

# Cadcorp SIS Map Editor



The ultimate spatial data creation, maintenance and editing tool

## Map Editor

Cadcorp SIS Map Editor is the professional GIS package for the experienced user, operating independently, or within a departmental or enterprise-wide framework.

The Map Editor builds upon the GIS functionality available within the Cadcorp SIS Map Manager to include advanced geometric construction and editing, topology, and links to relational database management systems. Map Editor is specifically designed for the demanding user tasked with the role of capturing and maintaining spatial data.

## Data Access

Map Editor supports over 50 GIS and database file formats, including ArcView Shapefiles, SDTS, MapInfo TAB, MapInfo MIF/MID, DXF, DWG, Ordnance Survey NTF & Mastermap, FME, XML and GML, GeoTiff, MrSID, ECW, Oracle 9i Spatial and many more.

For the latest listing of supported data formats, visit our web site at [www.cadcorp.com/formatlist.htm](http://www.cadcorp.com/formatlist.htm)



The Cadcorp SIS Base DataSet format (bds) allows the combination of all geometric features - points, lines, polygons, images and text - within a single file. This means that separate files for different geometry types are not needed.

The new Cadcorp SIS Shared DataSet format (sds) allows

the combination of all geometric features within a single file and allows multi-user editing.

With over 250 map projections available, users can combine diverse datasets in multiple projections and create new composite views without modifying the original underlying data.

In addition to file-based GIS data storage formats, several advanced data storage solutions are included:

- Binary Large Objects (Blobs) offer a way to store both graphics and tabular information in a Relational Database.
- Direct links to Oracle 8i Spatial relational and object models enable open integration with other applications.
- Direct links to Informix Spatial Datablade enable open integration with other applications.
- Support for OpenGIS SQL92.
- Database connectivity is made swift and easy using the new support for Active X Data Objects (ADO).
- For rapid data collection, input from GPS receivers and other sources can be displayed by Map Editor in real time.

## GIS with advanced geometric editing - not CAD software with add-ons!



Unlike rival software in its class, Map Editor was built from the ground up as GIS software. Rather than being a standard CAD system with an added GIS "flavouring", Map Editor offers a working GIS environment with 64 bit high precision data storage, plus advanced tools for geometric editing to assist the user in creating,



locating and editing graphical entities on the map. In particular, Map Editor provides the user with tools appropriate to mapping, such as item snapping, creating offsets, working within a grid, trimming, rotating, and keying-in values. These commands are all available from pull-down menus and tool palettes.

## Topology

Map Editor supports topology - intelligent data that understands connectivity and adjacency - whether in existing data or that created by the user. Where two adjacent land parcels need to truly share a boundary, or a linear network needs to be structured, topology is the key to modelling the real world. Cadcorp SIS Map Editor excels at swiftly creating clean and valid data, crucial in achieving effective geospatial models.

## Map Presentation

Map Editor can display maps at any scale and provides a comprehensive range of pan, zoom and view commands for easy map navigation. Each overlay can be assigned a scale threshold to control when and how data is displayed.

Map Editor features special Cadcorp SIS tools: the Roamer and, new for V6, Continuous Panning.

The Roamer is a powerful magnifying glass viewer which enlarges just the area of the map the mouse is passing over. Continuous Panning achieves a swift, smooth rolling pan across your basemaps without displaying intermediate white space or forcing the software to redraw.

A rich set of Thematic Mapping tools are Wizard driven, so that even a novice user can produce maps to help reveal patterns in data previously unnoticed.



## Querying

A query builder Wizard allows the user to build a query by picking items from a list. Experienced users can create complex, nested formulae for advanced analysis.

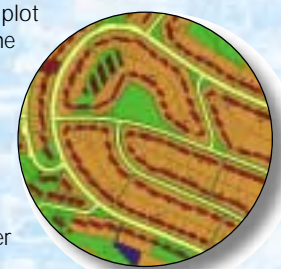
Sometimes a quick reminder of a feature's value is all that is needed. For those 'on-the-fly' queries, MapTips™ can do the job. By simply moving the mouse over a feature, a user-selected item from the tabular data is presented.



## Output

Map Editor includes the Cadcorp SIS "Print Wizard", providing users with unrivalled plot creation capabilities. The Wizard allows the user to modify map orientation, titles, north points, frames, graticules, scale bars and legends to produce exactly the map you want.

Map Editor is fully integrated with Microsoft Windows environment, allowing the linking and embedding of maps in other Microsoft Windows documents.





## OpenGIS

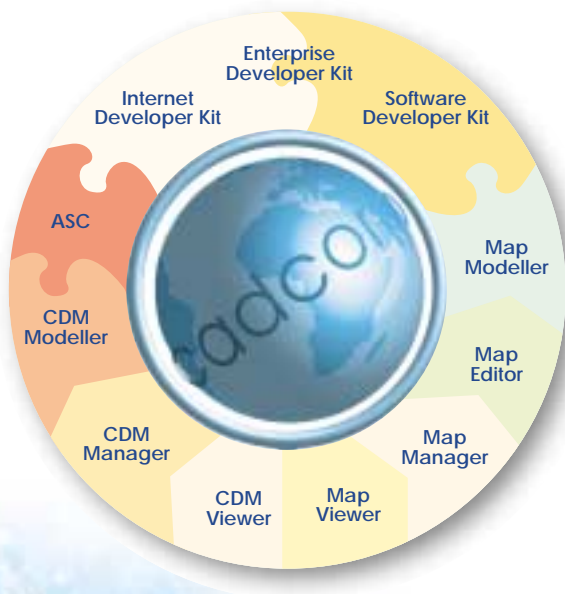


Cadcorp invests significant time and resources in the activities of the Open GIS Consortium. This is an international initiative aimed at defining a comprehensive suite of open interface specifications for GIS. Cadcorp SIS is certified "OpenGIS conformant" for GIS vector data structures (Simple Features) and Co-ordinate Transformation. Cadcorp SIS also embraces the OpenGIS Interfaces for raster image handling (Grid Coverages) and Web Mapping (Testbed and Servers).

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 and runs on Windows 95, 98, NT4, Me, 2000 and XP.



- Cadcorp SIS Map Viewer
- Cadcorp SIS Map Manager
- Cadcorp SIS Map Editor
- Cadcorp SIS Map Modeller
- Cadcorp SIS Software Development Kit (SDK)
- Cadcorp SIS CDM Viewer
- Cadcorp SIS CDM Manager
- Cadcorp SIS CDM Modeller
- 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 50 GIS and database formats supported	●	●	●	●
Database links including Oracle 9i, Microsoft SQL Server, Excel	●	●	●	●
Links to Word, Excel	●	●	●	●
Print wizards	●	●	●	●
Thematic mapping	●	●	●	●
Certified OpenGIS conformant	●	●	●	●
Programmers version available (ActiveX)	●	●	●	●
250 Co-ordinate systems & transformations		●	●	●
Data creation and editing		●	●	●
Customisation using MS Visual Basic		●	●	●
Topology creation & editing			●	●
Advanced data creation & editing			●	●
Advanced thematic mapping				●
Creation of 3D views & terrains				●

## Summary

Cadcorp SIS Map Editor provides a comprehensive range of advanced tools for the GIS data custodian. Map Editor allows users to examine, project, edit, clean and merge a variety of information – from virtually any source, be it from other GIS software, CAD systems, scanned images or 'heads-up digitising'. Map Editor can be used stand-alone or as part of a departmental or enterprise-wide solution – working with any of the other products within the Cadcorp SIS suite.

Cadcorp SIS Map Editor is the tool of choice for geospatial data creation, editing and maintenance.

computer aided development corporation



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