ENGINEERING GEOPHYSICAL SURVEYS DURING CONSTRUCTION AND OPERATION OF INFRASTRUCTURE FACILITIES

- Geophysical works during construction:
  - Quality control of manufacturing of driven, drilled, needle piles, soil-cement piles and piles manufactured by discharge impulse technique
  - Quality control of manufacturing of frame fillings of ditches (slurry-wall, impervious screens, diaphragms, etc.)
  - Quality control of artificial grouting
  - Quality control of manufacturing of foundation plates
  - Monitoring of changes of hydrogeological conditions and nature of boil processes near to ditches and constructional excavation
  - Manufacturing quality control of road carpets
  - Exploration of trenchless pipe- and cable-laying (horizontal directional drilling, micro-tunneling, piercing, etc.)
- Geophysical works during operation of facilities:
  - Study of probable causes of facility deformations
  - Search of leakages in water facilities
  - Study of negative industrial processes
- Environmental surveys:
  - Location of soil massif areas polluted by petroleum products
  - Determination of thickness of industrial deposits in reservoirs
  - Determination of industrial flooding nature of facilities

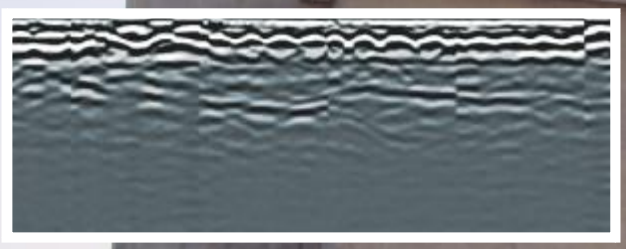
THE FOLLOWING EQUIPMENT IS APPLIED:

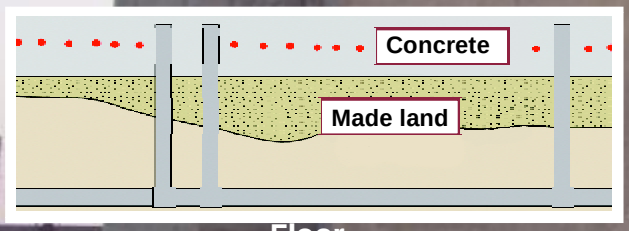
- IDS-1 Pile Testing Device
- OKO-2 Ground Penetrating Radar
- Borehole GPR Complex
- LAKKOLIT-X-3 Multichannel Seismic Station
- ERA-MAX Low Frequency Resistivity Instrument
- ERP-1 Electrical Instrument

5, Second Entuziastov Str., Bld.39 11024 Moscow Russia
Phone/fax: +7 495 641 2 641 info@geotech.ru www.geotech.ru

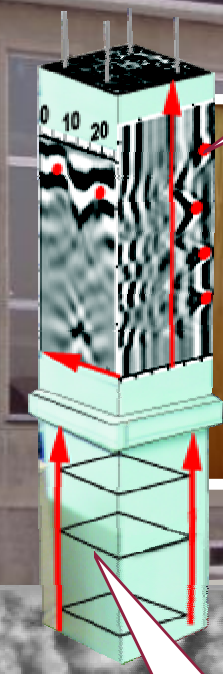
REINFORCED CONCRETE CONSTRUCTION

BUILDING INSPECTION

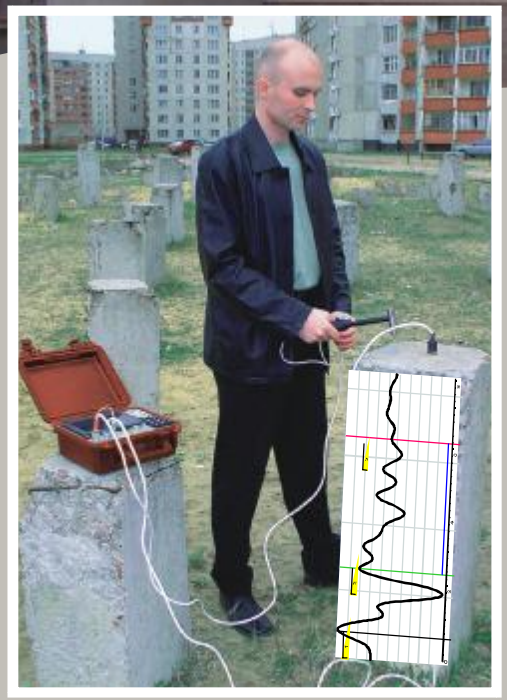




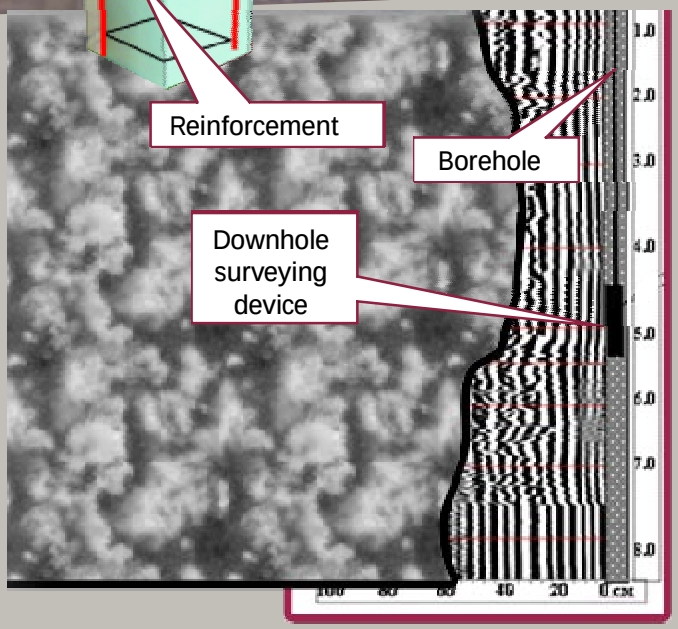
Floor



Walls



Pile length measurement



Borehole GPR

5, Second Entuziastov Str., Bld.39 11024 Moscow Russia
Phone/fax: +7 495 641 2 641 info@geotech.ru www.geotech.ru