

INITIATIVES CONTRIBUTING TO THE UN SUSTAINABLE DEVELOPMENT GOALS

SAND WASHER

DESCRIPTION

The sand washer can retain 90 % from 0.105 mm of the washed sand, and there will be less than 3 % organic material in the sand when it leaves the sand washer. HedeDanmark, among others, would like to buy the washed sand if it meets the quality requirements for e.g. heavy metals and environmentally hazardous substances. The high sand retention level means that the sand does not affect the rest of the treatment plant. It does not cause wear on the other pumps and will not accumulate in the other tanks around the plant.



INITIATIVES

The sustainable development goals are sorted according to contributions - the one with the highest estimated contribution is on top.



9.4
By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities.



12.2
By 2030, achieve the sustainable management and efficient use of natural resources.

12.5
By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse

12.A
Support developing countries to strengthen their scientific and technological capacity to move towards more sustainable patterns of consumption and production.



17.7
Promote the development, transfer, dissemination and diffusion of environmentally sound technologies to developing countries on favourable terms, including on concessional and preferential terms, as mutually agreed.



6.3
By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally.

STJERNHOLM INITIATIVES

The sandwasher separates and washes sand from sandy items with a lower density than sand, e.g. sewage water, slurry, oil etc. The purification is very sustainable as the sand becomes a resource to be reused.

The organic matter being washed out of the sand can be used for biogas production.

STJERNHOLM INITIATIVES

Sand is a natural resource that can be used several times once it has been washed in the sand washer.

Being able to reuse sand several times is a big step towards being more sustainable.

STJERNHOLM INITIATIVES

The sand washer is an environmentally sound technology to use in operations in developing countries.

STJERNHOLM INITIATIVES

Sand can be reused after having been treated in the sand washer.