





FBBR is the best choice for costeffective biological wastewater treatment with guaranteed effluent results.

Reference Projects

An independently verified biological treatment process

An advanced biological wastewater treatment process with guaranteed cleaning efficiency Independently tested by PIA GmbH, a leading notified wastewater treatment test facility

Flexible solutions for any application

Industrial Wastewater

FBBR modules can be used as a standalone treatment step for industrial wastewater. This is due to the high-rate biological treatment capacity and the ability to handle high pollution loads. FBBR can also be used in conjunction with other treatment steps including dissolved air flotation.

Municipal Wastewater

FBBR is a highly efficient process step for cleaning municipal wastewater from housing, hotels, tourist developments, etc. Automatic operation combined with low OPEX makes it a cost-effective solution. Different configurations mean, that any effluent standard can be achieved.



Containerised

Plug and play solutions in containerised modules for above-ground installation.



In plastic tanks

Modules in plastic tanks for above or below-ground installation.



In concrete tanks

FBBR in concrete tanks or equipment kits for installation in site-built tanks.



Libya - Worker Camps

Multiple containerised FBBR systems for cleaning wastewater from worker camps at oil drilling sites for the National Oil Company in Africa.



UK - Motorway Services

Biological wastewater treatment of highly polluted wastewater from toilets and catering at motorway service stations for Applegreen PLC across the UK.



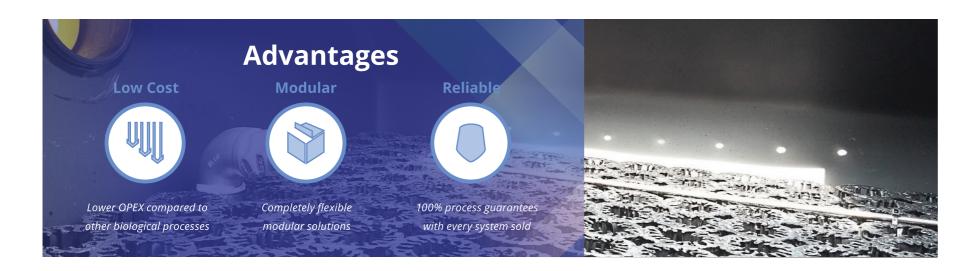
Germany - Dairy

Advanced biological treatment of highly polluted wastewater from Dennree, a producer of organic milk.

Special Features

Our solutions stand out from competitors due to a number of unique selling points. Visit our website to read about them in more detail.





- FBBR process is independently verified and certified by an independent test facility
- More reliable and easier to operate than MBBR and MBR
- Oesigned in strict accordance with DWA design guidelines
- No chemicals required for operation
- Cower electricity usage than other biological process technologies
- Ability to handle underload and overload
- Designed to meet the effluent standards in any country or region
- Complies with all EU standards and all equipment is CE marked





PPU Umwelttechnik GmbH

PPU Umwelttechnik GmbH is a technology company based in Bavaria, Germany. We develop unique wastewater treatment processes, including physical, biological, chemical, filtration and oxidation steps. We offer products and complete tailor made solutions for any industrial or municipal applications. We manufacture all of our products and solutions at our factory in Bavaria.

ClearFox®

ClearFox® is the brand name for the range of products and solutions, manufactured by PPU. ClearFox® products are exported all over the world. Systems are currently installed and operating in Africa, Europe, Middle East, Russia/CIS and Asia. The ClearFox® brand is globally recognised as a specialist provider of solutions for wastewater treatment.

Why choose PPU? Quality control

Our plants and systems are entirely manufactured, independently certified, and tested in Germany. Before delivery, they go through an independent approval process. Customers in over 50 countries worldwide use ClearFox® wastewater treatment plants.

Cost saving

We use the most advanced technologies, which are particularly energy-efficient. PPU offers solutions that work completely without electricity. This means that the operating costs are very low or completely eliminated.

Risk free purchases

You get up to 15 years warranty on selected parts. All ClearFox® treatment systems use corrosion-free materials designed to last. With our systems, we guarantee compliance with all agreed purification standards.

Exclusive technology

Only with us you get patented and specialised solutions that are unique on the market. ClearFox® DiOx advanced oxidation removes even persistent substances, while our ClearFox® DAF works without a scraper and thus requires less maintenance. So all of our processes use cutting edge, advanced technology.

Complete service

With our full engineering and installation team we can offer a total service to customers. We analyze your wastewater in our in-house laboratory, which enables us to offer you the best solution at the best price-performance ratio. We take care of the complete project planning for you and are also available to you after the purchase with our 24/7 service team.

Contact Us PPU Umwelttechnik GmbH

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