

Dear Madam or Sir

We hope this email finds you well, healthy and already working from your company office planning the next projects and activities and not from home as it was for a lot of us during the last months of the pandemic.

Today we send you our next Newsletter containing the October updates.

Even so we were not able to travel, we participated in several virtual Conferences. In September and October we had presentations with big interest from audience at the conference RemTech Expo 2020 virtual (Tuesday 22 September “Superoxide as a Green Reagent for Soil and Water Treatment”) and Brownfield Festival – Remediation 2020 (Thursday 22 October “Superoxide as a Green Reagent for Soil and Water Treatment”). Maybe you participated as well and watched our presentation, then tell us about it, we would love your feedback.

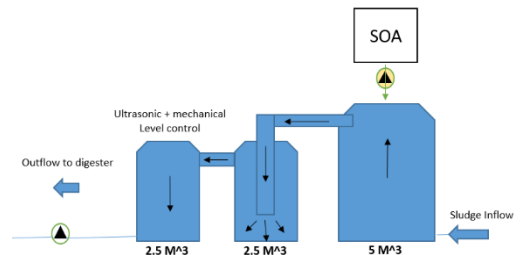
From our R&D department we are happy to provide you with a new update regarding customer projects.

Running of half year pilot with Israeli largest private wastewater treatment company

The Problem: The pilot project was with Israeli largest private municipal wastewater treatment company. The company design and operates anaerobic and aerobic wastewater facilities. On the first stage we started with a pilot in an anaerobic plant and we expect to expend this pilot in a coming months to aerobic facility as well.



The Objective: It is therefore the intention of our potential customer to continues cost-effective methodology for pretreatment of secondary sludge better hydrolysis and release of organic material (increasing of COD level in secondary sludge).



The Solution: Together with the customer we designed and constructed a pilot unit with the ability to treat 2.5 -10 m³/h (60 – 240 m³/day) of waste water. We demonstrated that through a simple process our SOA technology could be continuously applied to provide savings by converting secondary sludge to high-quality sludge with high COD levels and improving the efficiency of the biological process.

Pilot intermediate Results:

Secondary Sludge Before pre-treatment (ppm mg/kg)	Secondary Sludge After pre-treatment (ppm mg/kg)	Increasing level %
2,000	19,000	950

Alpha Cleantec AG

Newsletter October 2020



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

Sincerely,

Your Alpha Cleantec Team

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	•		•	

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.

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