

The ultimate spatial data creation, maintenance and editing tool

Cadcorp Map Editor

Cadcorp SIS - Spatial Information System V5 is a family of end-user and developer Windows based GIS products. Map Editor provides the GIS data custodian tools to view, manage and edit map and tabular data. Including all of the capabilities of Map Manager, Map Editor is designed for those tasked with the professional role of adding new or updating existing map data.

Data Access

New data may come in many forms. Design data may arrive in CAD formats like DWG or DGN. Population or demographic data may arrive in shapefiles. These and many other data formats all play a role in today's GIS database. Map Editor can embrace them all using "Plug-ins."

Plug-ins control access to map and database data. A plug-in is a gateway for the use of a particular data format. Map Editor ships with more than 35 different plug-ins to support all of the popular GIS and database formats including ArcView shapefiles, OS NTE, MapInfo MID and many more. Cadcorp updates and adds to these on a regular basis. To insure access to the variety of tabular databases available today, Map Editor supports ODBC and Microsoft DAO.



Map data from various sources may come in one of many projections, especially when large areas are involved. Map Editor supports over 250 map projections allowing you to combine data from disparate projections into a single map on the fly, or to save out data in a new projection as needed.

New Data Formats

In addition to "traditional" GIS data storage formats noted above, Map Editor supports several new data storage solutions. Binary Large Objects (Blobs) offer a way to store both graphics and tabular information in a traditional database management system. In addition to data security and integrity support, row level locking within the database allows for multi-user access and editing.

Map Editor includes tools to support the Open GIS SQL92 format, as well as the Simple

Features and Coverages Interfaces defined by the Open GIS Consortium. Working with these standards helps insure compatibility with other systems and accessibility of data in the future.

Coordinate pairs (x,y locations) from GPS receivers and other sources can be read by Map Editor and displayed on basemaps in real time. This provides a quick way to incorporate new and changing field data into the GIS.

Data Creation and Editing

Although much of the earth has been mapped, the details you need may not have been. Or the basemap you do have may be out of date. The only solution is to carefully add or change the data.

Cadcorp knows that the paradigm of computer aided design (CAD) provides the most flexible and easy to use tool set for geometry creation and editing. For that reason, Map Editor includes a complete set of CAD tools. Tools particular appropriate to mapping such as snapping, creating offsets, working within a grid, trimming, rotating, and keying-in values are available from pull-down menus and tool palettes.

Topology

Map Editor goes beyond geometry to support topology – the intelligence of connectivity and adjacency. These tools can make closed areas from lines, automatically trim overshoots, and determine the connectivity of a network.

Topology becomes the key to modelling the

real world, allowing, for example, two adjacent land parcels to truly share a boundary or a water network to be traced to its source. But all of this modelling cannot be done without carefully planned, cleaned and checked data; this is the role for Map Editor.

Summary

Cadcorp Map Editor provides all the tools a GIS data custodian will need to examine, project, edit, clean, and merge the variety of information that comes along in day-to-day work. Map Editor can stand-alone or work as part of a departmental or enterprise-wide solution paired with its siblings, Map Manager for the casual user, and Map Modeller for advanced modelling. Either way, Map Editor is your tool of choice for data maintenance.

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