Dear Reader,

in case of works in the fields of civil engineering you have different questions needing to be answered for each phase of sensitive construction projects regarding geotechnical testing and measuring techniques. With the following documentation we of the Geotechnisches Ingenieurbüro Prof. Fecker und Partner GmbH (**GIF**) would like to draw your attention to ways in which we can help you to tackle your work. In addition to all current geotechnical standard measuring methods we are also offering made-to-measure concepts for special works.

In detail we may offer you the following performances during the main phases of a civil engineering project:

- **Planning**
  - Geological investigation
  - Foundation exploration
    - ⇒ Optical exploration, TV exploration, borehole scanner
    - ⇒ Primary stress measurements
    - ⇒ Ground water observations
  - In-situ tests to determine foundation behaviour during loading and relief
    - ⇒ Plate load tests
    - ⇒ Triaxial tests
    - ⇒ Borehole dilatometer tests
    - ⇒ Shear tests
    - ⇒ Static load tests of concrete piles
    - ⇒ Special structure-related tests

Geotechnisches Ingenieurbüro
Prof. Fecker & Partner GmbH
Am Reutgraben 9 Fon: ++7243/5983-7
D-76275 Ettlingen Fax: ++7243/5983-97

- **Execution of construction work**
  - Documentation and consulting on engineering geology topics
  - Monitoring of foundation behaviour under various conditions of construction
  - Displacement measurements
  - Stress measurements

- **Stability checks through limit monitoring**
  - Displacement velocity
  - Stress concentrations

- **Long-term monitoring**
  - Displacement measurements
  - Stress measurements

The following documentation deals only with part of our services: geotechnical measurements. In the more than 20 years that we have been active in this field we have accumulated experience from numerous surface and underground construction projects, experience that we can channel into the planning and execution of your measurements.

GIF has established and applies a quality system for geotechnical measurements and tests. Proof has been furnished that the requirements according to **DIN EN ISO 9001** are fulfilled.

If you would like to receive further details about our company's activities, we shall be glad to pay you a visit.

Prof. Dr. E. Fecker

Geotechnisches Ingenieurbüro
Prof. Fecker & Partner GmbH
Am Reutgraben 9 Fon: ++7243/5983-7
D-76275 Ettlingen Fax: ++7243/5983-97