

Dear Madam or Sir

Today we send you our next Newsletter containing the June updates. This month we had an opportunity to participate in several conferences dealing with soil, wastewater, and contaminants. As, **Virtual German-Dutch matchmaking Water technology**, organized by Umwelt cluster Bayern, **Aqua Con Soil 2021 festival of science**, **Singapore International Water Week 2021** and **Wastewater Plants and Factory Effluents**, organized by The Israel Institute of Energy and the Environment. We enjoyed the presentations, the relevant discussions, legislation updates, meeting with potential customers and the new technologies that were presented at the event.

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













### **Successful laboratory study on the railway Vegetation Control field for one of the significant players in the EU railway market.**

**The Problem:** The laboratory study was for one of the EU companies which are dealing with vegetation control in the railway roads. For safety and operational requirements, railway tracks must be largely free of vegetation. The common market solution to prevent and treat vegetation on railway tracks is the use of soil herbicides and leaf herbicides. For decades Glyphosate-based materials were one of the most efficient and cost-effective solutions. However, recently because of the environmental impacts and resistance of part of the plants, it was decided to stop using Glyphosate-based materials and new efficient and cost-effective **non-Glyphosate herbicide** which can be applied with existing equipment is in great need.

**The Objective** Therefore, the intention of our potential customer to rapid, simple, cost-effective and non-Glyphosate herbicide which can treat a wide range of weeds including Glyphosate resistant plants and can be applied with existing spraying equipment.

**The Solution:** We have implemented a series of laboratory treating's with our unique **VC herbicide**, non-Glyphosate based material, especially designed for railway vegetation control ("VC"), using manual spraying equipment for one of the Glyphosate resistant plants known as Equisetum Arvense (**Acker-Schachtelhalm**). We demonstrated that through a simple process our VC technology rapid and efficient for this Glyphosate-resistant plant, while even very concentrated and aggressive treatment (50 times more than required for regular vegetation control) with Dominator Ultra (Glyphosate-based material) cannot provide a required result.

### Results:

	Day 0	Day 3	Day 6	Day 14
Control				
Dominator Ultra				
ACT_VC				



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.

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

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Mit freundlichen Grüßen

Andreas Danner

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