

Dear Madam or Sir,

We hope this email finds you well and healthy. Just after the summer vacation, we send you our following Newsletter containing the August updates.

Next month we are planning to participate in four exhibitions as IWA 2022, Copenhagen, Denmark; Contamination Expo 2022, Birmingham, UK; Innotrans 2022, Belin, Germany; RemTech Expo 2022, Ferrara, Italy and a virtual WaterMatch 2022 event. We will be glad personally meet you there and answer any of your questions.

From our R&D department we are happy to provide you with a new update regarding customer projects.

Successful feasibility study completed with a large Israeli drinking water company.

The Problem: The feasibility study was with large Israeli company in the field of drinking water. As from one hand, **drinking water** is very sensitive to presence of wide range of contaminants in a ppb level and from the other hand the price of the treatment should be very low, **chemical treatment of drinking water** is a challenge. The target of the project was examination of the SOA-AFA technology efficiency for **drinking water** decontamination and meeting of Israeli regulation.

The Objective It is therefore the intention of the customer to rapidly, simply, safe, green and cost-effectively decontaminate the **drinking water** from **chlorinated hydrocarbon leftovers** to meet Israeli threshold value regulation for the current contaminant.

The Solution: We have implemented our SOA-AFA solution as a treatment agent based on on-site batch approach. As a result, the process was efficient and reached the required levels of decontamination based on Israeli regulation after single treatment with a short contact time.

Contamination	Contamination Before		Contamination After		Required level		Conversion (%)
	Value	Unit	Value	Unit	Value	Unit	
COD	428	(ppm mg/L)	38	(ppm mg/L)	100	(ppm mg/L)	91
VOC	100	(ppb µg/L)	<10	(ppb µg/L)	100	(ppb µg/L)	

Maybe you face similar challenges in your business. Then please feel free to contact us.

<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.

Alpha Cleantec AG provides two technologies, AFA and SOA, achieving decontamination ratios of up to 97% for a wide range of contaminants 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, wastewater and railway ballast treatment.

Table of contaminants treatable by our technologies

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

Alpha Cleantec AG

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

Kind regards

Mit freundlichen Grüßen

Andreas Danner

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