

## THE SOLUTION FOR ALL GPS SURVEY DATA

# GNSS Studio

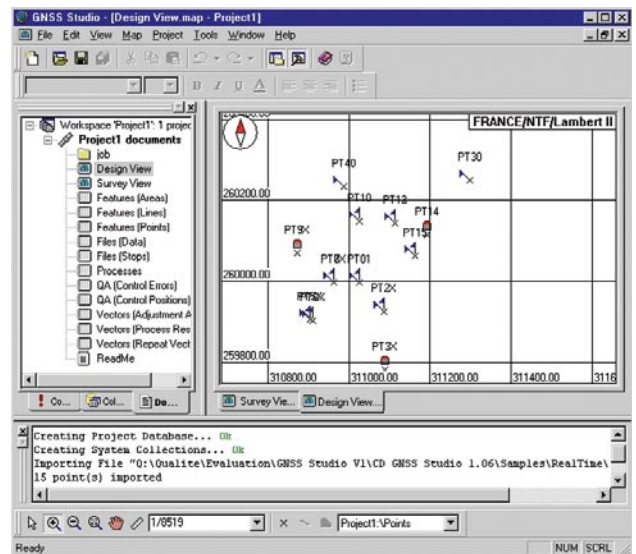
### A SINGLE PROGRAM FOR ALL APPLICATIONS

GNSS Studio™ software is the indispensable tool for all surveyors who need to efficiently and smoothly conduct their GPS surveys. The GNSS Studio post processing engine is based on an enhanced version of the powerful Ashtech Solutions™ data processing algorithms. The software supports a wide range of surveying applications, handling both real-time and post-processing data within the same project thus opening new horizons to surveyors.

### INTUITIVE HANDLING OF GRAPHICAL DATA

The GNSS Studio software is organized around a powerful database which holds all the data created or collected at different stages during user projects. Any collection of data can be viewed in different forms through simple drag and drop operations. The documents created include tables, maps or graphs and are all attached to the project.

Compatibility with the OpenGIS standard format allows easy data flow to numerous GIS software packages. Importing raster or vector map formats allows surveyors to open background projects and combine them with land survey projects.



### EASILY ADAPTABLE TO LOCAL REQUIREMENTS

GNSS Studio is available in four languages and can be easily translated. Numerous mapping projections and local coordinate transformations are available, allowing users to easily modify them according to their own needs. Users may create individual report files in order to comply with national standards.

### Applications

- Topography
- Geodesy
- Construction
- GIS surveys

### Main functions

#### Real-time survey

- Interactive communication with handheld survey controller
- Coordinate transformation using a large set of predefined coordinate systems
- Display and analysis of survey results
- Capability to import vector/raster images as background maps
- Data export (ASCII user defined, NMEA, CR5, CRD, DXF)
- Report generation (RTF documents)

#### Post-processing survey L1 & L1/L2

- Modes: Static, Rapid Static, Stop&Go Kinematic, Continuous Kinematic
- Occupations tab (Files vs. Time)
- Raw data plots
- Configurable quality assurance test
- Precise orbits
- Long baselines (up to 1000 km)

#### Network adjustment

- Blunder detection including Chi-Square and Tau tests
- Display of precision results in graphical form
- Testing network adjustment using control points

### Mission Planning Utility

- Importing and viewing sets of almanacs
- Prediction point easily defined using the graphical world map editor
- Numerous viewing options (schedule, range, doppler, elevation, azimuth, DOP)

### Receiver Commands Utility

- Enabling communications with a GPS receiver
- Sending commands to a GPS receiver
- Programmable GPS recorder

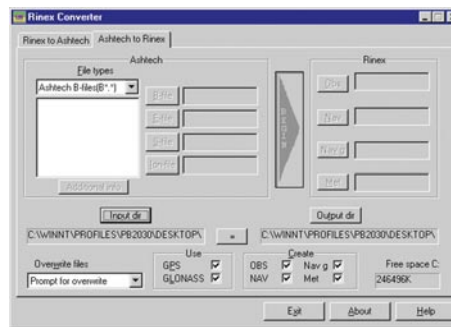
### Datum Transformation and Map Projection Utility

- Support of all major world projections
- Support of numerous national transformations
- Support of user coordinate calibration
- Intuitive loading of projection files into project and handheld controller

### Geoids Utility

- Selecting a geoid from a list of models
- Extracting regions from a geoid model
- Importing new geoid models
- Uploading a geoid model into a receiver

### Rinex Converter Utility

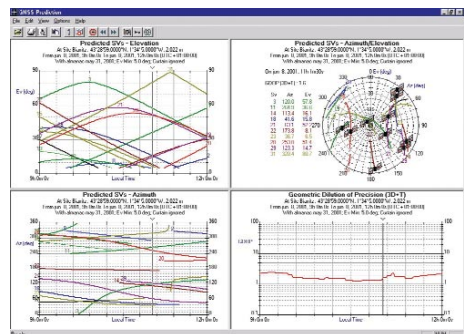


### System requirements

- Pentium 100 MHz or faster
- Operating system: Windows 9x / NT / Me / 2000 / XP
- RAM: minimum 32 MB, 64 MB recommended
- CD-ROM drive
- Recommended space on hard disk: 100 MB
- PCMCIA drive (if field data collected on PC cards)

### Languages Supported

- English
- French
- German
- Spanish



ID	Name	Description	East	North
1	PT01	sign	311025.348	259997.845
2	PT02	sign	311007.465	259926.626
3	PT03	sign	311007.700	259762.172
4	PT04	sign	310803.149	259905.637
5	PT05	sign	310811.342	259902.274
6	PT06	sign	310803.405	259987.408
7	PT07	sign	310863.451	259997.712
8	PT08	sign	310871.651	260070.662
9	PT09	sign	311025.521	260149.102
10	PT10	sign	311112.705	260144.076
11	PT11	sign	311112.750	260143.966
12	PT12	sign	311105.698	260114.241
13	PT13	sign	311103.885	260083.774
14	PT14	sign	311239.000	260250.000
15	PT15	sign	310807.000	260235.000

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