

Dear Madam or Sir,

We hope this email finds you well.

In April, we initiated new business cooperations with several prominent actors in the oil & gas, chemical and water treatment industries in Europe as a result of a successful session of Isle Utilities' Technology Approval Group (TAG). We also prepared for a new full-scale piloting of our technology for the pretreatment of wastewater sludge before the digestion under Isle Utilities' "Trial Reservoir". We furthermore signed a new cooperation agreement with one worldwide referenced European company in the field of dismantling nuclear power plants and the treatment of nuclear wastes and wastewaters for the purpose of implementing together our nuclear wastewaters treatment technology. We kicked off concrete projects with one of our German partners for the recovery of phosphorus and ammonia from wastewaters and the treatment of wastewaters from the recycling of car batteries as well as further projects with our British and Dutch partners in the field of vegetation control on railways with the support of local Environment Agencies. Last but not least, we engaged in concrete discussion with several potential strategic partners as a result of our participation in the Sandbox Program of the Forest Valley Institute in which we actively participated.

Our R&D department pursued its intensive research and development works, a key contribution to our continuous effort to further reinforce the performance of Alpha Cleantec's technologies and anticipate emerging requirements of constantly evolving regulations and industrial developments. We will report on new R&D developments in upcoming newsletters.

If you want to try our unique unit in your plant. 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 the 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 of a wide range of contaminants (see table below), we provide two technologies, AFA and SOA, achieving decontamination ratios of up to 97% in just hours (such as for Hydrocarbons, BTEX, Petroleum leftovers, Aromatics, PAHS, Chlorinated Solvents, PCBs, Dioxins as well as Pesticides and Herbicides) to be applied in 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.

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 the future about newly accomplished projects, pilots or case studies. Please let us know if you do not wish to receive our company news.

Kind regards/ Mit freundlichem Gruß



Alpha Cleantec AG

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