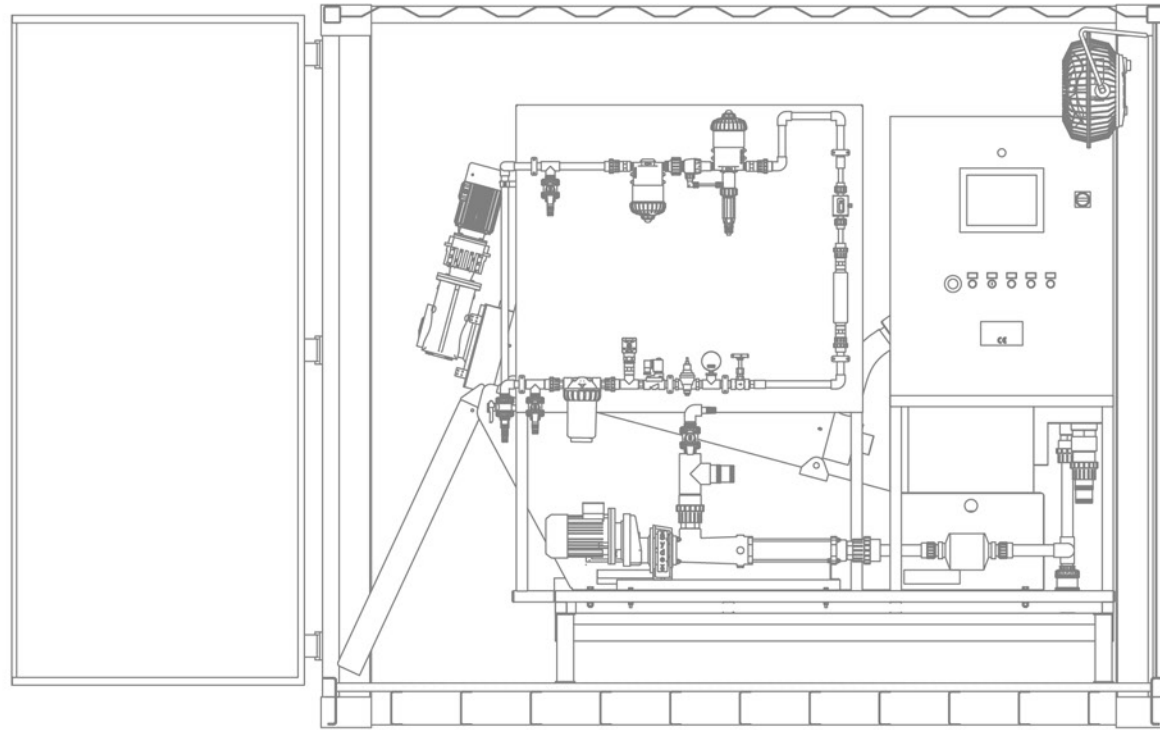


The SCAE RENT also provides, on request, the full-time presence of the **rent service processing specialist** operator.



ASSISTANCE
AND MONITORING
DURING
THE RENTAL TIME.





SKID COMPACT MOBILE

Zeus Dehydration Unit of biological sludge

SCAE can provide sludge dehydration with a **mobile unit set up on a skid-compact** complete with all the pieces of equipment in order to combine modern technology with a considerable and efficient capacity for product treatment.

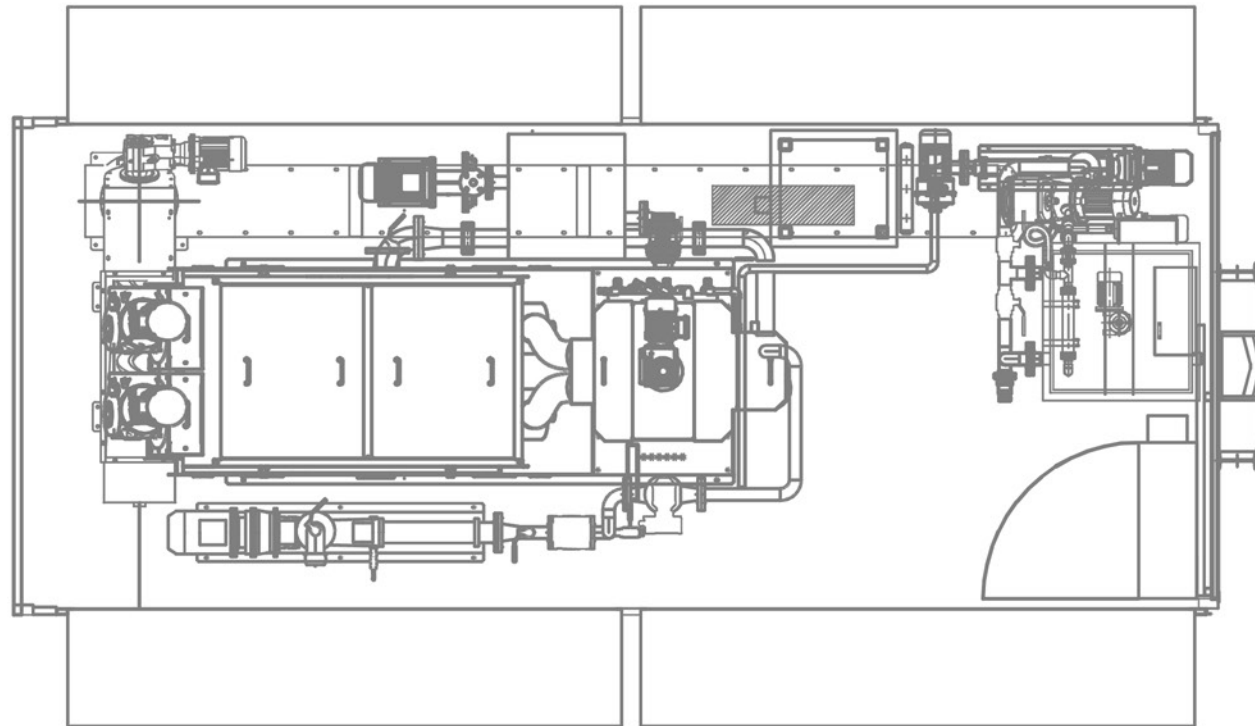
COMPACT402

MOBILE UNIT SET UP ON SKID-COMPACT FOR SLUDGE DEHYDRATION

This Unit is made up of a Stainless Steel AISI 304 frame with dimensions 2000x1300 mm, with a whole **dehydration unit** complete of:

- no. 1 SCAE ZEUS 402 Easy Press complete with flocculation tank; all utilities are connected to a VFD;
- no. 1 SYDEX progressing cavity pump for product feeding connected to a VFD;
- no. 1 sludge flow meter;
- no. 1 "Dosatron" system for polymer dosing in the water;
- no. 1 mixer to optimize polymer dissolution in the water;
- no. 1 Polymer in solution flow meter;
- no. 1 pressure transducer for mains water;
- no. 1 electrical panel.





SKID MOBILE

Zeus Dehydration Unit of biological sludge

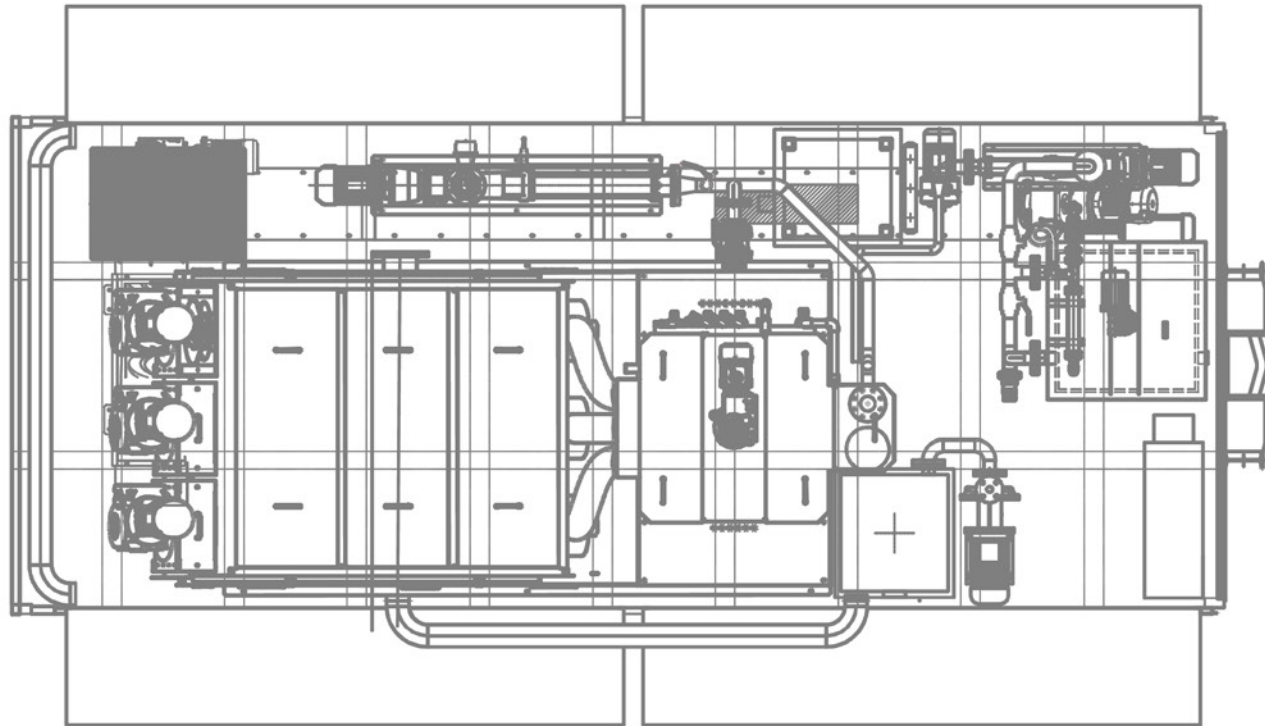
SCAE can provide sludge dehydration with a **mobile unit set up on a skid-compact** complete with all the pieces of equipment in order to combine modern technology with a considerable and efficient capacity for product treatment.

This Unit is made up with a roll-off with curtain side container with dimensions 6.500 x 2.550 mm with a whole **dehydration unit** complete of:

- no. 01 SCAE ZEUS 604 Easy Press complete with flocculation tank; all utilities are connected to a VFD;
- no. 01 SYDEX progressing cavity pump for product feeding connected to a VFD;
- no. 01 SYDEX progressing cavity pump for polymer dosing connected to a VFD;
- no. 01 SCAE Polymer Preparation Unit model PPA 500 TOP connected to a VFD with a production capacity of up to 6000 l/h solution;
- no. 01 Polymer in emulsion flow meter;
- no. 01 sludge flow meter;
- no. 01 Polymer in solution flow meter;
- no. 01 tank for the clarified with a pump;
- no. 01 water tank with water pressurization pump;
- no. 01 air compressor;
- no. 01 mixer DN 80;
- no. 01 pressure transducer of mains water;
- no. 01 pressure transducer of mains air;
- no. 01 solids suspended meter in input;
- no. 02 screw conveyors for dehydrated sludge discharge;
- no. 01 electrical control panel for the mobile unit;
- no. 01 electrical distribution panel.



SKID604



SKID MOBILE

Zeus dehydration unit of biological sludge

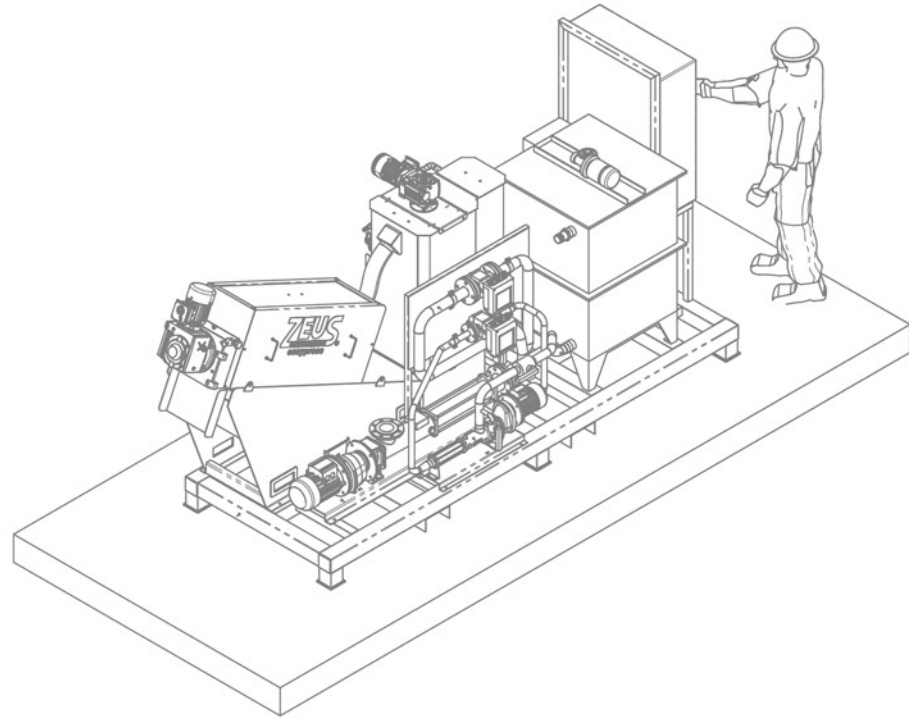
SCAE can provide sludge dehydration with a **mobile unit** complete with all the pieces of equipments in order to combine modern technology with a considerable and efficient capacity for product treatment.

This Unit is made with a roll-off with curtain side container with dimensions 6.500 x 2.550 mm with a whole **dehydration unit** complete of:

- no. 01 SCAE ZEUS 706 Easy Press complete with flocculation tank; all utilities are connected to a VFD;
- no. 01 SYDEX progressing cavity pump for product feeding connected to a VFD;
- no. 01 SYDEX progressing cavity pump for polymer dosing connected to a VFD;
- no. 01 SCAE Polymer Preparation Unit model PPA 500 TOP connected to a VFD with a production capacity of up to 6000 l/h solution;
- no. 01 Polymer in emulsion flow meter;
- no. 01 sludge flow meter;
- no. 01 Polymer in solution flow meter;
- no. 01 tank for the clarified with a pump;
- no. 01 water tank with water pressurization pump;
- no. 01 air compressor;
- no. 01 mixer DN 80;
- no. 01 pressure transducer of mains water;
- no. 01 pressure transducer of mains air;
- no. 01 solids suspended meter in input;
- no. 02 screw conveyors for dehydrated sludge discharge;
- no. 01 electrical control panel for the mobile unit;
- no. 01 electrical distribution panel.



SKID706



COMPACT

Zeus Dynamic Thickening Unit of biological and physico-chemical sludge

SCAE can provide sludge dynamic thickening by using a **compact mobile unit** complete with all the pieces of equipment in order to combine modern technology with a considerable and efficient capacity for product treatment.

C402ID

COMPACT MOBILE UNIT FOR SLUDGE THICKENING

This Unit is made up of a Stainless Steel AISI 304 frame with dimensions 3.400 x 1.200 mm, with a whole **thickening unit** complete with:

- no. 01 SCAE ZEUS 402 ID Easy Press complete with flocculation tank; all utilities are connected to a VFD;
- no. 01 SYDEX progressing cavity pump for product feeding connected to a VFD;
- no. 01 SYDEX progressing cavity pump for polymer solution dosing connected to a VFD;
- no. 01 SCAE Polymer Preparation Unit model PPA 500 TOP connected to a VFD with production capacity of up to 6000 l/h solution;
- no. 01 Polymer in emulsion flow meter;
- no. 01 sludge flow meter;
- no. 01 pressure transducer of mains water;
- no. 01 electrical panel..





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Azienda con sistema di gestione
per la qualità, l'ambiente, la sicurezza
e la salute dei lavoratori, certificato da
TÜV Italia S.r.l. secondo le rispettive
norme ISO 9001, ISO 14001 e ISO 45001.

