

SuperWebGIS 2.1 Software Specification

Specification Description

System manipulation function

- With simple wizard guide to help constructing and designing web and enable to preview already designed web
- Provide web template by default or customize as individual need
- HTML users do not need plug-in program to review layer
- Client site can use simple HTML Viewer to make several functions
- Users can define functions of floating Map Tip on their own
- Set up maximum / minimum scale of layer
- Support map label along the line and enable to set up character direction and alignment
- Provide functions of map attribute display and sketching legends
- Provide attribute and spatial data inquiry functions

Spatial analysis function

- On-line file measure function
- Support for Client site on-line using spatial buffer analysis function
- Enable to adjust transparency of layer for overlapping analysis
- Support for selecting features by geometry
- Support for selecting features by attribute condition inquiry

Customization capability

- Support developing tools including Macromedia Cold Fusion, Microsoft Active Server Pages, Microsoft ASP.NET, HTML/DHTML, JavaScript, XML, Java and Java Server Pages
- Support for dynamically adding several temporary layers in server site from network client site to map service
- Open layer support interface, and via customization to support user-defined layer file format
- Equipped with Map Note function to communicate with server site
- Provide several client site ActiveX components and contain complete Active object framework chart for more flexible customization capability of Web-GIS

- Provide abundant customized sample codes of client site ActiveX components

Set up map

- Provide map panning and zooming in/out by selecting certain range or clicking
- Users can customize symbol for data display
- Make scale and compass

Print and export map

- Print map
- E-mail map
- Support exporting file types with PNG, GIF and JPG formats; among them JPG can set up exporting quality.

System management

- Enable to set up to save map settings as a project for following usage
- Built in service and website management functions
- Support to build several websites using same map service by Designer
- Built in independent monitor program enables to detect Mapper linking status, and to set up sending E-Mail when linking abnormally
- Support for starting system service function upon map opening, enabling to auto read settings and to open service upon system opening
- Support multi-servers framework, enabling to perform Load Balance and backup mechanism for high availability of system
- Support Multi-Thread, contributing to more effective usage of system resource and improving overall system operative efficiency
- Support on-line setting service, enabling users to set up service types of server site from remote site
- Support SNMP

Internet map cache service

- Incorporate with latest web technology (internet map cache service)

to greatly speed up entire map browsing.

- Web in Ultra version provides IndexMap window function.
- Web in Ultra version supports for map zooming in/out by mouse roller manipulation of IE.

Support file format

- Support GEO file format (SuperGeo GEO Format), enabling greatly improvement on mapping efficiency. Also support vector format in Shapefile
- Support world commonly-used image format files such as layers of LAN, GIS, GeoTiff, ECW and MrSID
- Add Data Conversion Tool of layer for users to convert among different formats of vector data, available vector formats including GEO, SHP, MIF, DXF, DWG, DNG, E00, SEF, GML, KML and BNP(cadastral format)

Support OGC standard

- Conform to OpenGIS specifications below :
 - ◆ Simple Features Specification For OLE/COM (SFO) 1.1
 - ◆ Web Map Service (WMS) 1.1.0、1.1.1、1.3.0
 - ◆ Web Feature Service (WFS) 1.0.0、1.1.0
 - ◆ Geographic Markup Language (GML) 2.0、3.0、3.1.0
- Provide quickly issuing network map service of OGC WMS type via guide interface of Designer
- Provide testing page to preview already built WMS map image including attribute control page of Layers of WMS 1.3.0

User interface and environment

- Chinese and English manipulation interface
- Complete Chinese and English manual
- Provide web design sample application

System Requirement

- CPU: Pentium II 266 or above
- RAM: 256 MB or above
- Operation system: Windows 2000/Windows XP/Windows

2003/Windows Vista

- IIS : 5.0 above
- .Net Framework 1.1 above (required by Ultra version)
- Internet Explorer : 5.0 above