

# Press Release



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02/25-06

## **International Certifications Strengthen Global Deployment of GWtec**

Dehoust Positions Greywater Technology as  
a Global Solution for Sustainable Water Management

**Water is increasingly becoming a critical resource for modern infrastructure worldwide. Rapid urbanization, growing water scarcity, and stricter sustainability requirements are fundamentally reshaping expectations for buildings and utility systems. Efficient water reuse is rapidly evolving into an international standard. Against this backdrop, Dehoust GmbH has reached a significant milestone by securing three major international certifications for its GWtec greywater treatment system. The system now meets key global requirements for water quality, product safety, and electromagnetic compatibility —enabling deployment in projects worldwide.**

These certifications establish the foundation for using the technology in international construction projects, sustainable urban developments, and water-stressed regions around the globe.

## **Turning Greywater Recycling into Infrastructure**

The sustainable use of water resources is gaining global importance, driving increasing technical requirements for water treatment systems. A large share of daily building water consumption does not require potable water quality. At the same time, pressure is growing worldwide to improve water efficiency and strengthen infrastructure resilience. GWtec, developed by Dehoust in Leimen, Germany, addresses this challenge directly. The system treats greywater from showers, washbasins, and washing machines and safely returns it to the building's water cycle. Operators benefit from reduced potable water consumption, lower operating costs, and a smaller carbon footprint. Greywater recycling therefore evolves from a sustainability concept into an economically viable infrastructure solution. With the newly obtained certifications, Dehoust takes an important step from a European supplier to an internationally deployable technology partner for sustainable water management.

## **Water Quality as the Core Benchmark**

The most significant certification is NSF/ANSI 350 Class C – Laundry & Bathing, awarded by the independent organization NSF International. “This certification represents the gold standard among international approvals,” explains Andreas Bichler, Managing Director of Dehoust. “Confirming that GWtec meets these demanding requirements is a major validation of our technology. Certifications at this level remain rare in the market.”

The certification process evaluates decentralized greywater and wastewater reuse systems under clearly defined and rigorous testing protocols. Over several weeks, the system operates under continuous daily load conditions while laboratory analyses verify compliance with strict chemical and microbiological limits.

The NSF/ANSI 350 standard is internationally recognized as a benchmark for performance and hygiene. In North America, it is often a regulatory requirement and increasingly serves as a global reference for safe non-potable water reuse. The certification therefore represents a key market entry enabler for the United States and other regions with stringent water quality standards.

### **Product Safety Certification for the U.S. Market**

The UL 979 certification, issued by Underwriters Laboratories (UL), confirms the electrical and electrotechnical safety of the GWtec system. This approval is particularly relevant for installations operating within the U.S. electrical grid (60 Hz). UL certification is essential in the United States, where technical systems must undergo independent safety evaluation prior to commissioning.

### **Electromagnetic Compatibility**

The third certification, granted by the Federal Communications Commission (FCC), addresses electromagnetic compatibility of the system's wireless components. It verifies that the installation neither emits harmful interference nor is vulnerable to external electromagnetic disturbances, ensuring reliable operation in complex building environments.

### **Sustainability Becomes a Global Infrastructure Priority**

International investors and project developers increasingly align with globally recognized standards rather than purely regional regulations. Certifications such as NSF, UL, and FCC are widely regarded as benchmarks for quality, safety, and operational reliability. The new approvals therefore represent more than regulatory compliance—they reflect a broader structural shift in infrastructure thinking: water is increasingly managed as a circular resource. With GWtec, Dehoust aims to

make buildings less dependent on potable water resources while combining economic efficiency with environmental performance. The technology's international deployability strengthens the company's position as a provider of future-ready infrastructure solutions at the intersection of building technology, resource efficiency, and climate adaptation.

More information: <https://www.dehoust.com/3981>

approx. 4.800 characters

### **About Dehoust GmbH**

Headquartered in Leimen, Germany, with additional locations in Nienburg, Heidenau, and Eitorf, Dehoust GmbH has been active for nearly 70 years and has played a key role in the development of the heating oil storage market. Today, the company manufactures polyethylene storage systems, including double-wall plastic tanks for liquid fuels and raw materials. Large-volume steel and stainless-steel storage solutions form another core business segment. Dehoust also develops buffer storage systems for heating and cooling applications and continues to expand its operational water management portfolio, including rainwater harvesting, greywater reuse, and potable water separation systems.

## **Captions**

*High-resolution images are available at:*

<https://drive.kommunikation2b.de/d/s/>

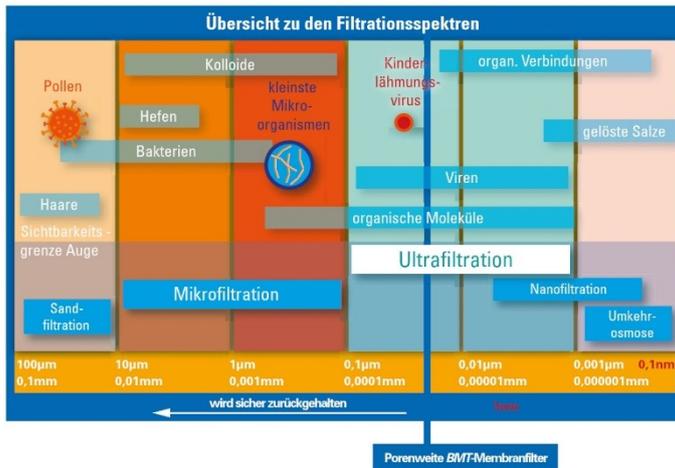
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### **[25-06 GWtec]**

*New approvals for GWtec: Dehoust now has three key certifications.*

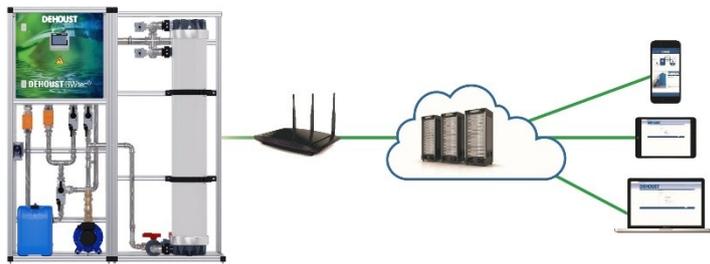
Photo: Dehoust, Leimen



**[25-06 Water quality]**

*The system achieves high water quality through several filtration steps. It meets important certification standards.*

Photo: Dehoust, Leimen



**[25-06 Radio signals]**

*The system is protected against external interference. At the same time, the electromagnetic compatibility of the radio components is tested.*

Photo: Dehoust, Leimen



### [25-06 Approvals]

*The GWtec from Dehoust is certified according to NSF/ANSI 350 Class C, UL 979, and FCC.*

Photo: Dehoust, Leimen

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