

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



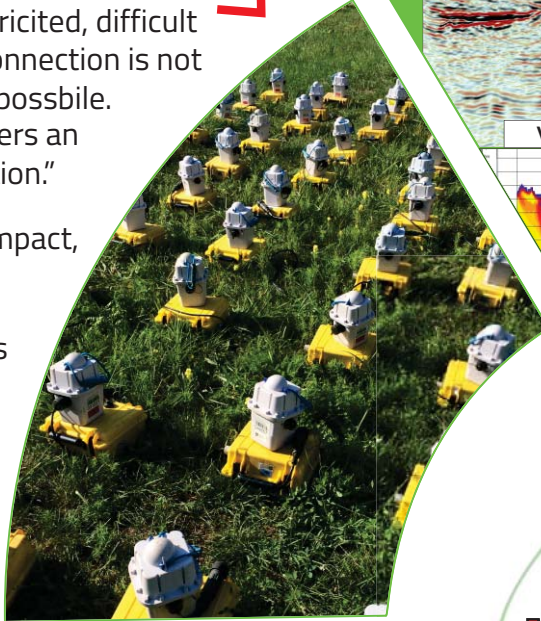
Seismic Surveying portfolio

Wireless Seismic Recording System

„The survey area has restricted, difficult to access parts. Cable connection is not practical, sometimes impossible. The wireless system offers an easy to implement solution.”

„Lower environmental impact, higher survey speed”

„Data collection modules can operate for several days without external battery.”

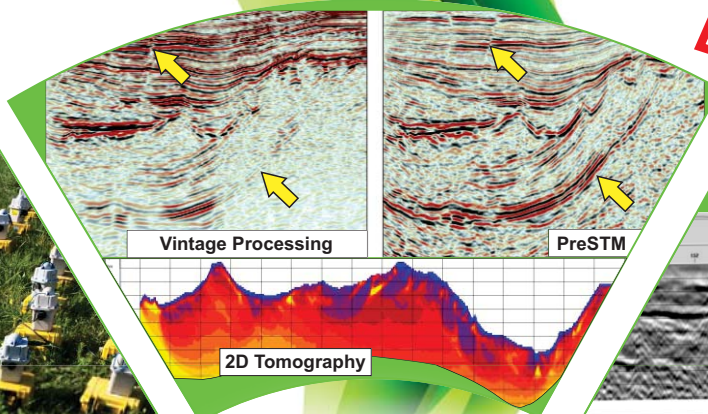
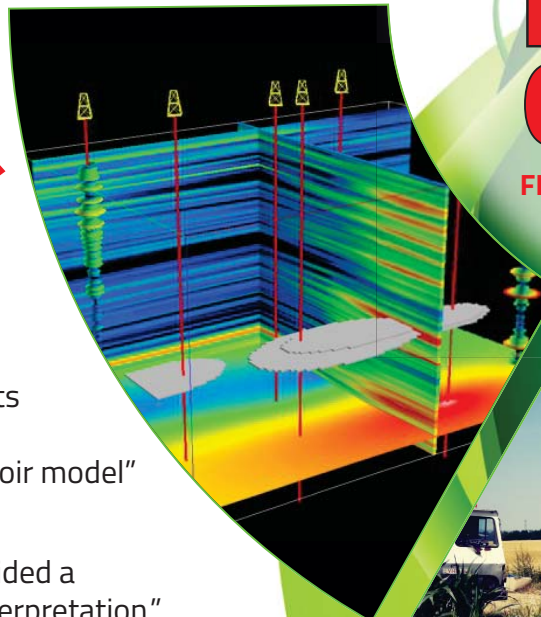


Quantitative Seismic Analysis

„AVO calculations reduced the risk before drilling.”

„Seismic inversion results were used during the fine tuning of our reservoir model”

„Seismic attributes provided a great support for our interpretation.”



Seismic Processing and Reprocessing

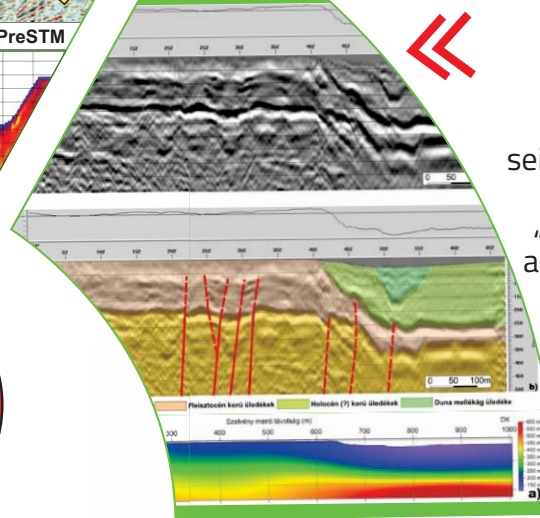
„Significant improvement after reprocessing. Another great job!”

Seismics for Engineering Geophysics

„Seismic velocities of the top 30 m layer are critical input parameters for seismic hazard assessment.”

„Depth to weathered layer and soil physical properties calculated with great precision for the entire area.”

„Are there hidden cavities in the subsurface?”

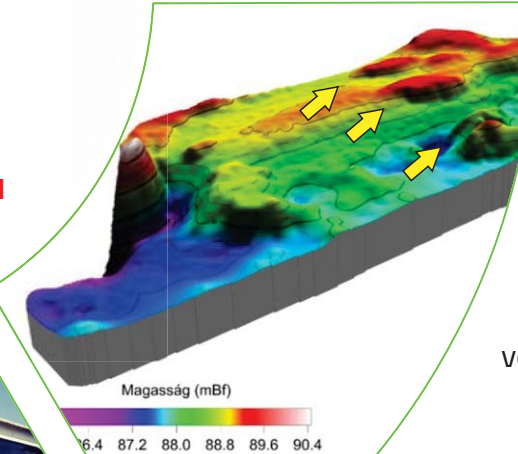


Offshore surveys

„Never seen details of the subsurface!”

„Mapping sludge and soft sediments at the water bottom is very important for planning and monitoring dredging.”

„Very detailed maps of the waterbottom, subsurface layers and objects buried in the sediments.”



High quality data collection and processing

„Geomega has a dedicated team with highly qualified experts and modern survey equipments.”

