

Remediation of industrial site, Salamanca, Mexico

GIZ GmbH/GOPA GmbH

Service area	Contract value	Project duration
Land Recycling, Infrastructure Planning	ca. €40,000	2010 - 2015



Project description:

The remediation of the location “Tekchem“ in Salamanca, Federal State Guanajuato, is supported by the component “Contaminated Site Management and Revitalization of Brownfields” of the environmental program “Mexico” of GIZ (Gesellschaft für Internationale Zusammenarbeit GmbH - German Society for International Cooperation) as part of a pilot project. HPC AG was contracted by GIZ / GOPA mbH, respectively, to investigate the geological conditions in the surroundings of the site and to elaborate a remediation concept.

Further project data:

- Soil and groundwater contamination by pesticides
- degradation products as well as halogenated hydrocarbons, amongst others
- Overall land area: ca. 150.000 m²
- 3 groundwater storeys affected

Purpose:

- Present danger to local groundwater supply and public health

Our services:

- Evaluation of existing documents (reports, expertise, official documents)
- Deficit analysis and structuring of work program
- Hydrogeological mapping of site surroundings
- Hydraulic Modelling (3D-finite-element-method)
- Elaboration of remediation concept, comprising of:
 - Hydraulic safeguarding
 - Surface sealing

Client benefits:

- Introduction of modern hydrogeological research methods in Mexico
- Introduction of European standards and evaluation methods for the remediation of contaminated sites

