

Alpha Cleantec AG

Newsletter October 2021

Dear Madam or Sir

We hope this email finds you well and healthy. Today we send you our next Newsletter containing the October updates.

Last month we participated in several exhibitions and conferences dealing with contaminated soil, wastewater, groundwater, and sludge. As, **Pollutec, 2021, Lyon, France** and **Green days 2021** online event. In addition to this, we also had an opportunity to present our new vegetation control solutions and ballast treatment technology during the **Sifer Expo 2021, Lille, France**. We enjoyed the presentations, the relevant discussions and meetings with potential customers.

Moreover, we are very proud that our new solution for **municipal wastewater plants** has been chosen by **SUEZ**, a worldwide leader in the service of smart and sustainable management of resources, for their **SUEZ** challenge and we had an opportunity to present our solution to SUEZ management team.

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

Pilot with a German biological soil treatment company.

- The Problem:** Execution of an onsite pilot with a German soil treatment company that provides soil decontamination services by biological treatment. One of the issues they are facing is that their own processes for soil decontamination are not rapid and efficient enough for highly contaminated soils.
- The Objective** Therefore, the intention of our potential customer is to find a rapid and cost-effective solution (pre-treatment) that can be **combined with biological treatment** at the next stage. Such a unique combination could allow fast, cost-effective and efficient treatment of heavily contaminated soils.
- The Solution:** During the pilot we implemented a series of treatment methodologies for **several tons of contaminated soil** thereby demonstrating that through a simple process our SOA and AFA technology could be applied as pre-treatment and combined with biological treatment.

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

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.

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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	*	*	*	*

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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