



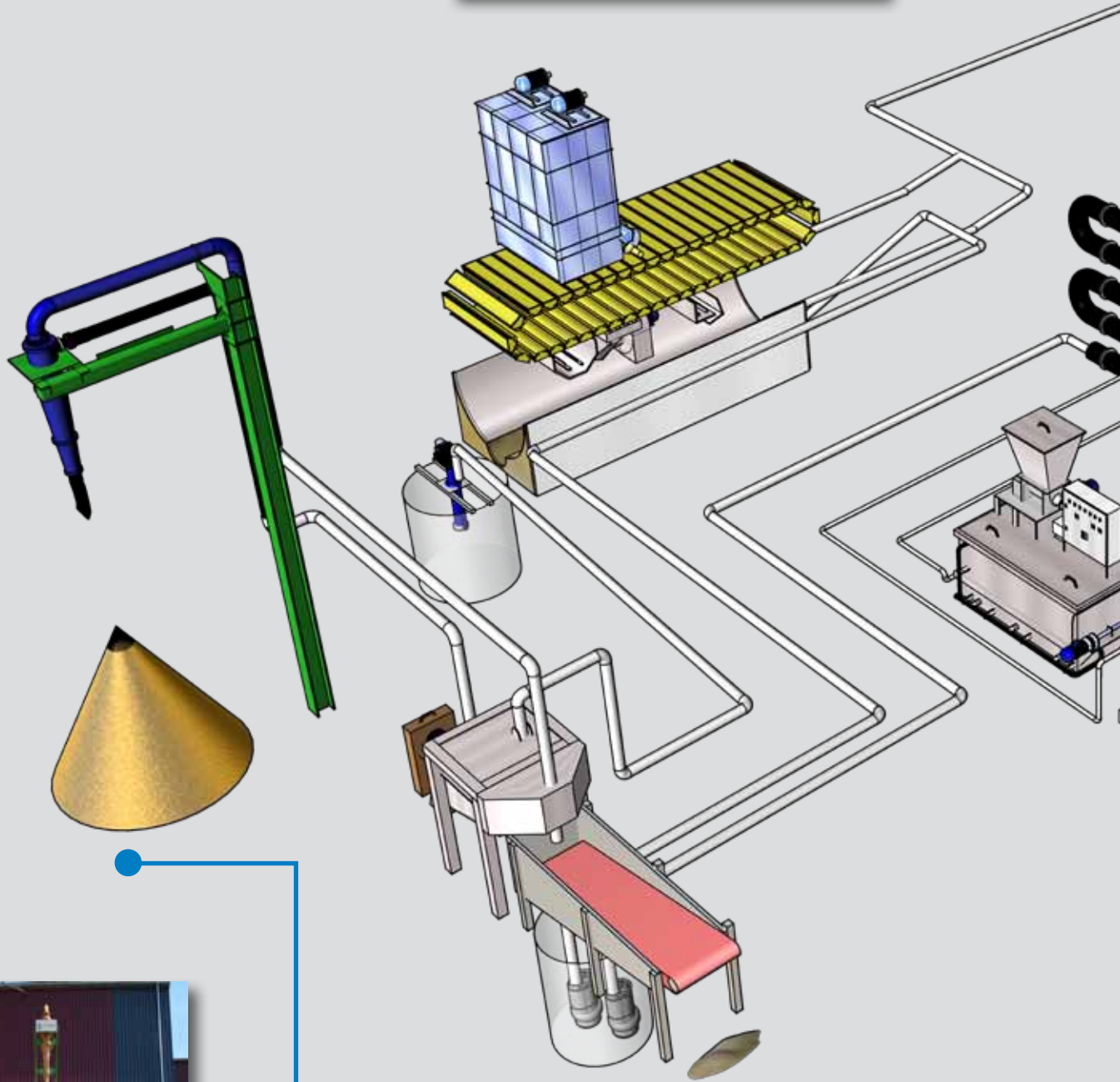
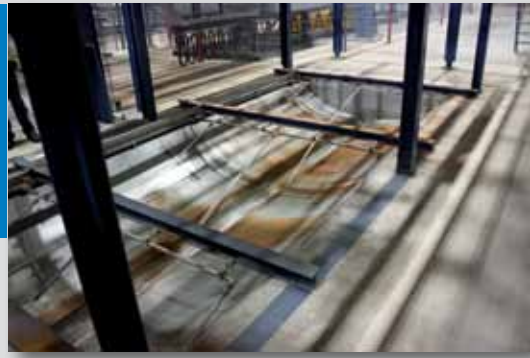
# WATER PURIFYING INSTALLATION



- CAPACITY UP TO 100 M<sup>3</sup>/HOUR
- COMPACT DESIGN
- EFFICIENT OPERATION

## TRANSPORT WATER

A part of the de-sanded water is carried back into the process as transport water. This increases the efficiency of the fines separator



## PRE-SEPARATION

Rinse water is stripped of sand by means of a hydro-cyclone. The sand can be re-used in the process. A circulation pump and pump tray keeps the hydro-cyclone under pressure constantly.

## PUMPS AND HYDRO-CYCLONE

The pumps and hydro-cyclone used are of reputed quality and have proved themselves in the sand extraction industry.



## FINES SEPARATOR

A stirring paddle promotes discharge of sludge underneath the separator.



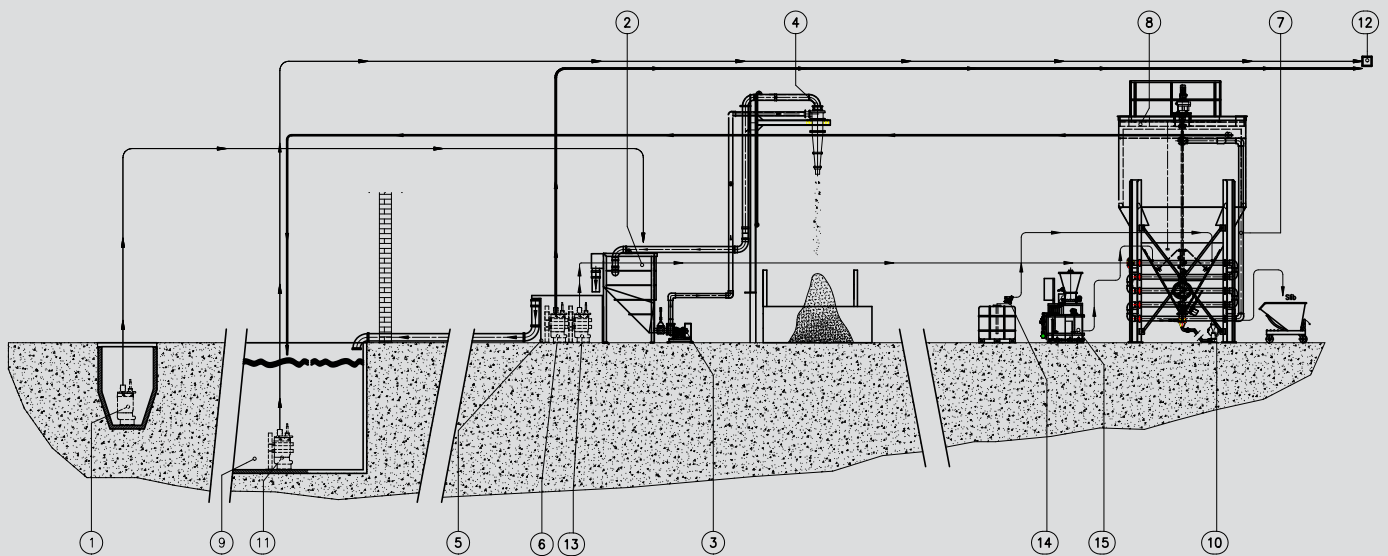
## COAGULATION-FLOCCULATION

Dependant on the pollution degree, flock- and/or settling promoting chemicals, are dosed in to the flocculator. A Jar-Test is carried out to determine which additive is most effective.

## A WASTE WATER TREATMENT INSTALLATION

### OBJECTIVE

- The separation, using a sieve, of coarse particles such as: caps, plastic cable ties, etc. which may cause clogging of pumps and pipes.
- The separation of sand and/or other coarse particles from the process water by means of a hydro-cyclone with pump vessel.
- The treatment of clay water with chemical additives, of which the clay flocks settle. The water can then be reused in the process.



1. Dirty water pump
2. Pump tray
3. Circulation pump hydro-cyclone
4. Hydro-cyclone
5. Process water pit
6. Clay water pump return
7. Flocculator (static mixer)
8. Fines separator
9. Clean water basin
10. Sludge pump
11. Clean water pump
12. Clean water to the press
13. Clay water pump (fines separator)
14. Coagulant dosing installation
15. Flocculant dosing installation