

Our Project Service

We support you through the planning and execution phase.

- Concept creation and preliminary pricing
- Dimensioning with Rainplaner software
- Compilation of tenders
- Creation of CAD system-drawings
- Support for exporting companies
- Technical documentation
- Commissioning service
- System monitoring
- INTEWA Wiki, the online knowledge database

We look forward to working with you



Certifications



Rainwater Management



Rainwater and Greywater Use

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With over 20 years experience and the most economic solutions, we are the leading partner for commercial projects.

INTEWA

Measures for Decentralized Infiltration and Retention



Rainwater Retention
Heavy rainfall storage and throttled discharge into pipe networks, when the soil is not suitable for infiltration.



Rainwater Infiltration
Heavy rainfall storage and groundwater recharge at same location.





Rainwater Infiltration

Complete solutions for trench and trough -
trench infiltration



INTEWA Trench Systems

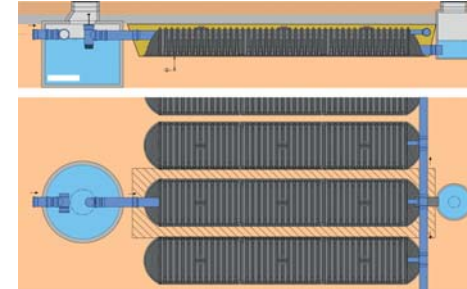
Trench systems are ideal when the surface above the infiltration system should be available for further use (eg. for parking).

Pre-cleaning

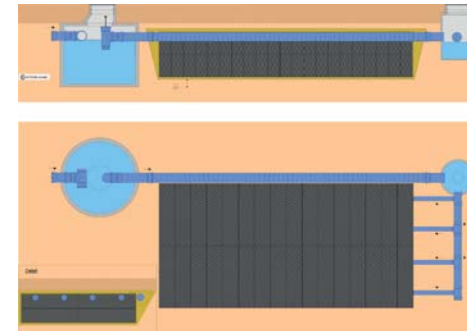
- with a sedimentation / filter shaft

Storage

- in DRAINMAX tunnel

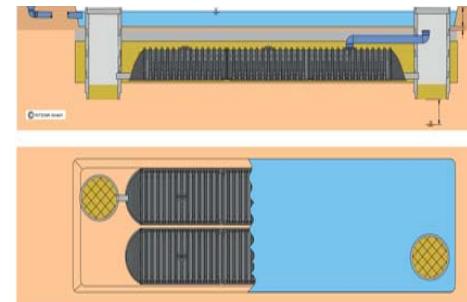


- in DRAINMAX cube for tight spaces



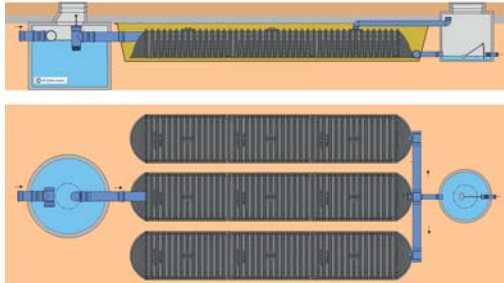
INTEWA Trough-Trench system

The polluted rainwater is cleaned via bio-active soil zone trough and seeps into the underlying trench. Here it is stored short-term and infiltrates.



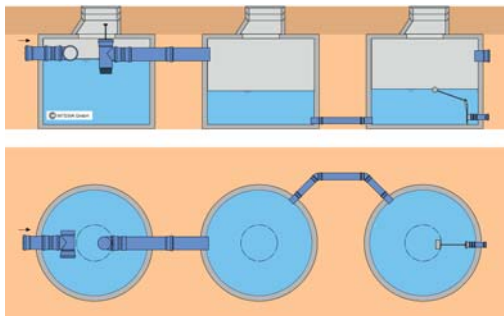
INTEWA Trench Systems

First, the rainwater is purified through a sedimentation / filter shaft. It is then stored short-term underground in the trench and emptied via the throttle outlet. If infiltration at location is allowed, the system remains open at the sides and bottom. Should a closed system be required, the tunnel elements are placed in a layer of EPDM material.



INTEWA Underground Tank Systems

Our underground tank systems boast a compact profile.



Concrete tanks from 2 to 2000 m³

- Circular concrete tanks
- Cast-in-situ concrete tanks
- Concrete frame elements

Fiberglass tanks

- Ideal price / performance ratio from 50 to 150 m³
- Especially suitable for hard-to-reach locations and tight spaces
- No waiting at the construction site



Rainwater Retention

Necessary in case of restrictions into public drainage facilities





DRAINMAX Tunnel Trench

For stormwater management



- Highest load capacity up to SLW60
- Best price per m³



- Flushable bottom
- Low maintenance with sedimentation and filter shafts according to DWA-M-153 (no substrate required!)
- up to 25% smaller system with continuous throttled outlets





Rainwater Harvesting

Replaces Municipal water with soft and free rainwater



Greywater Reuse

Slightly contaminated water from shower, hand basin and washing machine for toilet flushing, irrigation and cleaning purposes



Non-potable Water from Septic Tanks

Recycling of effluent from a septic system for toilet flushing, irrigation and cleaning purposes

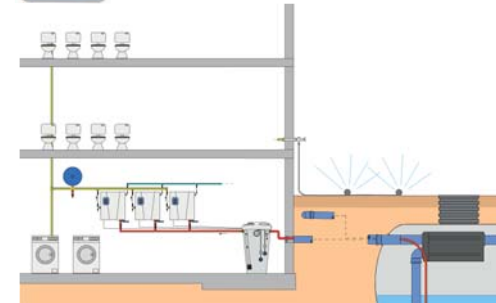


Adiabatic Cooling

With rainwater, 80% of the energy to cool buildings and costs for water softeners can be saved



Rainwater Systems

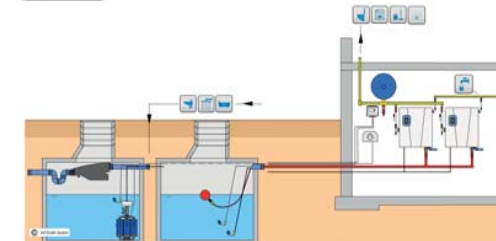


Rainwater is an abundant source for many buildings, which is of high quality and freely available. When used as non-potable water for irrigation, toilets and service water, over 50% of water needs can quickly be saved. Rainwater is lime-free and free of most micro-pollutants.

With appropriate filter technology it can reach potable water quality. INTEWA rainwater systems with PURAIN and RAINMASTER technologies demonstrate the highest quality with minimal maintenance and energy consumption.



Greywater Systems

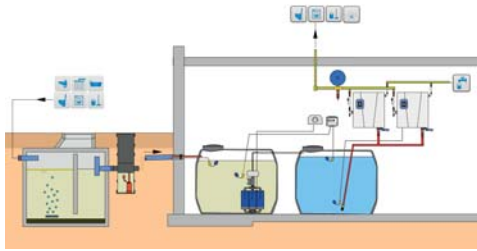


If a large quantity of water is obtained from showers, washing machines or hand basins, greywater reuse systems should be considered.

Potable water and sewage costs are considerably reduced and a medium sized system can be amortized within as little as 10 years. The space requirement for the tanks is small, since the water is obtained daily. INTEWA systems with AQUALOOP technology are the only „NSF-350 Commercial Class C“-certified greywater systems.



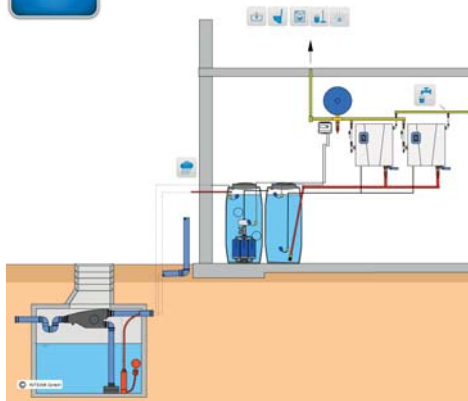
Non-Potable Water from Septic Tanks



With AQUALOOP technology, the clarified water from a septic tank can be purified and used as non-potable water again. The resulting recycle process saves significant water and fees. In the case of sewage storage tanks, the costs for removal of water also can be saved.



Adiabatic Cooling



Adiabatic cooling, or colloquially evaporative cooling, compared to conventional systems can save up to 80% of energy. Since AQUALOOP can use and sterilize lime-free rainwater, reverse osmosis systems can be dispensed with. This saves costs and protects the environment. Perfect for a modern, sustainable construction.

