

PHYTOENVITECH – CLEANING SITES BY USING PLANTS – THE TECHNOLOGY FOR TOMORROW

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Abstract

PhytoEnvitech AB is a company in the Cleantech and Greentech industry sectors, founded in 2014. PhytoEnvitech AB uses various special plants for cleaning soil and water from heavy metals and organic contaminants. This technology has been developed at Stockholm University for more than 20 years, tested both in laboratory and in field. As a fully mature technology it is now in commercial use by the company. The technology is both economically and environmentally beneficial and can remediate very large sites.

PhytoEnvitech AB technology is based on cultivation of plants that either removes, degrades or stabilize contaminants. The company handles all stages in the cleaning process; analysing the site, cultivating plants and finishing up the site. All according to a plan tailored for the specific requirements to each site.

Examples of PhytoEnvitech AB activities are: 1) cleaning soil and water from heavy metals and organic contaminants, 2) cleaning agricultural soils to reduce cadmium in food crops, 3) prevent release of metals from mine tailing into recipients and 4) prevent leakage of contaminants from deposits. During the cleaning process the site may be constructed as a park that can remain after the remediation.