

FIELD CE

Advanced GPS/GIS Data Collection Software

To work on Windows CE PDA devices (such as Compaq Ipaq 38xx, Panasonic CF-01, etc.)



NESTED POINTS

A must-have powerful feature

Store Points along a Line or Area without “ending” the Line or Area Feature. For example, map a road as a dynamic line, also record traffic signs along the road.

FUNCTIONS

- Collects raw GPS data for differential correction
- Detailed, colorful BaseMap background data
- Store GIS Feature, Attribute, and Value
- Works with a GPS Plug-in module (CF Port), all CMT GPS units and most other GPS receivers
- Coordinate system conversion
- Interface with other GIS systems through PC-GPS and PC-Mapper
- RS232 input from Laser Gun & Bar Code
- Store Offset points when GPS signal is weak
- Traverse a series of points when GPS is not available

OFFSET

Multiple “shots” can be made from one GPS location

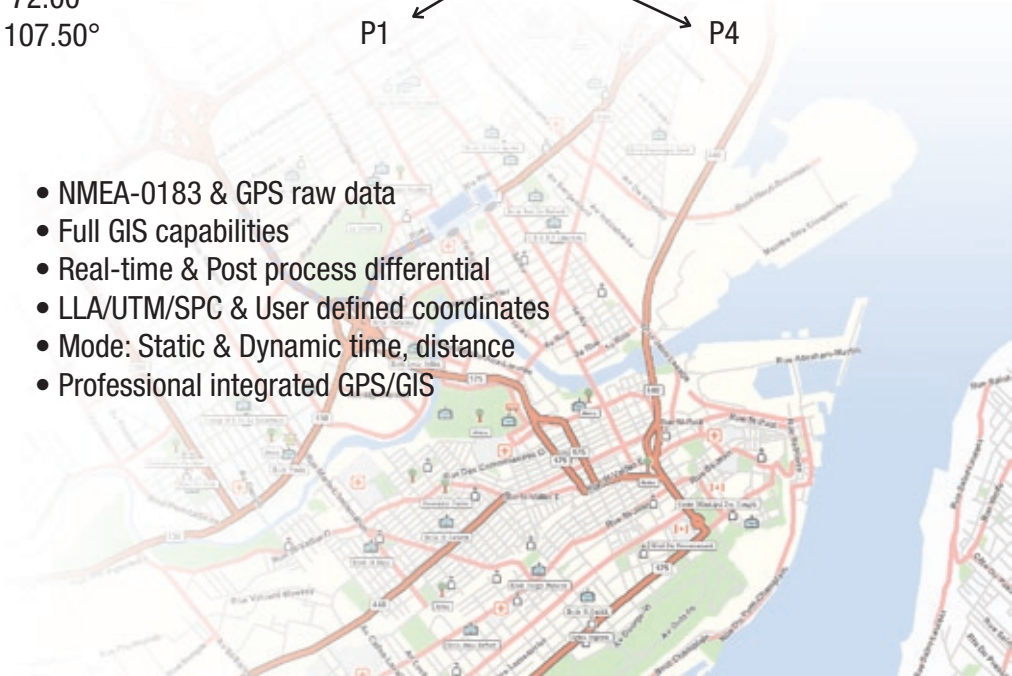
FROM	→ TO	SL.DIST	AZIMUTH
GPS	→ P1	120.00 ft.	241.30°
GPS	→ P2	126.50 ft.	288.80°
GPS	→ P3	87.00 ft.	72.00°
GPS	→ P4	112.20 ft.	107.50°



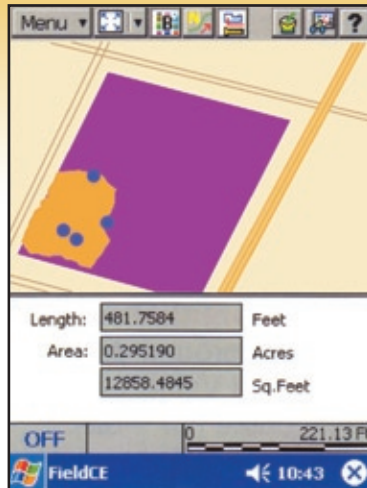
HIGHLIGHTS

- ESRI shape file support
- NEZ plane support
- Offset & Traverse
- Nested points
- Instant coordinate update
- Distance & Area measurement

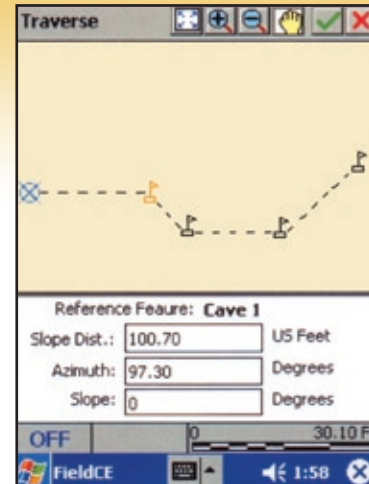
- NMEA-0183 & GPS raw data
- Full GIS capabilities
- Real-time & Post process differential
- LLA/UTM/SPC & User defined coordinates
- Mode: Static & Dynamic time, distance
- Professional integrated GPS/GIS



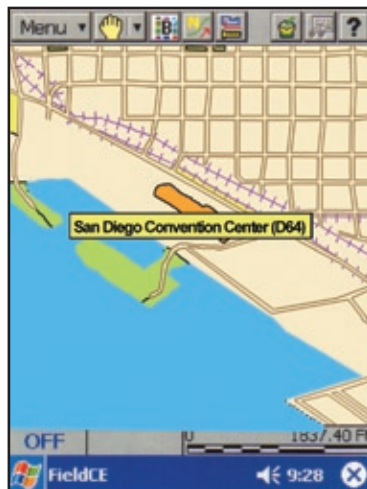
Click a button to show length and area for the selected feature



Traverse a series of points when GPS signal is not available



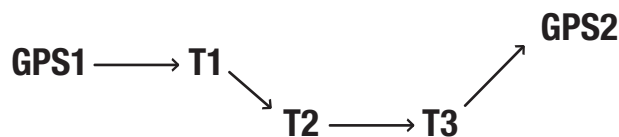
Field CE provides a complex GIS database on-board



TRAVERSING - AVAILABLE ONLY FROM CMT

GPS OK at GPS1, but then GPS signal loss occurs. Enter traverse data from GPS1→T1, T1→T2, T2→T3, and T3→GPS2. Receiving GPS signal at GPS2 lets you start GPS mode again.

FROM → TO	SL.DIST	AZIMUTH
GPS1 → T1	100.70 ft.	97.30°
T1 → T2	91.50 ft.	130.00°
T2 → T3	133.00 ft.	85.00°
T3 → GPS2	115.30 ft.	41.50°



THE NEZ PLAN - A NECESSITY IN PROFESSIONAL PACKAGES

Merge traditional Northings and Eastings on a local plane, with GPS data (latitude/longitude)

Pick any point on the survey and assign 1000N, 1000E as its coordinates. Go to that point and record a GPS position (shown at A). To produce the correct orientation and scale, pick one other point and record a GPS position (shown at B).



B)	GPS Control:	44° 33' 30.168457" N
	NEZ Control:	123° 18' 31.679077" W
		1543.417N, 1024.9288E
A)	GPS Control:	44° 33' 24.79889" N
	NEZ Control:	123° 18' 31.761475" W
		1000.000N, 1000.000E



GENEQ inc.

8047 Jarry E., Montréal, Qc, H1J 1H6

Tel.: (514) 354-2511 • 1-800-463-4363

Fax: (514) 354-6948 • E-mail: info@geneq.com

INTERNET
www.geneq.com