SPATIAL*info*

SPATIAL*net*™
Technical Specification

Enterprise and Workflow Support

SPATIAL*net* is a complete enterprise AM/FM/GIS system providing data capture, design, edit and display capabilities. Spatial information as diverse as telecommunications and cable networks, utility assets, and land-base is supported.

All entity attributes, including graphical presentations, are stored in a relational database using open format data types. Data created and maintained by SPATIAL*net* can be distributed to all parts of the organization and externally over the web using the companion SPATIAL*web*™ product.

SPATIAL*net* makes rapid storage and enterprise retrieval of spatial data from pre-existing databases a reality, and is the next generation network information management system that quickly and cost-effectively manages the network spatial information of a service provider's organization.

SPATIAL*net* can be integrated with and provide support for a wide variety of Workflow Control and Routing, for example, interfaces to CIS, OSS, Work Scheduling and Analysis, Network Tracing and Data Query, Workprint and Map Production.

Rapid Implementation

SPATIAL*net* provides complete and timely access to network facilities data for planning, design, construction, and maintenance of both Inside and Outside Plant.

SPATIAL*net* implementation is rapidly achieved using data-ready template data models available for Telecommunications, Cable, Power, Water and Gas, offering significant 'out of the box' functionality.

Integration of IT Industry Standards

SPATIAL*net* integrates industry standard CAD applications (e.g. AutoCAD® or Microstation®) as its graphics editing engine while using a commercial RDBMS (e.g. Oracle®, Microsoft SQL Server®) as the relational data store for all graphics, attributes, and network connectivity in conjunction with SPATIAL*info*'s innovative RDBMS preprocessor.

Flexible Object-Based Architecture

SPATIAL*net* has been designed as a modular, rules-based, fully configurable system. SPATIAL*net*'s object-based architecture accurately models the location, extent, and behavior of real-world network for both Inside and Outside Plant and land-base features including floor plan details.

All aspects of SPATIAL*net* are configurable, including template data models for Telecommunications, Cable, Power, Water and Gas.

The inherent flexibility allows SPATIAL*net* to operate with complexities often encountered when working with real-world communication, power, and fluid reticulation systems.

For example, existing land-base information may be quickly promoted into the database, allowing various project-based design scenarios to be explored and reviewed before project details are published for general viewing.

Following plant construction, as-built changes may be easily incorporated into the final data.

Open Systems – Non-Proprietary

SPATIAL*net* enables users to access data from other corporate systems or to develop applications external to SPATIAL*net* that utilize its spatial and textual database.

SPATIAL*net*'s modular architecture complies with open systems and de-facto standards to accommodate independent application development.

Data Sheet

SPATIAL*info*

Relational Database Storage

SPATIAL*net*'s innovative RDBMS preprocessor includes the following RDBMS benefits:

- Enterprise wide access to *all* data plus Client/Server compatibility
- Very large spatial databases and distributed databases with multi-user concurrent access
- Fast data retrieval and processing, including use of Spatial Indexing
- Full topological data support and long transaction management
- Spatially Extended SQL (SESQL) for RAD and ad hoc queries
- Temporal Version Management support (past and future)
- Raster and vector map backdrops
- Mature technology and technology independence
- Powerful utilities plus standard application development tools

SPATIAL*net*'s RDBMS preprocessor enables use of the full set of efficient RDBMS management facilities available in the commercial RDBMS, including security, integrity, concurrency, locking and multi-user access, transaction management, journaling, and backup and restoration.

Platform Support

Client (minimum requirements)

Hardware	Graphics	O/S	RAM	Allow Disk Space
Intel Pentium II 400	1 MB SVGA	Microsoft Windows NT 4.0 Service Pack 6	128MB	150MB*
		Microsoft Windows 2000 Service Pack 2	256MB	150MB*

*Note: does not include space for Autodesk Map, configuration data, user files, O/S etc

Server (minimum requirements for SDM™ RDBMS preprocessor only)

Hardware	O/S	RAM	Required Disk Space	RDBMS
SPARC	Solaris 8 (SunOS 5.8)	64MB	60MB	ORACLE 64-bit Enterprise Edition 9.0.1
PA-RISC	Hewlett-Packard UNIX 10.20	64MB	60MB	ORACLE 32-bit Enterprise Edition 8.0.6
Intel	Microsoft Windows NT 4.0 Service Pack 6	128MB	60MB	ORACLE Enterprise Edition 8.0.6
Intel	Microsoft Windows NT 4.0 Service Pack 6, Windows 2000 Service Pack 2, Windows XP	128MB	60MB	ORACLE Enterprise Edition 8.1.6, 8.1.7, 9.0.1
Intel	Microsoft Windows NT 4.0 Service Pack 6, Windows 2000 Service Pack 2, Windows XP	128MB	60MB	Microsoft SQL Server 7.0 Service Pack 3, 2000 Service Pack 2

For more information

SPATIAL*info*

NORTH AMERICA *ASIA PACIFIC*

9635 Maroon Circle
Suite 420
Englewood CO 80112
Office: 720-873-6880
Fax: 720-873-6885

Level 14
459 Little Collins Street
Melbourne VIC 3000 Australia
Telephone +61 3 9670 3555
Facsimile +61 3 9602 1349

Web www.spatialinfo.com
Email inquiries@spatialinfo.com

Data Sheet