DEHOUST



STORAGE & UTILIZATION

Storing liquids Protect drinking water Save energy

Andreas Bichler CEO Dehoust GmbH May 2025



A TRANSPORT

Who we are

Over 65 years of experience and expertise in tank and plant construction

- Established in 1958 with the core focus on tank (steel and plastic) and pressure vessel manufacturing
- Family-owned Mid size SME with ~170 employees
- For more then 25 years focused on decentralized water management systems (rainwater harvesting, grey water recycling and industrial water systems)
- 3 Production sites in Germany (Leimen, Heidenau and Nienburg)
- 1 Service Station in Germany (Eitorf)
- Service Partners and Distributors in 16 countries around the globe



Our product range





Storage Tanks

- From 570 to 4,000 liters, plastic storage tanks offer the ideal solution for almost every application.
- Process water, splash water in swimming pools, industrial wastewater, fire fighting water, cooling water, rainwater and gray water, Ad Blue, lubricating oils and hydraulic oil and concrete admixtures are just a few examples.
- The tanks are quickly and easily connected to tank batteries with the lower connection line. HD-PE is food-safe and chemical-resistant.
- Used HD-PE material is physiologically harmless and the tanks comply with regulations for the usage in potable water, agricultural and industrial areas.



Greywater Recycling



Greywater is wastewater from the bathtub, shower, washbasin, washing machine and sometimes from the kitchen, which is used as hygienically pure process water after treatment with our biological/mechanical processes.

The recycled water (Service water) is used for toilet flushing, washing machines, irrigation, car wash and floor cleaning.

Greywater recycling offers a wide range of applications: from single-family houses to apartment buildings, from hotels and dormitories to sports facilities, fitness centers, laundries and car wash stations.

The reuse of greywater reduces drinking water consumption and subsequent wastewater charges by up to 60%. This dual use of drinking water conserves valuable water reserves and reduces wastewater pollution.

With over 25 years of experience in the treatment and processing of greywater, Dehoust can call itself one of the pioneers in the industry. Our customers benefit from the most efficient technology currently available on the market.



Recycle Greywater for a Greener Future



Greywater Recycling – Heat recovery



Another important benefit of greywater treatment is heat-recovery from process water.

This process not only saves drinking water, but also reuses the heat already generated in an environmentally friendly way.

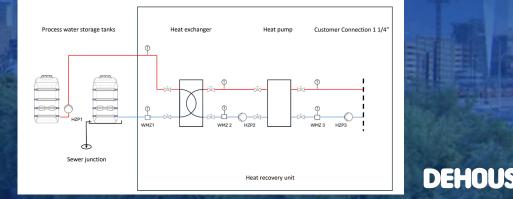
After the treatment process, the heat contained in greywater is extracted from the process water using a highly efficient heat recovery pump and fed into the hot water circuit of the building supply.

Savings on energy costs up to 40% are possible!

GWtec[®] WRG advantages

- Can be used with DEHOUST GWtec[®] and GWtec[®] WBS greywater treatment systems
- Energy-efficient technology
- Fully automatic operation and real-time access to all parameters thanks to integration in the GWtec[®] control system
- Evaluation and provision of relevant operating data
- Modular system concept for individual system configuration depending on project requirements





Digital Services

DEHOUST CONNECT

... means for us that you are in permanent contact with your system and can view the operating status from anywhere.

Benefit from the full scope of services of your Dehoust system. All data communication is optimally protected against unauthorized access and only runs via the company's own DehoustCONNECT server.

- Live monitoring and maintenance as if you were standing in front of the system
- View and change operating parameters to optimize performance
- The history of the system is permanently recorded
- Automatic software updates
- Immediate information in the event of possible faults through alarm messages by email and/or SMS
- Remote diagnosis by our customer service team in the event of problems
- Support during commissioning by customer service with the set parameters

This service is free of charge for you and always keeps you up to date.

Clarity and clarity: interactive visualizations that allow you to identify trends, patterns and anomalies at a glance.





Engineering Services

DEHOUST engineers support customers and planners to design the layout of the Greywater systems to ensure proper fit and to avoid any kind of difficulties during installation, commissioning and operation.

Design programs, energy-, layout-, heat recovery- & ROI calculations and as well supporting documents are available.

DEHOUST	Greywater - Recycling Use Drinking water twice and protect resources	Greywater - Recycling Use Drinking water twice and protect resources	
Feasibility study Watermanager	Planning results Greywater usage	Planning results Greywater usage	
Project: Projectname: Date: Agent:	General Information Hold reliabilitation Gwiter; 340 Project number: Project number: Building type: Residential house Determined proyector yield ¹⁰ & Boour: ¹⁰ Protein: ¹⁰	Grantal Information Project number: Policit number: Duting type: Determined preywater yield 0 & Shour: 0 & S	Greywater treatment with heat recovery
DEHOUST-Greywater-Reuse-System Investment of greywater-reuse-system	Determined processwater requirement S flahas/ferson_0/by 6 Beru/Nubing z 300 lites per day 36 vord 36 flahas/ferson_0/by 3 6 Beru/Nubing = 3100 lites per day 36 vord 3 flahas/ferson_0/by 3 Flahas/ferson_0/by 2 Beru/Nubing = 320 Beru per day 36 vord 32 manufer profession_0/by 4 Beru/Nubing = 320 Beru per day 36 vord 32 manufer profession_0/by 4 Beru/Nubing = 320 Beru per day 36 vord 32 manufer profession_0/by 4 Beru/Nubing = 300 Beru per day 36 vord 35 manufer profession_0/by 4 Beru/Nubing = 300 Beru per day 36 vord 4 Beru/Nubing = 300 Beru per day	Determined processwater requirement 56 hates/Person/Day 6 iter/fulning 15.500 iter.per day 303 w Gottern 56 hates/Person/Day 5 iter/fulning 15.500 iter.per day 30 winder participation 10 iter/winder 10 iter/secon/Day 3 iter/fulning 15.500 iter.per day 30 winder participation 10 iter/secon/Day 3 iter/secon/Day 3 iter/secon/Day 4.500 iter.per day 30 winder participation 200 m ⁻¹ 120 Winder grademiter 4.500 iter.per day 4.500 iter.per day	
General data Potable water price/sewage charge [€/m³] € 0.85 Daily process water demand [m³/d] 1 1 Electricity price [€/kWh] € 0,20 Energy consumption greywater-reuse-system [kWh/m³] 0,8 Maintenance, reparation in % of investment 0,8	*values in dependence on (N 1041-2 and DWA M277 Determined daily treatment performance Tradmot performance Trad	*elves in dependence on EB 1644-3 and DWA M377 Genum 21,729 Ben per day Determined daily transment performance Transmer performance Tra	
Annual operating costs 365 Annual process water demand [m*/a] 365 Annual savings on potable water € 310,25 Energy consumption greywater-reuse-system [kWh/a] 292 Energy costs greywater-reuse-system € 58,40 Maintenance, reparation € - Total annual costs € 58,40	Heat recovery from the process water tank (a big life lower 20 + 3 + 1,10 mk) Could line and on demonstrate equivalent water requirement: Recovery and a management of a specific life life life life life life life life	Dehoust GWtee [®] 640 Heat recovery from the process water tank [14 [2] water 37 × 37 + 1.60 // Gutadatathouse to derive indegradation genes and an 2.70 // Gutadatathouse bes 17 // Gutadatathouse bes 17 // Gutadatathouse bes 17 // Gutadatathouse on 17 // Gutadatathouse o	Whitepaper
Annual saving on potable water price/sewage charge € 251,85 Approximate payback period without further subvention 0	Installation forstion Adv, freshfer er dy untilatel technicil nom mut be provided in the installaten location. Underground starge of annice water exertually in continuation with nanwater is possible.	Instal lation location Any, inclusive of unclude backward soon must be precided to the installation location. Undergrand statege of unrike water eventually is combination with reinvalter is possible.	DEHOUST
Note: For the total cost of the investment, the installation costs you have estimated have to be taken into account.	www.dehoust.de	vvvv.dehoust.de	ENERGY. HEAT. WATER.

Our Partner Network

To ensure providing reliable and quick service for our customers, DEHOUST has build up a service and distributing network in actual 16 countries around the globe with continues expansion

The focus of the Dehoust partner network is the promotion of in-country value. We train our partners' employees in Germany and locally and further support them with ongoing training.

Cooperation with local schools, universities, testing laboratories and authorities is also an important concern for our company.

Dehoust provides opportunities for internships in Germany.



....and much more to come....

One thing can already be revealed at this point - developments at Dehoust are in full swing and in the coming months the range of systems in decentralized water management will be expanded to become a full-service provider.

Further areas of application:

- Black-water
- Brackish-water
- Fresh-water
- Salt-water



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Thank you for your attention!

Andreas Bichler CEO Dehoust GmbH