

# DiOx

Advanced  
Electrical  
Oxidation

Advanced pollutant removal  
technology with boron doped  
diamond electrodes





An amazing innovation in oxidation technology, allowing the removal of micropollutants and persistent substances with ease.

## Reference Projects



### Sweden - Tobacco

Advanced oxidation and DAF for removal of all traces of heavy metals to meet strict discharge requirements.



### Ukraine - Mining

Advanced removal of heavy metals from polluted mine runoff. A plug and play modular DiOx was supplied to work with our DAF to clean mining wastewater.



### Egypt - Oil and Gas

Removal of a wide range of metals and micropollutants from produced water from oil drilling. Also used for the advanced oxidation of the inert COD.

**Cutting edge new technology for removal of persistent substances, APIs, inert COD, heavy metals and other pollutants**

*Diamond doped electrodes allow an incredible cleaning efficiency and can be customised for any application.*

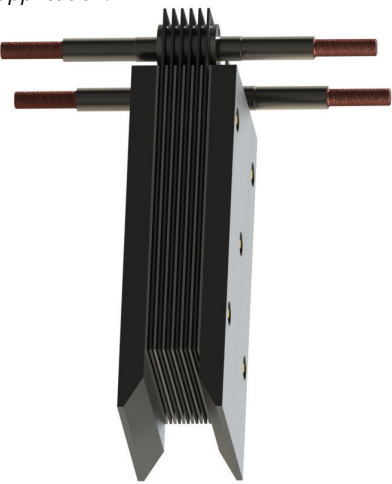
## Flexible solutions for any application

### Industrial Wastewater

An incredible process technology that can oxidise a huge range of hard to clean pollutants from any industry. A 100% automatically operating process that does not require any chemicals or consumables apart from electricity. A wide electrochemical window allows the production of extremely strong oxidising agents. Diamond coated electrodes that last a lifetime.

### Municipal Wastewater

A groundbreaking technology that can be applied as a final or fourth cleaning step for municipal wastewater. Targeted pollutant removal for micropollutants, heavy metals, pharmaceutical products and other persistent substances that cannot be removed from wastewater by traditional processes. DiOx can also be used to totally disinfect final effluent without chemicals.



- 1 **Containerised**

*Plug and play solutions in containerised modules for above-ground installation.*
- 2 **Advanced process**

*The most advanced oxidation process on the market.*
- 3 **Pollution removal**

*Removal of persistent substances and micropollutants with easy operating.*

## 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.*



## Advantages

### High-efficiency



*Removal of an incredible range of pollutants from wastewater*

### Automatic



*Simple operation, only with an electricity supply*

### Reliable



*100% process guarantees with every system sold*



The DiOx process is a cutting edge, innovative, market leading oxidation step:

- ✓ Modular and easy to install in containers or site built tanks
- ✓ No chemicals required for operation
- ✓ Very simple operation without the need of skilled staff
- ✓ Only requires electricity for operation, no other consumables
- ✓ Incredibly strong oxidising effect, cleaning a wider range of pollutants than normal oxidation
- ✓ A perfect solution for the fourth cleaning step in municipal applications





## 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

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