

Subsoil and foundation expertise

In any construction for private, commercial or industrial use, the subsoil must permanently bear the weight of the structure.

If it does not do so, damage may occur due to subsidence or ground failure.

As a specialist office we develop expertises

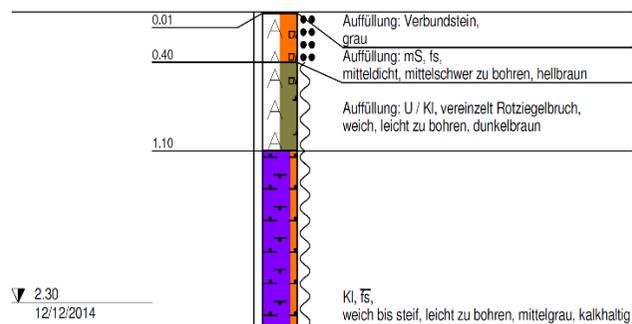
about subsoil, foundation and groundwater including the execution of necessary subsoil investigations by

drilling, pile-driving or pressure tests as well as excavator prospecting etc.,

sensory ground investigations such as radar, geo-electrics, seismics or pulse neutron neutron on open spaces as well as in and under buildings,

groundwater investigations for the evaluation of groundwater depth, flow direction and the influence on structures with

all laboratory tests on soil, air, ground water and building material samples.



Bomb dud

Building sites (land or water) that are not free of explosive ordnance must be examined for explosive ordnance before any intervention in the building ground such as exploration / foundation / renovation work. Suspicious areas are to be opened and cleared if confirmed.

As experts we offer both, standard and special procedures

(e.g. INN
survace
sensors)



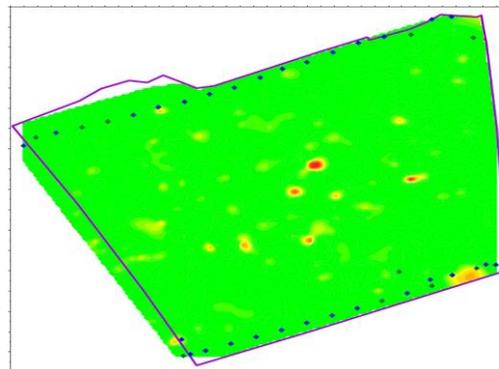
for

the detection of explosive ordnance on land and water surfaces, rubble sites and in and under buildings,

the verification of suspicions,

the monitoring of measures and

the cost control of all clearance work.



Soil expertise for building foundation contaminated sites obstacles dud bombs

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contaminated sites

Pollutants in soil and groundwater can lead to high consequential costs.

For buyers and sellers of real estate they mean financial and liability risks. Small and large commercial/industrial sites, but also wild landfills or the private underground tank are typical contaminated sites.

As experts we offer

contaminated site reports for building ground, groundwater and buildings,

soil investigations with drillings and dredging or sensory methods like the Impuls Neutron Neutron system INN,

soil vapour studies,

groundwater investigations with sampling, direction of flow and property entries and exits and

lab tests on.



Structural damage

In new and existing buildings of private, commercial or industrial use, structural damage is no exception. Their cause(s) are often found in the building ground. The consequences are costs for maintenance / repair, a loss in value of the property but also the restriction of the short or long-term usability or use.

As experts we offer

damage surveys for residential buildings, commercial and industrial buildings, underground and multi-storey car parks, agricultural buildings and church buildings, preservation of evidence and condition checks,

building fabric tests with sampling, building moisture, temperature and air measurements, sensory material tests such as radar, INN etc. and

lab tests on.



Obstacles / relict building fabric

If construction is not carried out on a "greenfield site" but on areas with a history of use, obstacles and relict structures such as foundations, pipes, tanks and shafts etc. must be expected in the building ground. In most cases, as-built plans differ significantly from the actual state of the building. Unexpected obstacles mean additional costs and an increased expenditure of time during construction

As experts we offer

modern obstacle detection with radar, geoelectrics, seismics or impulse neutron neutron on open spaces as well as under buildings, material testing and condition assessment of obstacles and relicts,

measurement in the plan or staking out of obstacles and relict building fabric according to location, extension and depth as well as sampling with laboratory tests on.

