

# Foundations and excavations

**Expertise in the area of foundation and excavation construction is essential when it comes to arriving at viable solutions to the challenges associated with the conversion of existing buildings, urban development projects and demanding geological and hydrological conditions. The range of solutions includes sealed excavation pits, specially reinforced foundations for building and infrastructure projects and separate installations to stabilize building grounds.**

Our repertoire of engineering solutions includes:

- Buttrressing and underpinning
- Sealed evacuation pits
- Slope stabilization and berms
- Pile foundations
- Ground improvement
- Water control
- Foundation monitoring

In addition to an in-depth knowledge of geotechnical engineering and ground-structure interaction, the demanding and multifaceted field of foundation and excavation engineering also requires an ability to manage the associated risks. An understanding of ground conditions at construction sites and the relevant construction procedures represents an important success factor for the successful completion of foundation projects. This is why we consult with geologists and contractors at an early stage. Proactive communication with our clients and an early assessment of the requirements, opportunities and risks is just as important when it comes to arriving at optimal solutions.