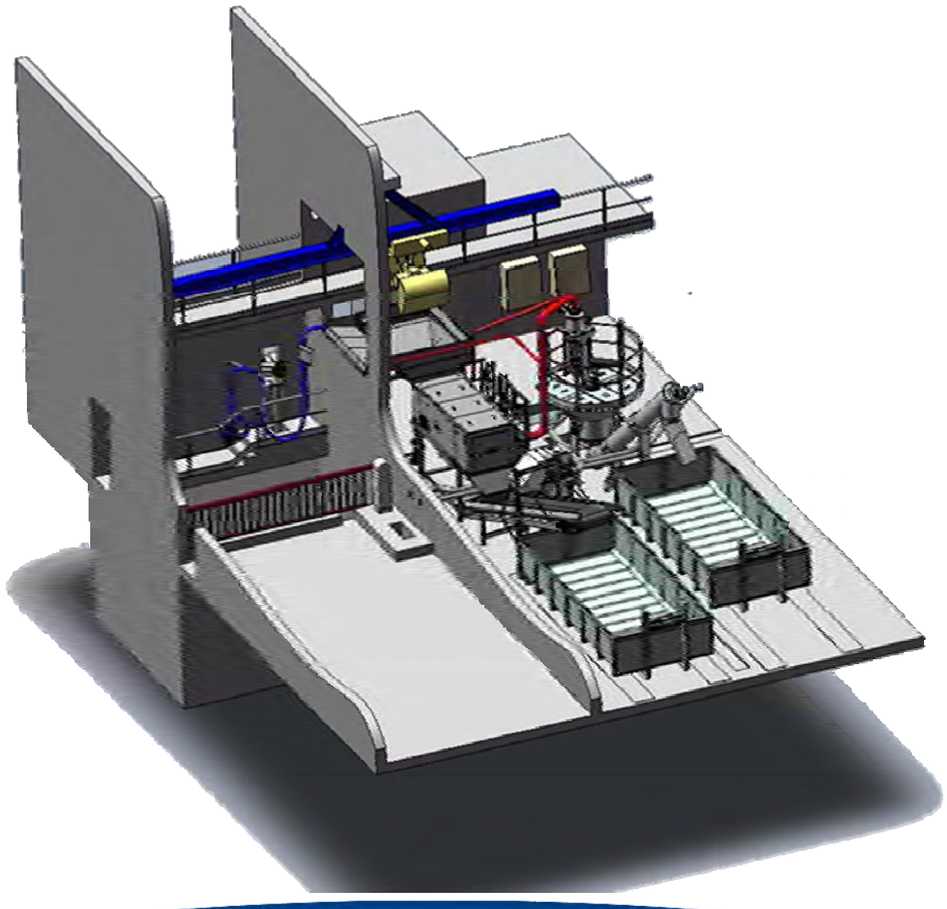
Operating principle

The « sludge gulper » trucks discharge the sewage into a concrete tank. The sewage is collected from this tank by a clamshell type grab or a screw type conveyor.
The sewage flowrate is then regulated to feed the Trommel screening drum.
The washed screenings (> 10mm) are discharged directly or by conveying to a container.
The fine waste (organic matters + sand) are collected by a pump together with the Trommel and are transferred to the sand washer.
The cleaned sands are washed and discharged by a screw conveyor to a container.
The used wahswater, containing fine organic particles, can be screened before being rejected into the classical sewage treatment network.
All equipment size and selection are interlinked according to the required incoming sewage flowrate.

Typical installation



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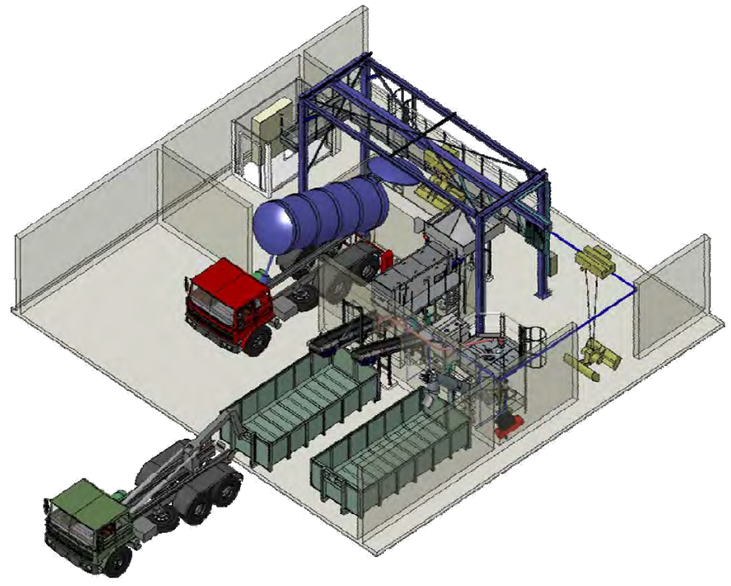
TREATMENT PLANT FOR SEWERS AND SAND WASHING

Receipt, transfer, screening and washing of products from sewers cleaning

The treatment plant is fully automized. This installation is used for solids/liquid separation in the pretreatment phase of the sewage water collected by “sludge gulper” trucks during sewers network cleaning campaign. A typical installation consists of:

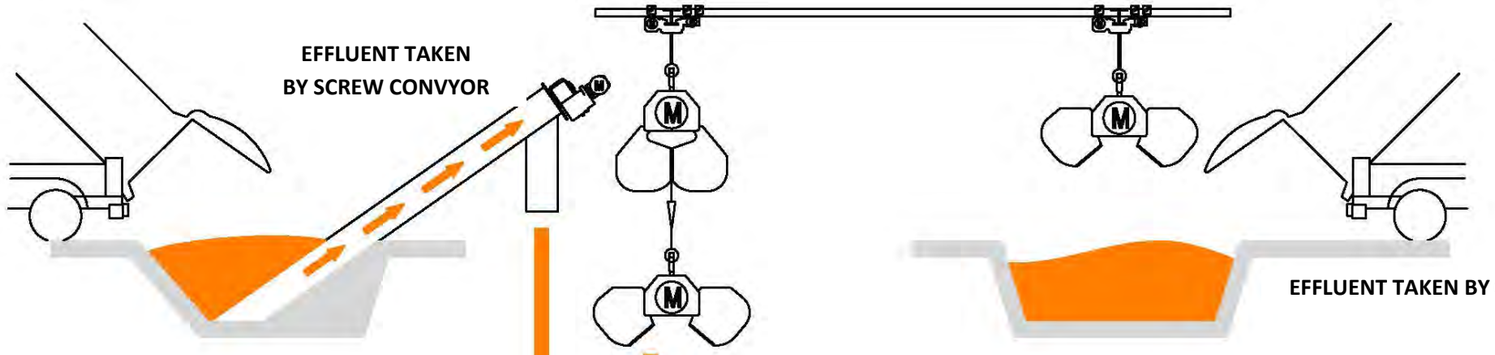
- √ Product receiving by clamshell type grab or screw conveyor
- √ Regulated feed of the sewage
- √ Screening by 10 mm mesh drum TROMMEL
- √ Sand washing < 5 % organic matters
- √ Washwater sieving
- √ Minimum maintenance
- √ Material : stainless steel 304L or 316L



Installations

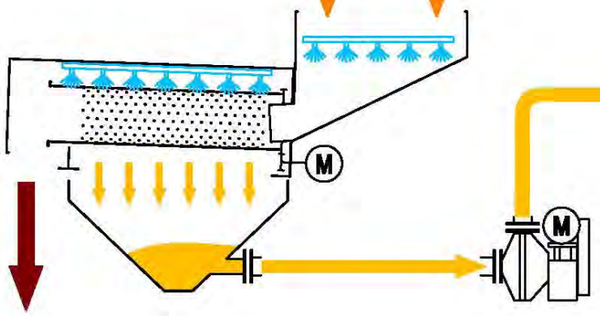
EMO
ENVIRONMENT BY TECHNOLOGY

EFFLUENT TAKEN
BY SCREW CONVYOR

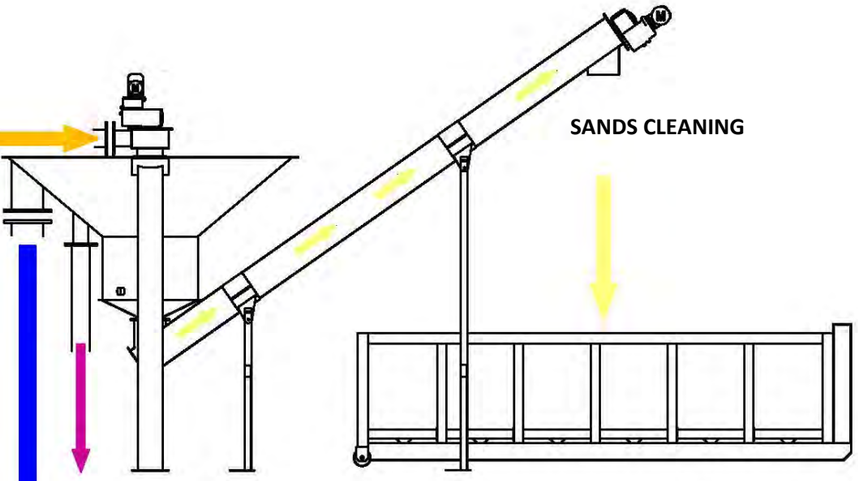


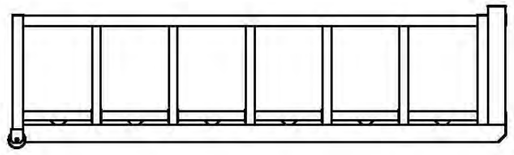
EFFLUENT TAKEN BY GRAP

INLET FEEDING / SIEVING DRUM
« TROMMEL »



SANDS CLEANING





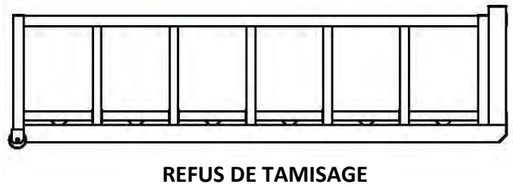
CONTAINER FOR SCREENING FROM
« TROMMEL »

ORGANIC
MATTERS

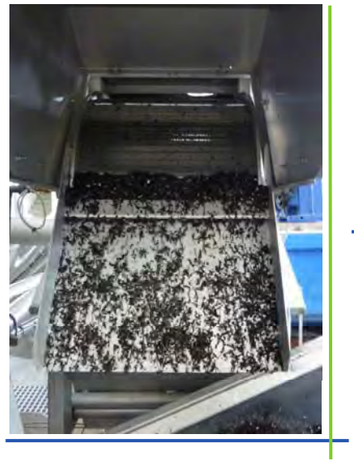
WATER OVERFLOW

EXTERNAL FEEDING
SIEVING DRUM

TREATED WATER TO WWTP
INLET PUMPING STATION



REFUS DE TAMISAGE



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