

Desah

Decentralised wastewater treatment

Sustainable and circular

Decentralised wastewater treatment

Desah designs, constructs, implements and operates decentralised wastewater treatment systems for domestic wastewater, all of which are modular and flexible.

Desah's wastewater treatment systems are suitable for:

- New and existing neighbourhoods
- Office buildings
- Holiday resorts
- Hotels
- Remote settlements
- Rental companies of mobile toilets

Additionally, the system is applicable in cases where the wastewater treatment plant requires extra capacity.

Our solutions

- Source separated wastewater treatment.
- Containerised, mobile wastewater treatment.
- Black water treatment.
- Operation and maintenance.



Dutch neighbourhood Noorderhoek, Sneek with 207 households

Source separated wastewater treatment

Desah developed a local/decentralized and circular wastewater treatment system which uses source separation and treats black and grey water separately. The big goal of this system is to decrease drinking water usage and reuse water, energy and nutrients. The black water is collected via vacuum toilets and vacuum sewerage (and if necessary also via kitchen shredders) and the grey water is collected via gravity. The two streams are transported separately to a compact local wastewater treatment plant which is located in the neighborhood. There the wastewater streams are treated on an energy efficient way and can be reused or discharged to the surface water.

Containerised mobile wastewater treatment

A mobile solution for wastewater treatment is possible in the form of containers. This robust, easy-to-operate solution is a compact and versatile alternative to traditional treatment plants.

The modular design makes the installation flexible and plug-and-play, ideal for efficiently treating and reusing wastewater.

Black water treatment

Desah also delivers an advanced blackwater treatment system, which consists of a thermophilic digester and modules for nitrogen and phosphate removal.

This system enables the production of biogas, the removal of micro-pollutants, and the recovery of struvite, offering valuable applications in energy production and agriculture, among other fields.

Operation and maintenance

Both preventive and corrective maintenance of the installations can be carried out by us. Our experienced service technicians can handle maintenance and urgent repairs immediately, whenever and wherever they occur.

Replacement parts are easily and quickly available, ensuring the reliability of your installation.



Your advantages

- 30% drinking water savings.
- Relief of the sewer system and central treatment plants.
- Possibilities for water reuse, such as flushing toilets or irrigating gardens.
- Recovery of heat, which can be returned to the environment.
- Recovery and production of fertilizers, suitable for reuse in agriculture.



Desah

Decentralised Wastewater Solutions

Desah is part of Noardling

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Our Water Cycle

From water intake systems to water cooling, from water management to wastewater treatment, hydropower, pumping installations, and award-winning innovations in the field of decentralised wastewater treatment, discover the water cycle here by scanning the QR-code.



Noardling

Futureproof Water Technology

The Noardling company is engaged in Futureproof Water Technology. With more than 250 years of experience in moving and treating of water.

Noardling brands:



Desah

Decentralised Wastewater
Solutions



Hubert

Water Screening
Solutions



Landustrie

Water Treatment
Solutions