

**Subsoil expertise  
Numerical modelling  
Finite element method  
Settling forecasts  
Settling monitoring  
Construction  
Waste Processing Plant Cröbern near Leipzig**

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**C&E**

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**Objective:**

**Numerical modelling  
Settling forecasts within the planning works  
for the construction of a Waste Processing Plant Cröbern**

**Location:** MBA Cröbern

Free State Saxony

**Client:** Hochtief AG  
NL Leipzig

**Beneficiary:** Hochtief AG  
NL Leipzig

**Duration:** 2003 - 2006

**Scope of Services:**

- Working out of two-dimensional calculation models (tread cuts)
- Numerical stress-strain analyse using FEM
- Development of a settling model based on calculated tread cuts
- Design of a settling monitoring, determination of a breakpoint classification
- Assessment of a In-Situ-settling within 2 years after construction of a building

