

# Alpha Cleantec AG

## Newsletter November 2022

Dear Madam or Sir,

We hope that you, your family and loved ones have a restful, healthy and relaxing time!

Happy Holidays! 🎅



<https://www.linkedin.com/company/alpha-cleantec-ag/>



### About Alpha Cleantec AG

We believe that our eco-system requires looking after so we have a world worth living in to pass to our next generations. Decontamination of soil and water from hazardous contaminants plays a major role in this regard, in our view. This is why we established Alpha Cleantec AG as an environmental technology company in 2016 with a vision to provide safe, green, rapid, efficient and cost effective technologies to resolve environmental harms and hazards caused by inadequate human and industrial activities.

For Decontamination for a wide range of contaminants, see table of contaminants below, we provide two technologies, AFA and SOA, achieving decontamination ratios of up to 97% in just hours (such as Hydrocarbons, BTEX, Petroleum leftovers, Aromatics, PAHS, Chlorinated Solvents, PCBs, Dioxins as well as Pesticides and Herbicides) to be applied for soil, groundwater, wastewater and railway ballast treatment.

For wastewater facilities we have developed based on our proprietary technology a process allowing to pretreat sludge before the digester, thereby significantly increasing biogas generation (up to 50%) and decreasing dry sludge disposal at the end of the process (up to 20%).

For Vegetation control we have developed a process based on an environmentally friendly mixture of inorganic salts that generates concentrated (non-Glyphosate) herbicide absorbing water from the plants and drying the plant including the roots (without changing the salinity of the soil).

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### Table of contaminants treatable by our technologies

CONTAMINANTS	IN-SITU		ON SITE	
	SOA	AFA	SOA	AFA
<b>BTEX</b>				
Benzene	*	*	*	*
Toluene	*	*	*	*
Ethylbenzene	*	*	*	*
Xylene	*	*	*	*
<b>PETROLEUM HYDROCARBONS</b>				
Gasoline Range Organics (GRO)	*	*	*	*
Diesel Range Organics (DRO)	*	*	*	*
Oil Range Organics (ORO)	*	*	*	*
<b>AROMATICS</b>				
Chlorobenzene	*	*	*	*
Bromobenzene	*	*	*	*
Dichlorobenzene	*	*	*	*
Nitrobenzene	*		*	
Phenol	*		*	
Styrene	*	*	*	*
Naphthalene	*	*	*	*
Trichlorobenzene	*		*	
Trimethylbenzene	*	*	*	*
<b>PAHS</b>				
Phenanthrene	*	*	*	*
Naphthalene	*		*	
Acenaphthylene	*		*	
<b>CHLORINATED SOLVENTS</b>				
Tetrachloroethylene	*		*	
Trichloroethene	*	*	*	*
Dichloroethene	*	*	*	*
Vinyl chloride	*		*	
Tetrachloroethane	*	*	*	*
Trichloroethane	*		*	
Dichloroethane	*	*	*	*
Dibromochloroethane	*	*	*	*
Bromodichloromethane	*		*	
Carbon tetrachloride	*	*	*	*
Chloroethane	*	*	*	*
Chloroform	*	*	*	*
Chloromethane	*	*	*	*
Chlorotoluene	*	*	*	*
Methylene chloride	*		*	
<b>PCBS</b>				
<b>DIOXINS</b>				
<b>PESTICIDES AND HERBICIDES</b>				
Glyphosate	*		*	
Goal	*		*	

We plan to inform you in future whenever we accomplished projects, pilots or case studies. Please let us know if you do not wish to get our company news.

Kind regards

Mit freundlichen Grüßen

Andreas Danner

**Alpha Cleantec AG**

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