

# PHASE II ENVIRONMENTAL ASSESSMENT OF MANUFACTURING SITE IN OFFENBURG (GERMANY)

## Case Study



### LOCATION

Industrial zone,  
Offenburg,  
Germany

### CLIENT

Hansteen Holdings PLC

### WSP CONTACT

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### SUMMARY OF OUR DELIVERY:

Environmental assessment of a manufacturing site for electronic goods including soil and groundwater analysis, unexploded ordnance device survey, and consultation with regulatory bodies.

### OBJECTIVE

Due to the long-lasting industrial use, and contamination with halogenated hydrocarbons encountered on site in 1991, WSP Environmental was commissioned by Hansteen to undertake an in-depth risk assessment to appraise potential environmental liabilities associated with the site.

Hence, the main objective of the assessment was to eliminate the risk of uncertain soil or groundwater contamination that could give rise to future liabilities. This was achieved by investigating potential contamination sources such as a former petrol station, an old machine shop, and buried backfill material of unknown composition.

During the Second World War the site was heavily bombed. As such it was necessary to carry out a survey of unexploded ordnance devices to determine if there were any duds present on site that may create problems for future redevelopment.

Furthermore, the program for field work and laboratory analysis was aligned with the competent regulatory body to ensure compliance with legal requirements and to benefit from environmentally pertinent information regarding former site uses, decommissioning and remediation processes.

### ACTION

Our Phase II Environmental Assessment included the following services:

- Consultation with regulatory bodies regarding former site uses, decommissioning and remediation activities, and classification of the site in the Contaminated Land Register files
- Sampling design and selection of chemical parameters in close cooperation with environmental authority
- Supervision of drilling works and soil and groundwater sampling
- Evaluation and interpretation of laboratory results
- Quick survey of unexploded ordnance devices
- Risk assessment based on chemical results and taking into account environmental sensitivity and setting of the site
- Summary of key findings and risk classification in final report

### OUTCOME

We supported Hansteen in assessing the environmental risks of the property. As our risk assessment is backed by the analytical results of the soil and groundwater samples taken on site it can be considered a sound basis for future decisions and actions for the client.