

# GEOSECMA NT

Software Package

# GEODESY

**KORDAB**

# GEODESY

RESULTS WITH PROPER QUALITY  
AND TRACEABILITY

GEODESY

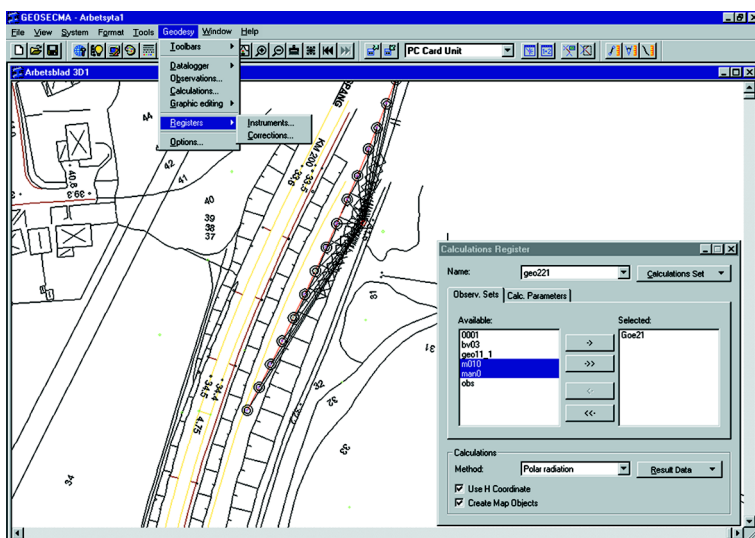
Geodesy is the software package required when mapping, creating design analyses, calculating volumes, settlement analysis and setting out. The rapid technological development in computing, communication, GPS, satellite images, lasers, machine control and geodetic measuring instruments has resulted in changed methods for the collection of data and setting out. In GEOSECMA NT the demands of the development can be met at the same time as the various requirements of users regarding precision, quality and source information can be satisfied.

KORDAB's clients are major consumers and producers of field data. GEOSECMA NT facilitates and supports the field work, for instance through new methods of coding and measuring. The measured complete objects are stored after calculation, graphic presentation and control in an object oriented database. With the central database as a foundation, products such as maps, drawings, map and terrain models, cross sections and vertical alignment drawings can be produced in the graphics. But the flow of information can also be reversed. Those objects that you want to transfer to data loggers or objects you need to single out for other purposes can be selected on your screen or directly in the database.

The Geodesy software package contains routines for managing data to and from data loggers, calculations, controlling and storing of objects in the database, net adjustment in plane and level, and GPS data. The Core Functions, see separate brochure, provide access to the general routines for managing maps and digital terrain models, communication links, drawing settings, graphic construction and CAD, drawings and GIS.

## GEOSECMA NT IS THE FOUNDATION

The Geodesy software package is a module in KORDAB's information system, GEOSECMA NT which also comprises software packages for design, construction and documentation of roads, streets, traffic, railways, pipes, underground cavities, ground models, green areas and real estate, as well as pavement management.



The central database facilitates close co-operation between colleagues. All data can be made easily accessible. The system is a multi-user system which means that several users can share, create and edit data within the same field of activity simultaneously.

The Windows environment, the data transfer routines and the central database facilitates interaction with supplementary software systems, for instance applications based on AutoCAD, MicroStation, MapInfo and ArcView.