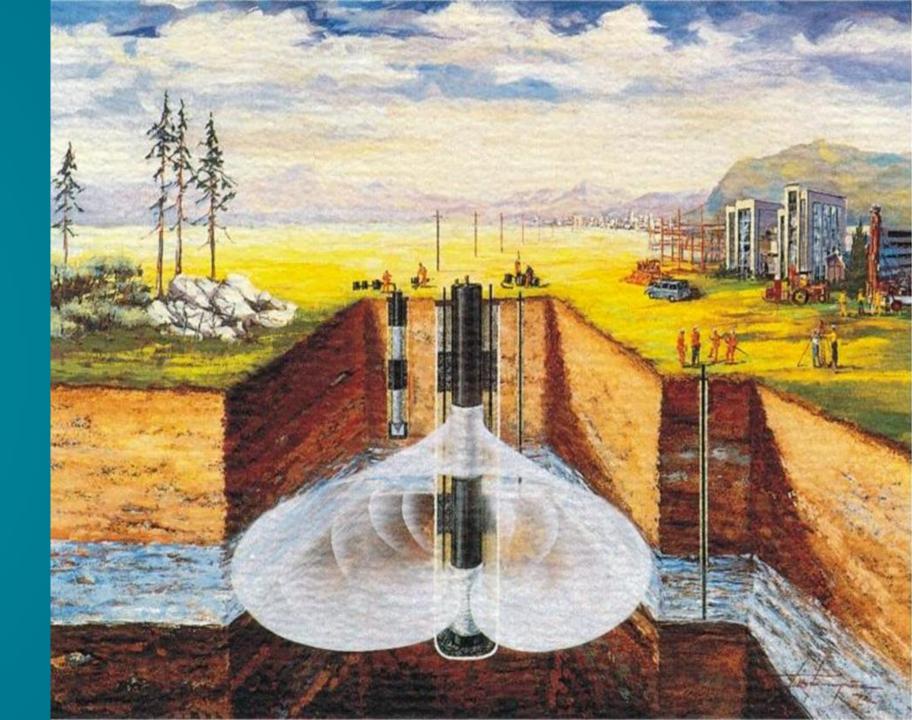


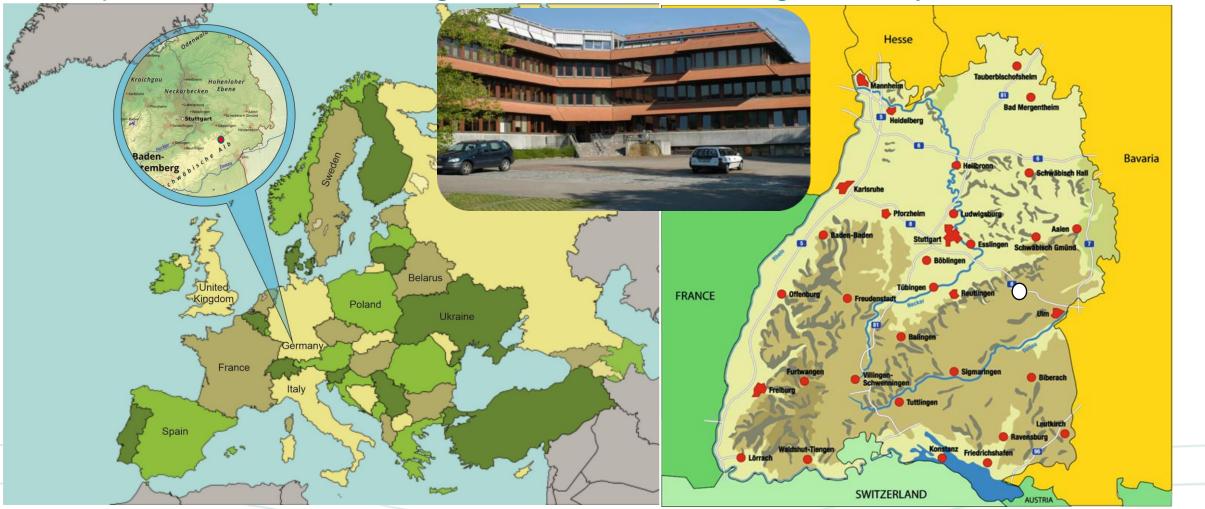
Soil & Groundwater Remediation



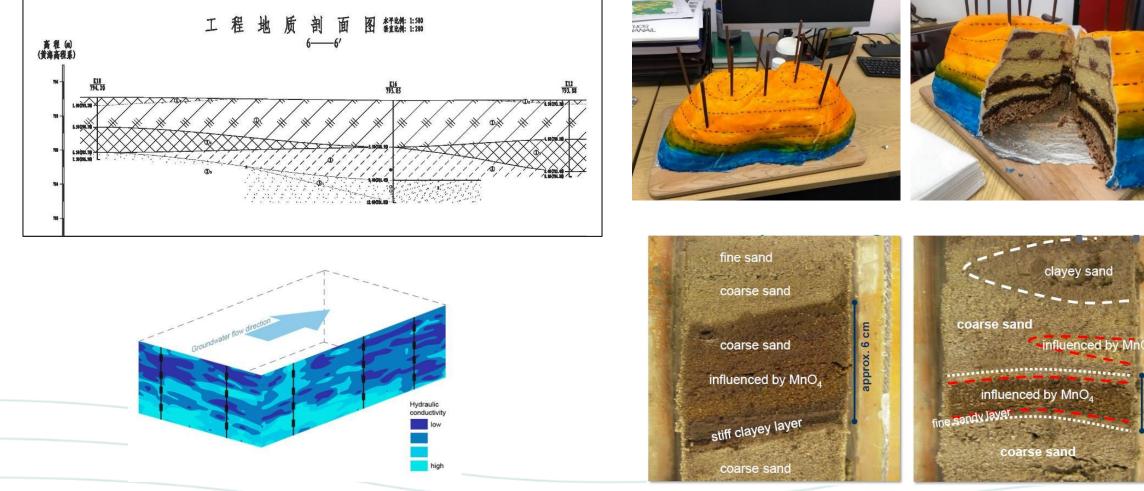
Where we are



Headquater Location, Gruibingen, Baden Württemberg, Germany



Why IEG-GCW®? Heterogeneity





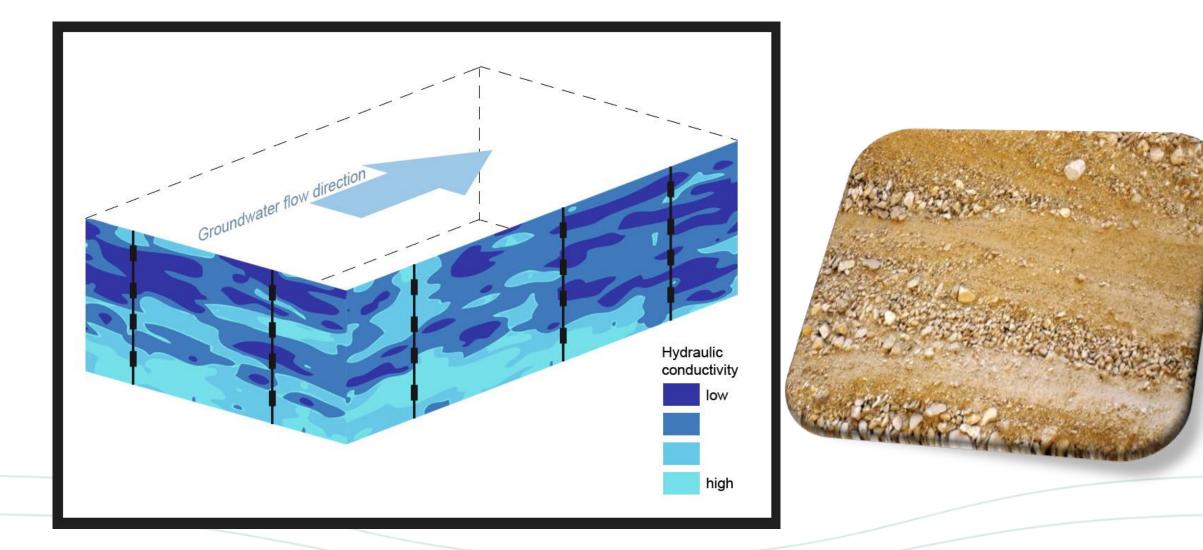
Seite 3

3

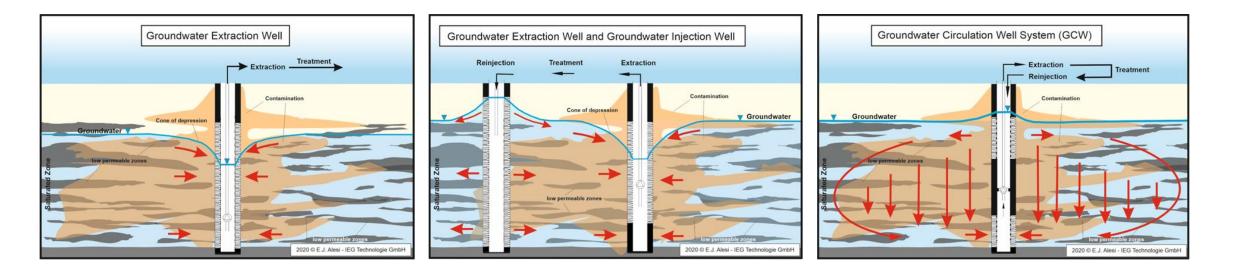
pprox

Hetrogeneity !









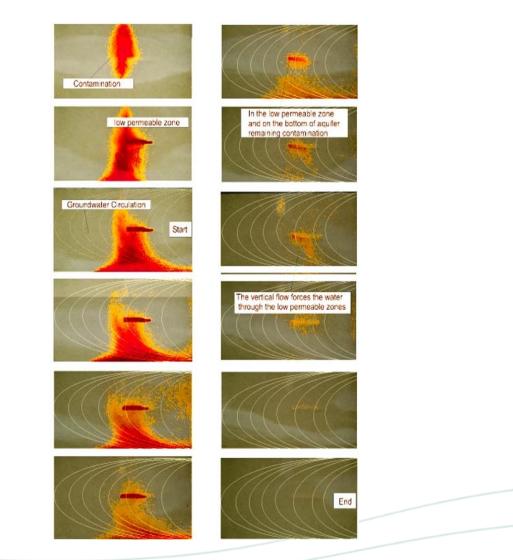
Comparison Extraction, Extraction & Injection with Groundwater Circulation





BENEFITS

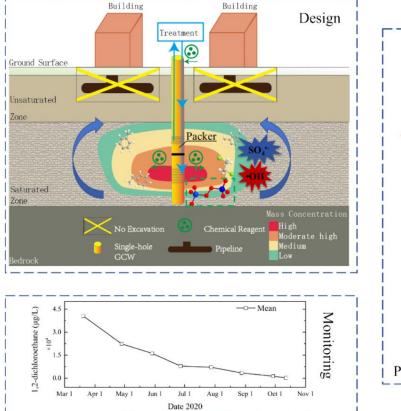
- Setup of diverse directed circular flow fields around GCWs for effective mobilization of contaminants, distribution of nutrients, liquid and coloidal supplements
- The hydraulic flushing system can be combined with physical - chemical, microbiological and reactive treatment processes
- Faster remediation time because vertical circulation forces groundwater perpendicular to low permeable zones

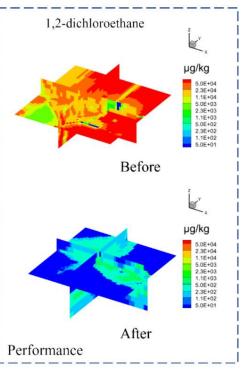




BENEFITS

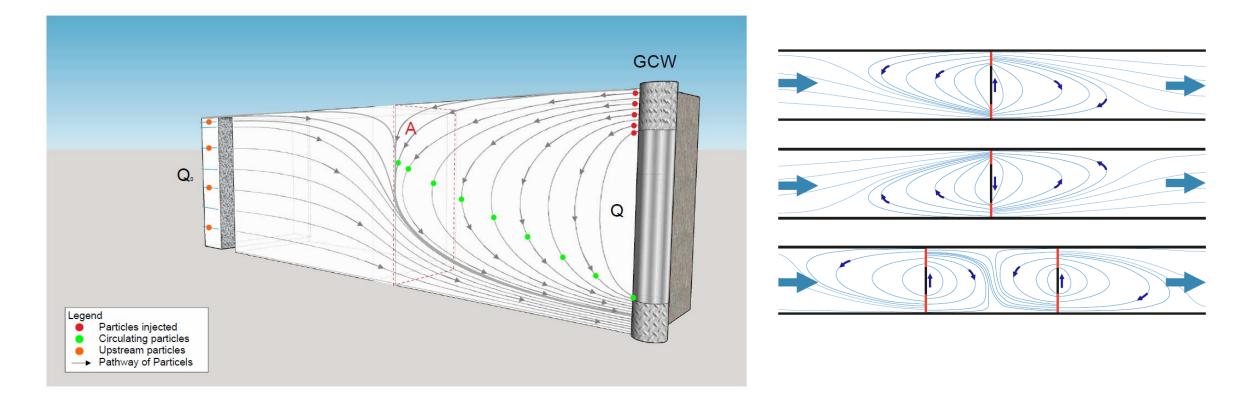
- Effective in situ treatment without groundwater removal from the subsurface
- Minimally invasive and non-disruptive to site conditions
- Accelerated mass removal to reduce treatment time and accelerate site closure
- Simultaneous treatment of unsaturated zone and capillary fringe





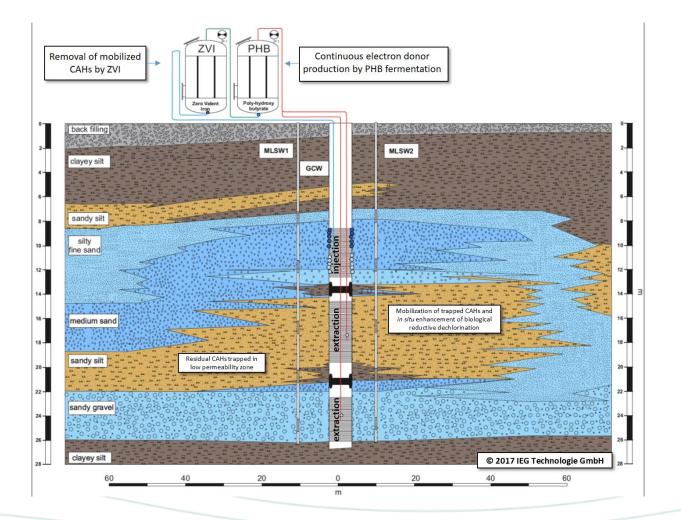
GCW Principle





IEG Technologie GmbH



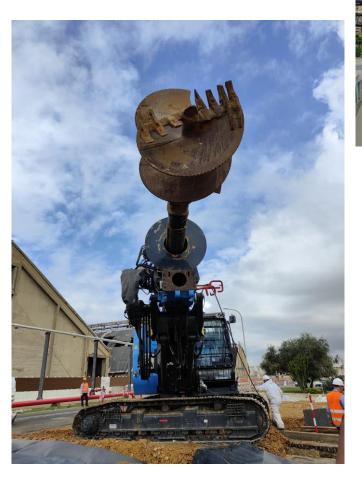


Max Mustermann

Seite 9

Drilling GCW Well Drilling



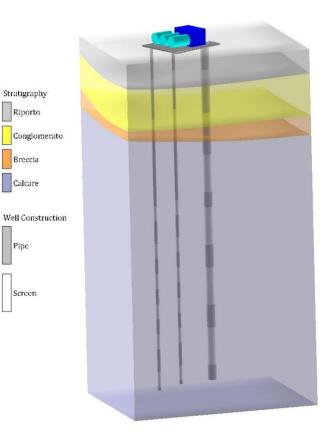




18.06.2024

Constructing a GCW Remediation Well





Pipe

Well Equipment construction



Construction and Manufacturing







Installation

GCW Well Drilling











Above Ground Treatment Systems

Groundwater treatment

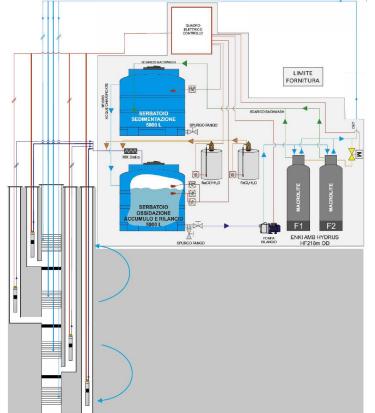
All kinds of purification techniques (strippers, activated carbon, biofilters, ion exchangers, membrane technique etc.) can be integrated into the groundwater circuit.

The devices for purifying the polluted groundwater can be installed in the well shaft itself, in a below ground vault or in an above ground placed container. If the circulation flow is used to supply gaseous, liquid or colloidal substances to the water-saturated zone, the aquifer itself becomes the reactor.

Physical Remediation

Heavy metal treatment

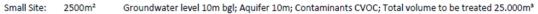




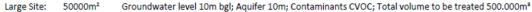


Costs









IEG



