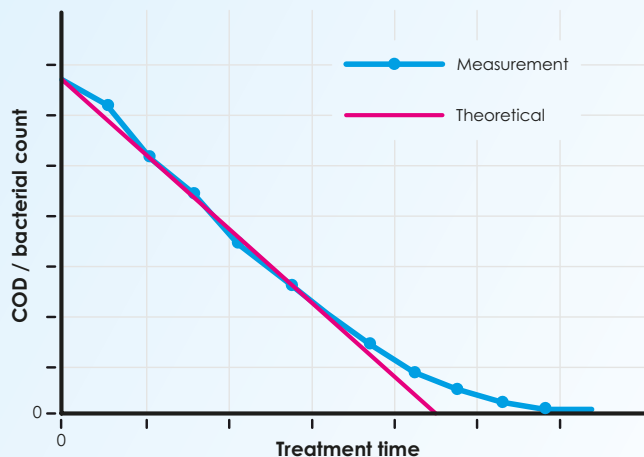
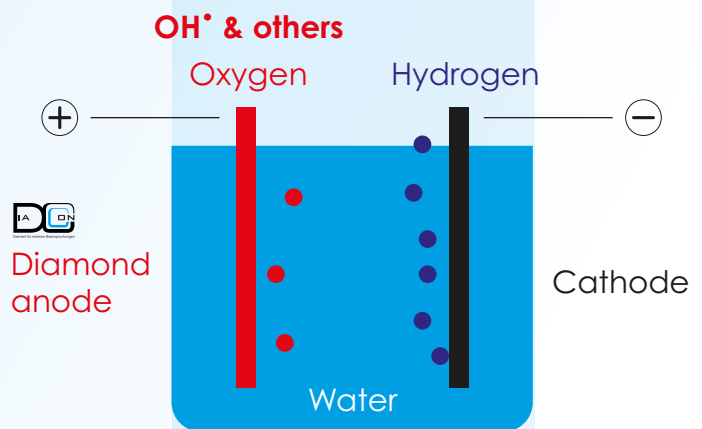


Electrochemical water treatment

Advanced oxidation & disinfection with diamond electrodes

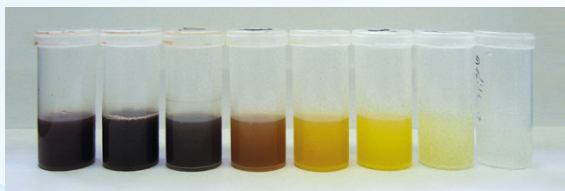
Advanced oxidation

Diamond electrodes make it possible to clean highly polluted wastewater flows without adding further chemicals. Thanks to electrolysis, powerful oxidants, in particular the highly reactive hydroxyl radical ($\text{OH}^\bullet$), are produced with great efficiency on the diamond anode. This $\text{OH}^\bullet$ radical unspecifically destroys even the most resistant molecule structures (cold combustion).



COD-removal & disinfection

$\text{OH}^\bullet$ radicals enable the complete mineralisation of even extremely stable organic pollutants (e.g. also PFAS) and reliably kill off pathogens. This makes it possible to treat even very tough wastewater flows effectively. The required plant technology is simple and manageable.



Wastewater treated with **IA DON** diamond anodes

Reference: FAU Erlangen-Nürnberg; Institut für material science WTM



Disinfection with **IA DON** diamond anodes

Reference: FAU Erlangen-Nürnberg; Institut für material science WTM

We make
crystalline
diamond

DiaCCon

"our tool is the hot filament"



DiaCCon is a worldwide leading company in the field of CVD diamond coating. We specialise in high quality diamond coating of mechanical seals / bearings, and the production of long-term stable diamond electrodes.



DiaCCon GmbH

Dr. Mack-Straße 81
D-90762 Fürth

Tel.: +49 911 950 956 61

Fax: +49 911 950 956 69

info@diaccon.de



www.diaccon.de

We make
crystalline
diamond