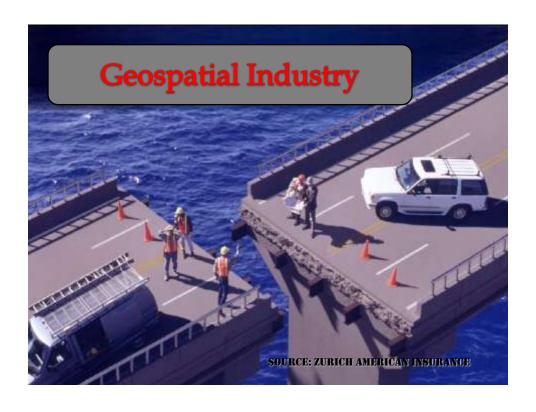


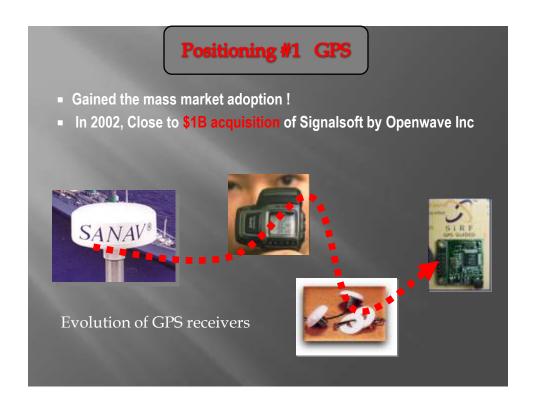
Innovations 1876 Telephone 1980 FAX 1995 Internet 2000 e-commerce 2002 m-commerce 2005 L-commerce

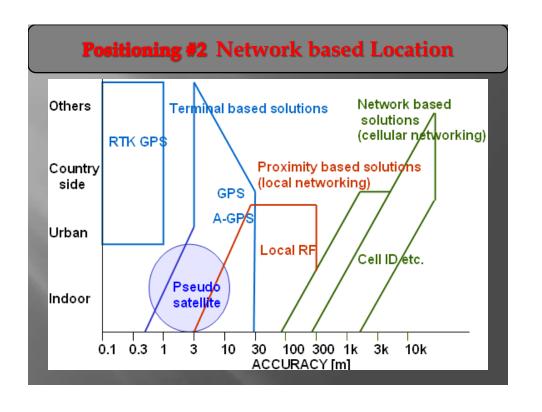
Market Call

"U.S. Department of Labor identified geotechnology as one of the three most important emerging and evolving fields, along with biotechnology and nanotechnology."

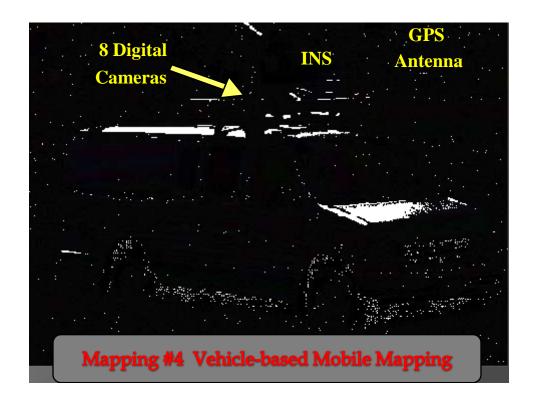
- January 22, 2004 issue of Nature

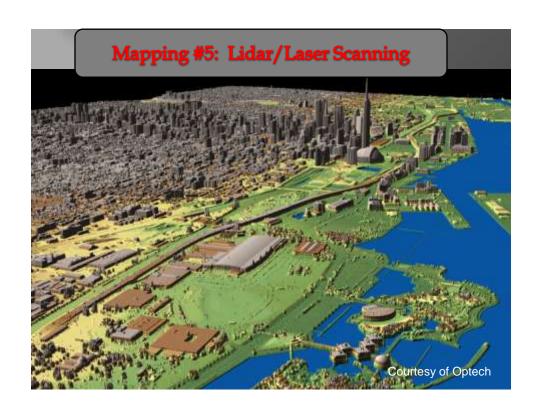














GIS #7: Data Centered GIS

- Major developments in Ex-R and O-R data models
- □ Oracle Spatial, IBM DB2, Informix, ESRI SDE, MapInfo SpatialWare , ...

Oracle: No GIS anymore but databases

GIS #8: Componentized GIS

- plug 'N play software components
- Intergraph Geomedia, ESRI MapObjectsMapInfo MapX, ...
- Microsoft MapPoint (\$299)

Microsoft: Nothing is special about GIS

