

Alpha Cleantec AG

Newsletter September 2021

Dear Madam or Sir

We hope this email finds you well and healthy. Today we send you our next Newsletter containing the September updates. Fortunately, the almost normal life is slowly re-starting, and it is coming with a beginning of life exhibitions. This month our dedicated team participated in several exhibitions dealing with contaminated soil, wastewater, groundwater and sludge. As, **Contamination & Geotech Expo, Birmingham 2021, UK** and **RemTech Expo, Ferrera, 2021, Italy**. In addition to this, we also had an opportunity to present our new vegetation control solutions and track bed treatment technology during the **Railtex / Infrarail, Birmingham 2021, UK** and **EXPO Ferroviaria, Milan, 2021, Italy** exhibitions. We enjoyed the presentations, the relevant discussions and meetings with potential customers.

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

Project - Treatment of contaminated groundwater in Italy.

The Problem:

The Project was with an Italian environmental engineering company. The target of the project was the treatment of contaminated groundwater in the company site in Italy. It is a complicated site with two main types of contaminated groundwater wells, lightly contaminated (less than 3,000 ppb) and highly contaminated by more than 10,000 ppm. The main contaminants in this site are hydrocarbons, aromatic, polyaromatic and chlorinated materials and solvents.

The Objective

It is therefore the intention of the customer to rapidly, simply and cost-effectively decontaminate the **groundwater** from organic materials to meet Italian threshold values regulation for each group of contaminants.

The Solution:

We have implemented our SOA solution as a treatment agent based on a simple penetration approach without deep pressure injection.



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

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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	*	*	*	*

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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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