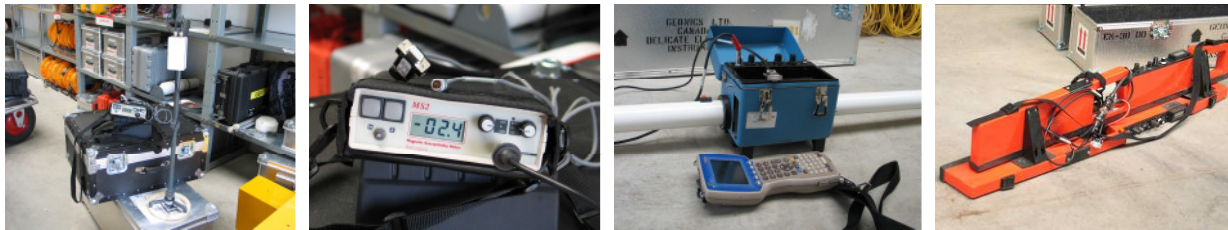




GART-2000® Professional Surveying Software Integrates GPS and Geophysical Sensors

Integration includes Barington MS2 Susceptibility System, Geonics EM31 and EM38-DD conductivity meters and professional GPS receiver into one, easy-to-handle field PC



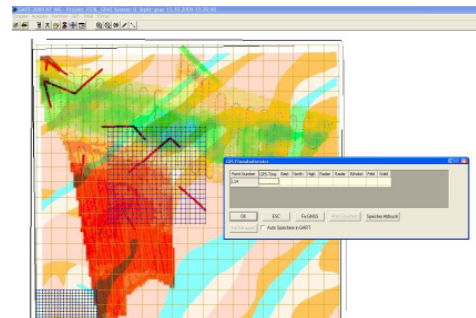
The EM31 and EM38-DD conductivity meters (by Geonics Ltd., Canada) and the MS2 susceptibility system (by Barington Instruments, UK) are standard instruments used by many geophysical workgroups today.

GART-2000® is a professional software package for the recording, processing and visual representation of geo-data, including GPS coordinates and data from EM31, EM38-DD, and MS2 geophysical sensors. Originating from surveying applications, GART-2000® has been developed for more than ten years by highly qualified software engineers. The software is operated on office or field computers, as well as in MS Windows® CE environments on lightweight Pocket PCs, optimised for mobile data recording.

GART-2000® greatly facilitates geophysical field work. The entire workflow is accelerated and becomes less prone to errors.

With **GART-2000®**:

- The definition and screen presentation of multiple grids facilitates identification and (re-)visits of sampling points
- Setting the GPS receiver to stake-out mode facilitates finding observation points
- Existing geophysical, soil, or topographical maps are overlaid with sampling grid(s) to facilitate visiting sampling points in fields, parcels, or lots
- GPS-receiver AND geophysical sensor are directly connected to the field PC
- Potential errors from using analogue field books for GPS or geophysical sensors are eliminated completely
- Mapped areas are tracked on screen in real time



**WORKS WITH ANY PROFESSIONAL GPS SYSTEM ON THE MARKET
INTEGRATION OF FURTHER GEOPHYSICAL SENSORS UPON REQUEST**

Reference

GART-2000® interfaces to geophysical sensors are developed in collaboration with UFZ - Helmholtz Centre for Environmental Research, Dept. Monitoring and Exploration Technologies (MET), as part of "WP1: Geophysical Platforms" of the European Commission collaborated project no. 211386 within the seventh Framework Programme (FP7):

**ISOIL – Interactions between soil-related sciences –
Linking geophysics, soil science and digital soil mapping**



www.isoil.ufz.de