



LAMPS2 forms part of 1Spatial's technology offerings as a key solution for the Mapping, Charting and Geodata production market place. It builds upon more than 30 years experience of supplying digital systems for map and chart making, and spatial data production.

LAMPS2 provides a flexible and comprehensive production system for maps, charts, and geographical data products, and is centred on the Gothic object-orientated geospatial architecture. It is in use throughout the world supporting the full range of data and cartographic production, including: initial data collection, integration with photogrammetry, topographic data maintenance, hydrographic data maintenance, aeronautical data maintenance, model generalisation, cartographic generalisation and cartographic publishing.

Key Features

- Multiple product creation from single data archive using object oriented technology
- Continuous object database allows on-demand mapping of arbitrary areas. This removes the need for sheet-based digital data storage but provides options to preserve it if preferred.
- The same system is capable of handling very simple or very complex data models within the same product - from 'spaghetti' to standards requiring full topology
- Dynamic topology interaction provides clean data, shared boundaries and explicit networks.
- Efficiency in data volumes - versioned datasets means that multiple copies of unchanged data are not required
- Tailored working environments for different users or different projects within the same installation
- Pro-forma object class libraries together with tools for rapidly adapting them are bundled in the system, allowing development of complex data models
- Full implementation of object behaviours and display methods allows object-specific algorithms to be merged into the data thereby fully modelling real-world situations
- Data integrity enforcement and data validation through validation methods and topological structure
- Complete integration of raster and vector data on screen and in graphics output to utilise all available intelligence in the cartographic production process
- The powerful Gothic object-oriented geo-spatial processing environment is capable of handling both vector and raster data in an integrated and resilient manner.
- Available on Windows and LINUX platforms
- Both standalone and networked configurations supported

Benefits

- The product is flexible and extendible to address users' specific needs.
- Supports the generation of a wide range of cartographic and digital data products.
- Optimises productivity, lowers costs, and reduces product time to market
- Data integrity enforcement protects and enhances the value of vital corporate data, and ensures that 'bad' data do not enter the system
- Dynamic topology provides fine control over levels and tolerances, and avoids unwanted complexity
- Multiple access to the same object data removes the need for temporary workspaces that are costly and difficult to manage
- WYSIWYG display facilities reduces the need for slow and costly validation plots
- Easy techniques to create and tailor screen menus to reduce education times for operators and to optimise production
- Optional use of dual-screen workstation configurations in coupled source assessment or topological structured editing situations provide improved operator ergonomics
- Access to extensive technical support and advice from 1Spatial.

Who is it for?

Although predominately aimed at major installations in national organisations, LAMPS2 can also be used by any organisation that needs to support a full range of data and cartographic production. There are customer installations of LAMPS2 ranging from single seats into in excess of one hundred.

