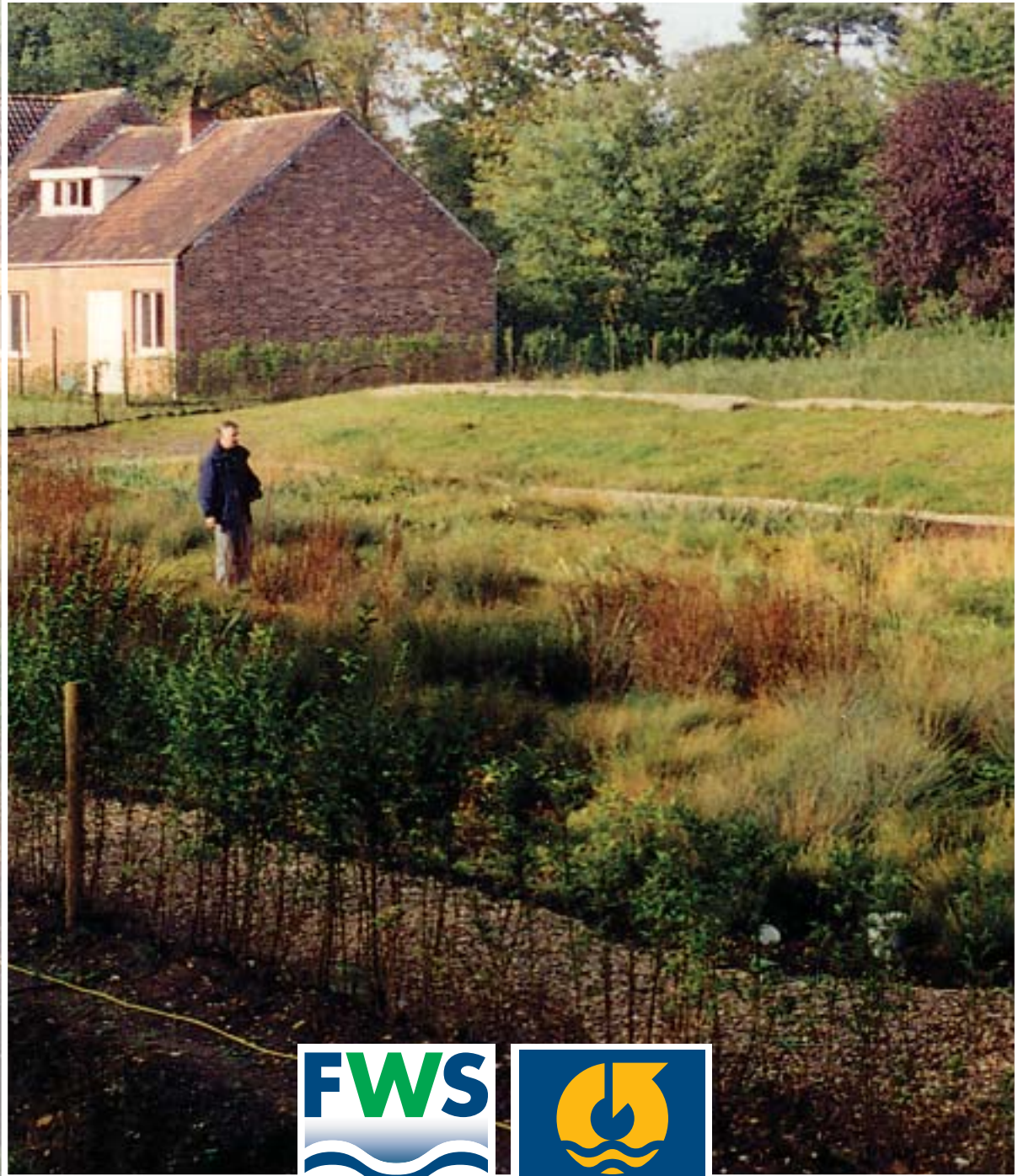


# PURE- Reed-bed Technology

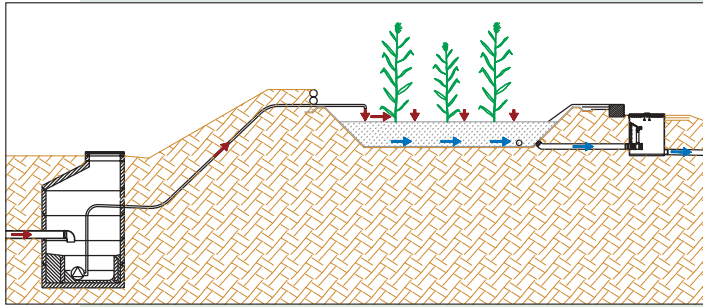


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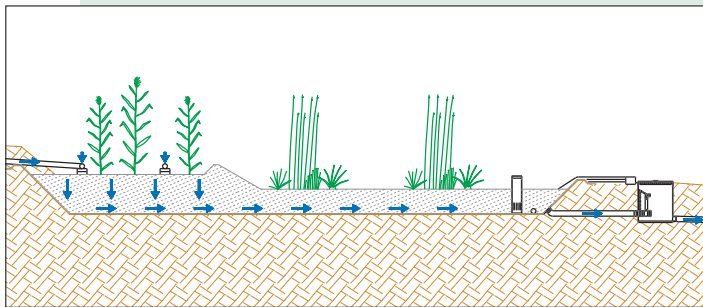


## Operating Mode and System

Preliminary cleaning is necessary for every biological sewage treatment plant. This can either be achieved mechanically by means of a septic tank or bio-mechanically by means of a PURE-Sludge Treatment Bed.



*Bio-mechanical Preliminary Sedimentation*



*Biological Treatment*



The biological treatment unit consists of a filter bed overgrown by marsh plants. The filter bed has a vertical flow and a horizontal flow (hybrid-system). Purification is achieved by means of interaction of plants, soil and micro-organisms. By using an adjustable backflow through the system further nutrient reduction can be achieved.

PURE-Reed-bed Technology is suitable for

- Private households
- Rural communities
- Public operators



## Eco-friendly and Cost-effective

The PURE-Reed-bed Technology forms a top quality and permanent waste water treatment method, and in addition is ecological and sustainable due to the natural treatment of waste water.

PURE-Reed-bed Technology Plants are entirely built by BAUER und MOURIK Umwelttechnik, by licensed specialist companies, or they come as modular construction kits to do-it-yourself.

PURE-Reed-bed Technology helps the operator to become independent from central sewage treatment plants, plus construction and operating costs are lower.



PURE-Reed-bed Technology Plants offer a high purifying capacity and security and therefore form a real alternative to technological and central sewage treatment systems.

## User-friendly

PURE-Reed-bed Technology facilitates the reliable and natural treatment of waste water.

PURE-Reed-bed Technology Plants are easy to operate and last for an operating period of more than 20 years.

### Advantages of the PURE-Reed-bed Technology

- Cost-effective in construction and operation
- Independent from the central waste water treatment system and its fees
- A high purifying capacity
- A natural process and therefore easy to operate and maintain
- Water recycling



# **BAUERUmweltgruppe**

## **The One-stop Service Provider**

- Customised design and consulting
- Construction of complete PURE-Reed-bed Technology plants or sale as DIY construction kit
- Long-term customer care
- Customised financing
- A technologically advanced and mature product due to 20 years of operating experience



## **PURE-Reed-bed Technology - Natural purification of Waste Water**



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