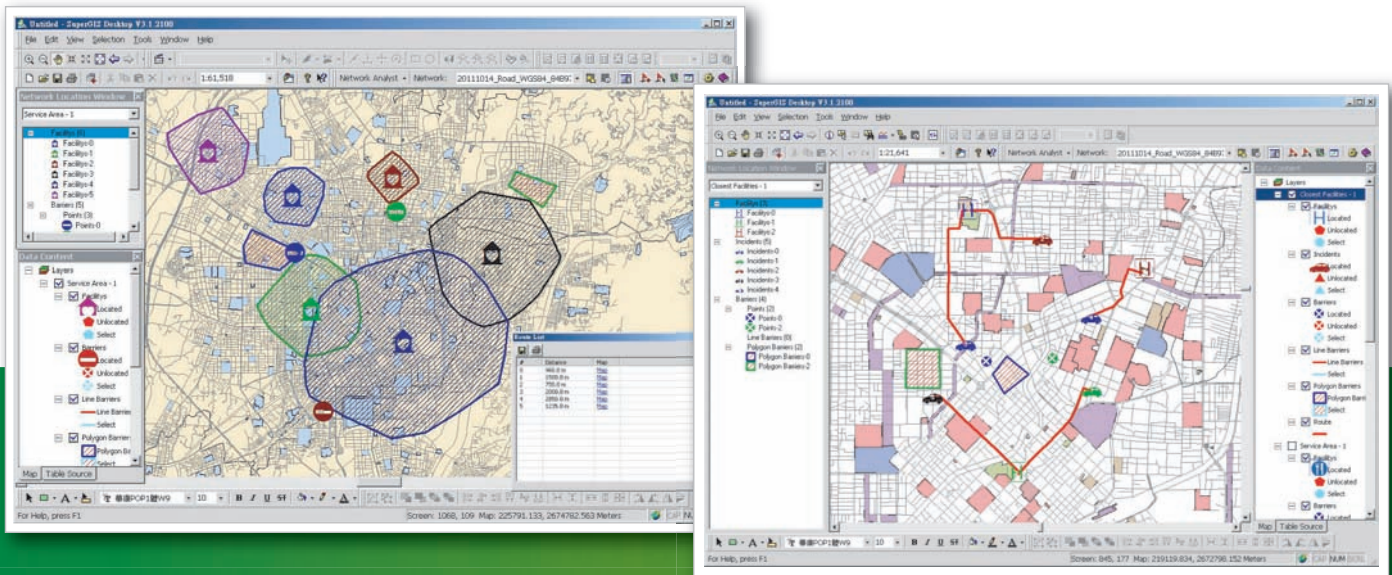
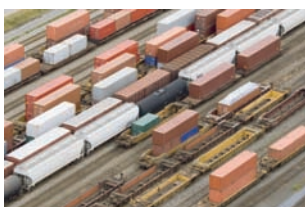


SuperGIS Network Analyst 3



Using SuperNetObjects 3 as the core, SuperGIS Network Analyst 3 provides 7 main types of network analysis methods to facilitate your network operation and analysis.

With SuperGIS Network Analyst 3, you can obtain the required analytic results, such as optimum routes or the best locations, to easily solve the network problems in a variety of applications, including transportation, tourism, logistics, retail businesses, etc.



Key Features of SuperGIS Network Analyst 3 :

- Fulfill diverse requirements with powerful network operation & analysis tools
- Support hierarchy settings for more realistic route planning results
- Use Time Window to set service time or unavailable time for each location
- Support Direction Window to list the route results and maps in details
- Establish the connection among roads, spatial relationship & related attribute data

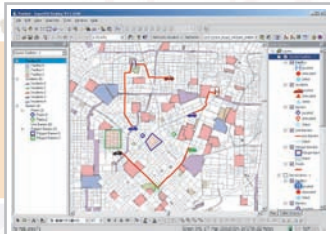
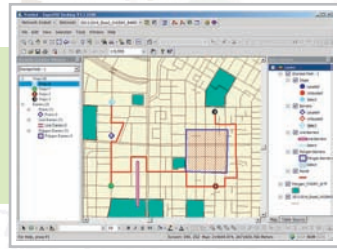
Applications:

- Tourism
- Transportation
- Route Planning
- Pipeline Configuration
- Facility Management
- Warehouse & Logistics
- Site Location Selection
- Pipe & cable installation allocation

7 Main Functions of Network Analysis

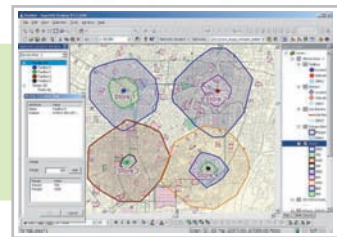
● Shortest Path

Enable users to find the shortest path among single points and multiple points, to import files of different Weight settings, and to set up barriers on the map straightly.



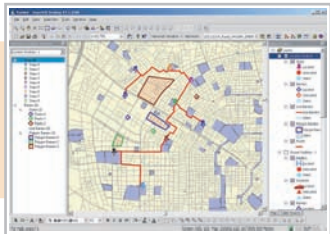
● Closest Facility

Support users to mark the point (event) with cursor to search for the closest facilities on the map and obtain the searching result of the relevant attribute data in a table format.



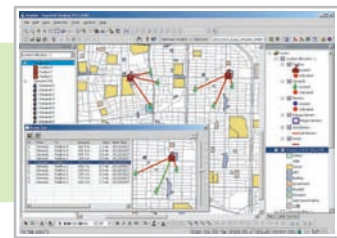
● Service Area

Allow users to set up service area and searching range of different extents for the chosen facility. Users can calculate by time or distance unit and the result will be shown as road tree for clear demonstration.



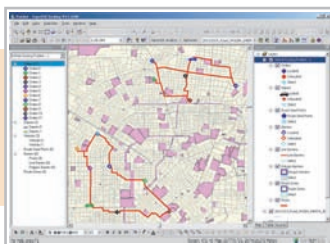
● Location Analysis

Offer 3 types of analyses, which are Minimum Spanning Tree, Center Problem, and Median Problem. Users can easily mark the Flags and Barriers on the map and present the results in tables.



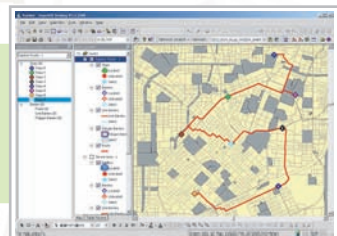
● Location Allocation

Support 3 problem types: Minimize Impedance, Maximize Coverage, and Maximize Attendance. Users can allocate the facilities with the lowest cost to each demand point.



● Vehicle Routing Problem

Support to find out the best route schedule with various settings, such as weight values of travel time, early arrival time, and vehicle loading. The extension also supports Route Zones and Seed Points.



● Superior Route Planning

Support users to plan the superior route according to costs and needs. There are five algorithms, including Nearest Neighbor, Farthest Insertion, Sweep, Simulated Annealing, and Genetic Algorithm.

● Supported File Formats

Support GEO and SHP formats.

● System Requirement

Windows 2000/ XP/ 2003/ Vista/ 2008/ 7 (32/64bit)