

Our services

Our company has an unmatched geophysical instrumentation in Hungary. The measurements conducted with these help to solve many engineering-geophysical and geological problems:

- surveying of pipeline crossings below rivers
- riverbed and wreck surveying
- mud thickness and other riverbed anomalies
- detection of buried objects (i.e. hazardous waste)
- flood protection and embankment surveying
- archeological-geophysical investigations
- surveying the condition of concrete structures
- geological investigation and interpretation below special constructions (power plant, dam)
- geotechnical surveying
- determination of soil mechanical parameters
- cavity-, drain-, pipeline and cable investigations
- surveying the condition of roads
- delineation of soil contaminations
- geothermal exploration
- drilling of shallow boreholes
- environmental and geological exploration supporting remediation works
- water reserve exploration



Our philosophy...

... persuade yourself before persuading the Client!

Who we are?

Geomega Ltd was founded in 1992 by internationally acknowledged experts having many years of experience. Our main services include the implementation of engineering and shallow geophysical measurements as well as various subsurface geological exploration activities. The largest value of our company is considered to be the intellectual capital of our highly qualified employees as well as our unmatched geophysical instrumentation.

For more than 25 years ...

... we have been present in the hungarian and international geophysical market. During our hundreds of domestic and foreign projects we have solved many geological problems being key to the engineering design. For example, determination of the tunnel path of Metroline 4 below River Danube, geological investigations of the Paks Nuclear Power Plant, surveying of shipping routes on major European rivers and investigation of sedimentation of a mine pit in the Dominican Republic.

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GEOMEGA

FROM IDEAS TO IMPLEMENTATION



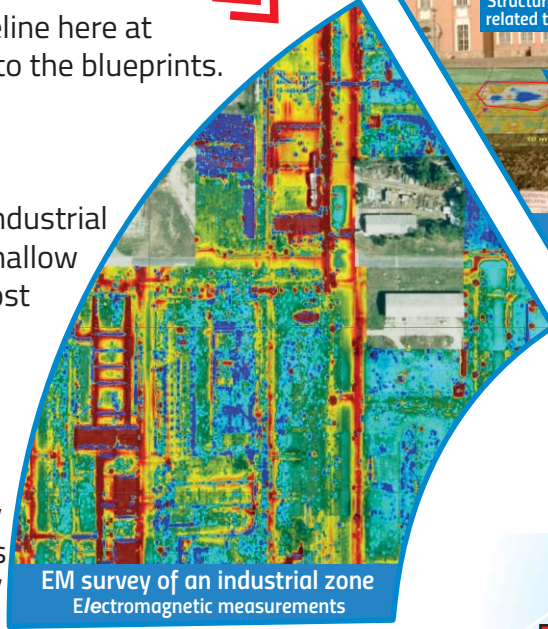
**Engineering geophysical
portfolio**

Investigation of buried objects, archeology

„There should be a pipeline here at 1-2m depth according to the blueprints. Is it really there?”

„There is a significant industrial contamination in the shallow zone. Which are the most affected areas?”

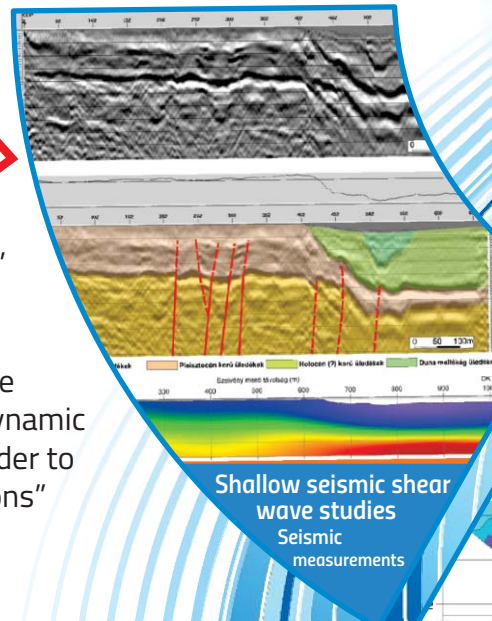
„Is there any particular area in this property, which is archeologically interesting and requires further investigations?”



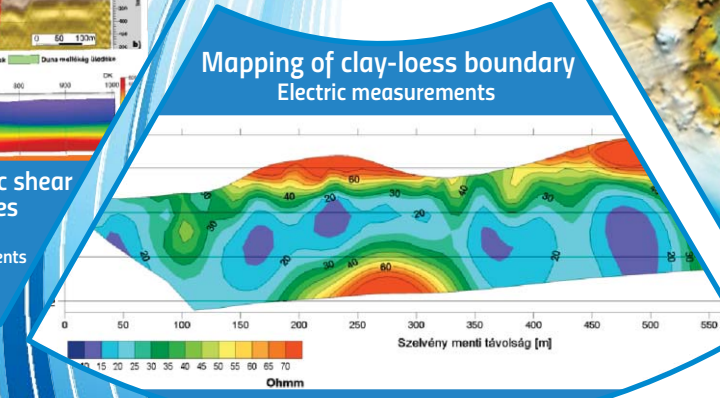
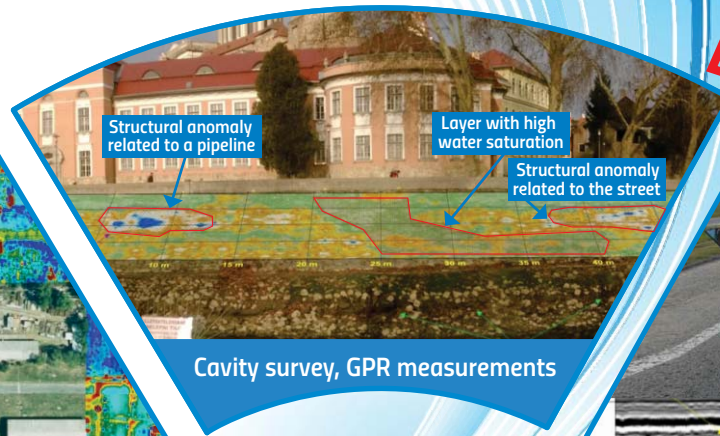
Subsoil investigations

„Are there any faulted structures down there?”

„Our engineers need the precise values of the dynamic subsoil properties in order to make reliable calculations”



„What is the depth of the bedrock? How deep shall we make the foundation if we were to build a building in this area?”



Cavity and pipeline detection

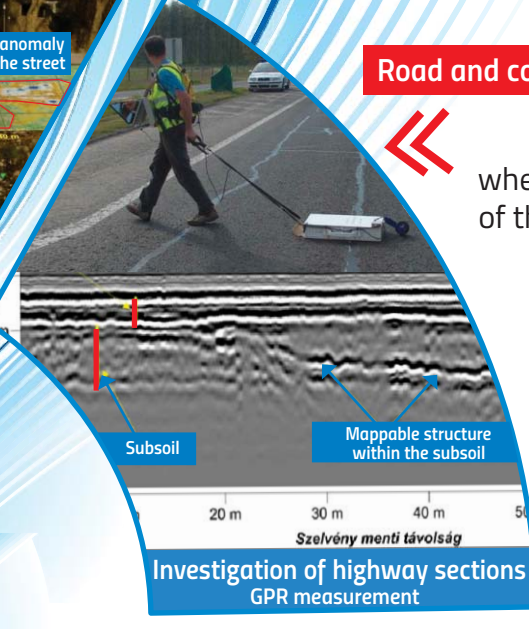
„Are there any cavities along the embankment?”

Road and concrete characterisation

„We would like to know whether the structural layers of this road have thicknesses according to the plans.”

„It would be great if one could reveal to us the internal structure of this reinforced concrete.”

„Part of this land is subsiding. What could be the reason?”



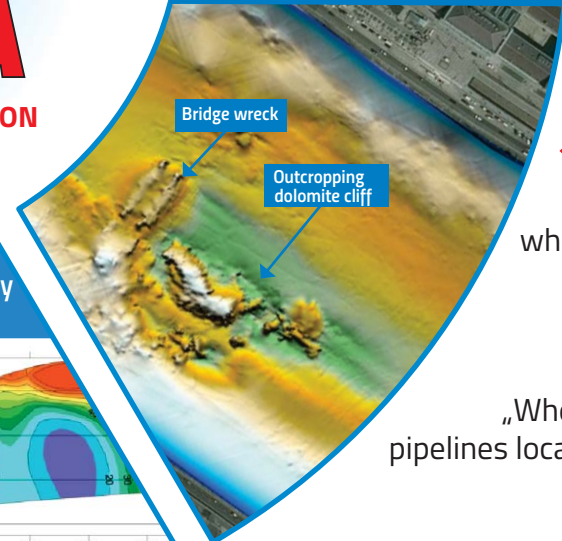
Investigation of the planned pathway of the M4 tunnel

Water seismic measurements

Riverbed surveys

„Is there any obstacle which could delay or prevent the drilling of the tunnel along this trajectory?”

„Where and how deep are our pipelines located below the riverbed?”



Water reserve, flood protection

„We would like to know the depth of the impermeable clay layer.”