



DR. SPANG

INGENIEURGESELLSCHAFT FÜR BAUWESEN, GEOLOGIE UND UMWELTTECHNIK MBH

## DEVELOPER

Arnsberg District Authority

## PROJECT

**Stabilization of Gironde 3 and 4 stratum, Clarenberg, Dortmund**

- Danger of a cave to the surface caused by workings of a vein
- Downfall zones were discovered in several offset holes drilled under Benninghofer Straße

## OUR SERVICES

- Access holes in the area of Benninghofer Straße
- Construction support for access and fill holes
- Specialist support
- Supervision of works

