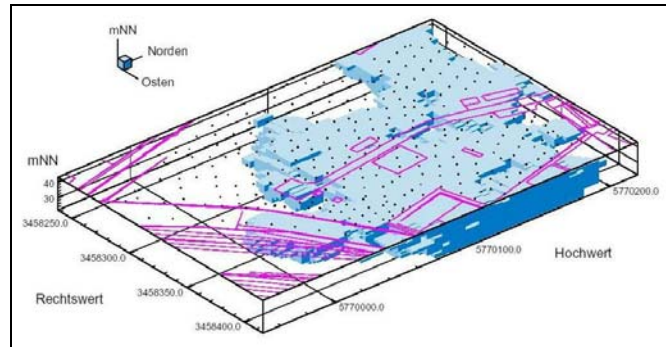


## Soil contamination at the tank farm Trippelsberg at start and end of remediation, Düsseldorf, Germany

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<b>Project Location:</b>	Düsseldorf - Benrath, Germany
<b>Client(s):</b>	Deutsche Shell AG
<b>Date Completed:</b>	Phase 1: 2000; Phase 2: cancelled
<b>Project Budget:</b>	\$ 60,000

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Tank farm Trippelsberg: Total hydrocarbon content in soil >500 mg/kg

### Project Summary

As part of a contract for brown field development, the soil at the former tank farm Trippelsberg needed to be cleaned of hydrocarbons by enhanced bacterial action. A contract was awarded by Shell to document the soil pollution with hydrocarbons before commencement of remediation in phase 1, and upon successful remediation in phase 2, as required by regulatory agencies. In the first phase a database of soil contamination by hydrocarbons was developed and the various hydrocarbons (grouped by boiling point) plotted in 3D-plate-like structure and in some 2D-diagrams. The area affected is approximately 200 by 250 m in size.

The remediation has been delayed and phase 2 has been cancelled, having not been required by the regulatory agency.

### Services Provided

- \* Transfer of contamination data into a database.
- \* Development of computer procedures to plot 2D- and 3D-distribution of soil contamination.
- \* Preparation of report with text, 2D- and 3D-diagrams.

### Deliverables or Results

- \* Report with 2D and 3D distribution of soil contamination by hydrocarbons.