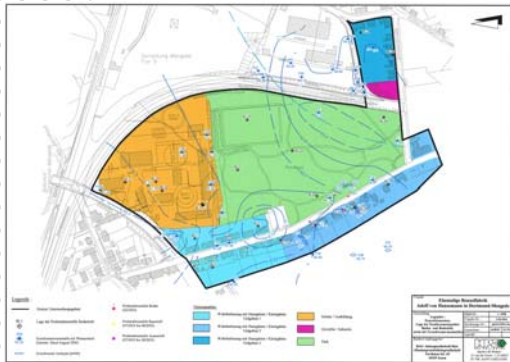


# Former Benzene Facility „Adolf von Hansemann“ in Dortmund



## Project Description:

From 1899 to 1930, a coking plant had been operated on the site. Between 1913 and 1977, the facility was used for the extraction of benzene. The long-term operation and war impacts caused contaminant releases into the soil and groundwater.

A toxicological exposition-risk quantification (TERQ) was carried out for today's existing scenarios of use, i.e. residential area, training center and parking area.

## HPC Performance:

- Historical research/ research of future use and elaboration of an investigation program
- Additional sampling of soil gas and ambient air to complete the data base
- Implementation of the toxicological exposition-risk quantification (TERQ) for the former site and its direct downgradient area regarding the following scenarios:
  - residential area
  - training center,
  - parking area,
  - residential area with groundwater use for watering purposes (alternative).

## Project Name:

Toxicological exposition-risk quantification for the former benzene facility „Adolf von Hansemann“ in Dortmund Mengede.

## Country:

Germany, North-Rhine Westphalia

## Client:

MGG

## Purpose:

Evaluation of the former site with regard to human health risks

## Contract Volume:

37,000 €

## Project Duration:

2007

## Project Managers:

Dr. F. Karg; T. Grauf, U. Hintzen

## Project Scientist:

F. Negrazus

## Field of Service:

Toxicological risk assessment

## Project Data:

- Contaminants: BTEX, PAH