

Cadcorp SIS Internet Developer Kit (IDK) and Active Server Component (ASC)



The power behind Cadcorp SIS based Internet applications

Cadcorp SIS - Spatial Information System - web-based GIS applications are created with the Cadcorp SIS Internet Developer Kit (IDK) and deployed using any one of the Cadcorp SIS Active Server Component (ASC) licence packs.

Cadcorp SIS Internet Developer Kit (IDK)



Includes all the necessary tools to create and test web-based GIS applications.

The IDK includes a Cadcorp SIS Map Modeller Developer licence - the "GIS powerhouse" - with comprehensive GIS format support, thematic mapping, and complex analysis such as routing and querying, plus support for 1000 hits per hour on the web server.

Internet applications are written with the IDK and Microsoft ActiveX Data Objects (ADO), combining Cadcorp SIS mapping technology with database retrieval.



Image courtesy Ernst & Young UK

Key Aspects of Cadcorp SIS ASC



Cadcorp SIS Active Server Component (ASC) extends the functionality of Cadcorp SIS for use over the Web. Unlike some rival systems, ASC is not a map-publishing tool for pre-designed images, but a dynamic solution capable of using all of the functionality of the Cadcorp SIS engine for real time map interaction. This is fundamentally important where access to ever-changing GIS data is required.

Cadcorp SIS ASC applications can be delivered as an ultra-thin client, immediately accessible in any HTML browser. Users need not download special browser "plug-ins" to run an application.

Developers can, if they wish, create JAVA based "wrappers" to further embellish their web-based solutions.

Additional licence packs are available to offer extended web server hits per hour. With full server scalability, any Cadcorp SIS ASC application can be supported from departmental intranet to global Internet applications.

Of interest to organisations with multiple datasets to serve, Cadcorp SIS ASC reads and displays over 45 data formats - including ESRI SHP, MapInfo MIF, MicroStation

DGN, AutoCAD DWG,

DWF and DXF

Ordnance

Survey NTF

and many

others - thus

avoiding any

conversion to

proprietary for-

ats when developing

a web-based GIS application.

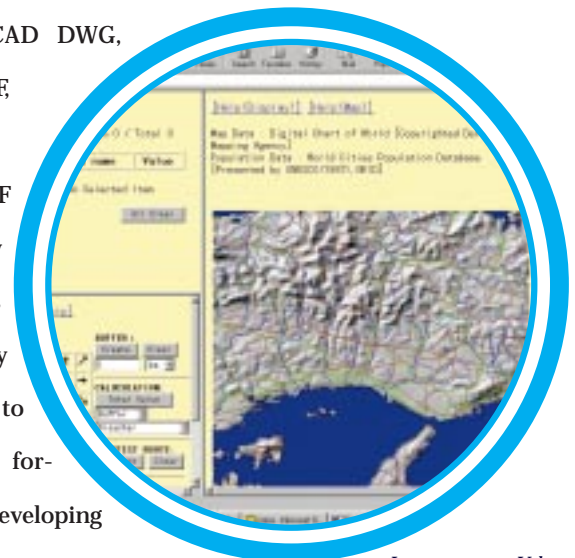


Image courtesy Urban Disaster Research Centre, Japan

Ryde City Council, Australia chose Cadcorp SIS ASC to deliver DWG files for the street atlas grid, and air photo TIFF images. Property data is stored in Microsoft Access. Copyright © Land Information Centre (2000).



OpenGIS

Cadcorp invests significant time and resources in the activities of the Open GIS Consortium. This is an international initiative aimed at defining a comprehensive suite of open interface specifications for GIS.

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Cadcorp SIS is certified "OpenGIS conformant" for GIS vector data structures (Simple Features) and supports raster image handling (Grid Coverages) and Coordinate Transformation.



Cadcorp has an ongoing commitment to OpenGIS - its aims and



objectives.

The Cadcorp SIS Product Family

Cadcorp SIS is a comprehensive suite of GIS products, all based around a single software engine.

- Cadcorp SIS Map Viewer
- Cadcorp SIS Map Manager
- Cadcorp SIS Map Editor.
- Cadcorp SIS Map Modeller
- Cadcorp SIS CDM Viewer
- Cadcorp SIS CDM Manager
- Cadcorp SIS CDM Modeller
- Cadcorp SIS Software Development Kit (SDK)
- Cadcorp SIS Internet Developer Kit (IDK)
- Cadcorp SIS Active Server Component (ASC)
- Cadcorp SIS Enterprise Developer Kit (EDK)

Cadcorp SIS Map Viewer key features	●
Cadcorp SIS Map Manager key features	●
Cadcorp SIS Map Editor key features	●
Cadcorp SIS Map Modeller key features	●

Over 45 GIS and database formats supported	●	●	●	●
Database links including Oracle 8i, Microsoft SQL Server, Excel... (via OLE2)	●	●	●	●
Links to Word, Excel... (via OLE2)	●	●	●	●
Print wizards	●	●	●	●
Thematic mapping	●	●	●	●
OpenGIS conformant for simple features	●	●	●	●
Programmers version available (ActiveX)	●	●	●	●
250 Co-ordinate systems and transformations		●	●	●
Data creation and editing		●	●	●
Customisation using MS Visual Basic		●	●	●
Topology creation and editing			●	●
Advanced data creation and editing			●	●
Advanced thematic mapping				●
Creation of 3D views and terrains				●

Summary

- Access to the power of Cadcorp SIS V5 functionality allows simple queries to complex analysis
- Applications are created and tested in the IDK where everything is included to get started and run a web-based GIS application
- Direct reading of GIS data formats means no data conversion saving time and money
- Standard Microsoft technology assures a familiar development environment; no new languages to learn
- No client-side plug-ins ensures easy access to applications from various browser platforms with little end user training
- Scalable licensing allows managed growth
- Proven in corporate intranet and Internet implementations worldwide

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