Advanced GPS/GIS Data Collection Software for Pocket PC PDA devices

Field CE GIS Supports
- Shapefiles and image data
- Detailed, colorful BaseMap background data
- Wireless GPS and other data collection
- Distance and Area measurements on the spot
- Interface with desktop GIS
- Offset points or Traverse points when GPS signal not available
- Images: load aerial photos or topo maps in the background
- Storage of GIS Feature, Attribute, and Value data
- Point/Line/Area symbol and pattern libraries
- Coordinate system conversion on the fly

Pricing
CMT Field CE GIS software: $985.00 + S/H
Bluetooth GPS Receiver: $150.00 + S/H

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.

Radial Traverse - multiple ‘shots’ can be made from one GPS location

<table>
<thead>
<tr>
<th>FROM → TO</th>
<th>SL. DIST</th>
<th>AZIMUTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS → P1</td>
<td>120.00 ft.</td>
<td>241.30°</td>
</tr>
<tr>
<td>GPS → P2</td>
<td>126.50 ft.</td>
<td>288.80°</td>
</tr>
<tr>
<td>GPS → P3</td>
<td>87.00 ft.</td>
<td>72.00°</td>
</tr>
<tr>
<td>GPS → P4</td>
<td>112.20 ft.</td>
<td>107.50°</td>
</tr>
</tbody>
</table>

Highlights
- Raster & Vector
- NEZ Plane Support
- Offset & Traverse
- Nested Points
- Instant Coordinate update
- Length & Area Measurement
- NMEA-183 & GPS raw data
- Heads-Up Digitizing
- Real-Time & Post Process Differential
- LLA/UTM/SPC & User Defined Coords.
- Logging Mode: By time, By 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

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.

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<th>FROM → TO</th>
<th>SL. DIST</th>
<th>AZIMUTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS1 → T1</td>
<td>100.70 ft.</td>
<td>97.30°</td>
</tr>
<tr>
<td>T1 → T2</td>
<td>91.50 ft.</td>
<td>130.00°</td>
</tr>
<tr>
<td>T2 → T3</td>
<td>133.00 ft.</td>
<td>85.00°</td>
</tr>
<tr>
<td>T3 → GPS2</td>
<td>115.30 ft.</td>
<td>41.50°</td>
</tr>
</tbody>
</table>

**The NEZ Plane – 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).

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