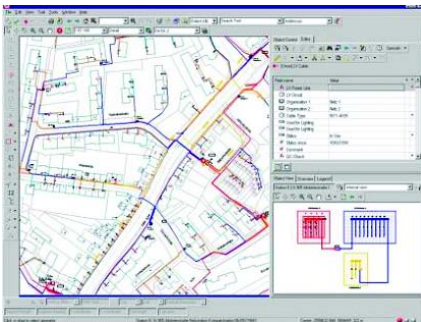


Smallworld Core Spatial Technology is the foundation GIS product from GE Energy that supports application products for Communications, Utility and Public Systems organisations. Industry focused applications, including PowerOn®, Smallworld Design Manager™, Smallworld Network Inventory™ and Smallworld Spatial Intelligence™ are based on this robust platform optimising business processes through the latest release – Smallworld Core Spatial Technology 4.

Smallworld Core Spatial Technology 4 dramatically improves usability, delivering a look and feel that is consistent across the Microsoft® Windows® desktop. Smallworld Core Spatial Technology 4 also drives greater consistency of user interface across the product portfolio from GE Energy, by providing development tools to achieve the same levels of usability in industry applications and user customisations.



Operating System availability

Smallworld Core Spatial Technology 4 is compatible with:

- UNIX
 - AIX 5.2
 - HP-UX 11i
 - Tru64 Unix 5.1
 - Linux (Red Hat Server 9)
- Microsoft
 - Windows 2000®
 - Windows XP®
 - Windows 2003 Server®

Easier access to data – usability improvements

The Find toolbar – for simple, free-text searches using any alphanumeric string, including wild card characters. The Find toolbar makes searching over several gigabytes of data more efficient by providing pre-defined categories to manage the extent of a search.

Smallworld Explorer – mirroring the features of the Microsoft® Internet Explorer – exposes data mining techniques such as searching on results of a previous search, searching through available datasets and user defined themes, using standard query script language, and exporting to common desktop tools, such as Microsoft Word and Microsoft Excel.

Themes – presenting user-defined groups of data under headings meaningful to the user. Once grouped into a Theme, the data can be manipulated as a whole with support for controlling visibility, hittability and selectability at one or more ranges of display scales/styles.

Data Security – key to protecting investment in data

Authorisation – extending standard access controls to enable users to work with the geographic areas and data that they are responsible for and no others.

Graphical display of conflicts – to aid decision making in the long transaction environment, Smallworld Core Spatial Technology 4 enables the user to see the impact of a reported conflict giving visual reinforcement to critical decision-making tasks.

Plotting / Layouts

Handling of plot layouts is reworked at Smallworld Core Spatial Technology 4 to enable the casual end user to create key management documents, as well as standard operational drawings.



Foundation GIS tools for the whole enterprise

Smallworld Core Spatial Technology is a proven Geospatial Information System (GIS) platform for delivering solutions to the utilities, communications and public services industries. The product offers a powerful application development environment.

Smallworld Core Spatial Technology also delivers considerable functionality out of the box as a desktop client, including:

- Easy to use, Microsoft Windows style user interface
- Object modeling and editing tools to reflect the real world
- Analysis tools – network tracing, cluster analysis, surface creation and manipulation
- CAD-like tools for creating and manipulating geometry
- Multiple geometries per object to support multiple representations of same object, e.g. on geographic maps or schematic diagrams
- Theme creation and manipulation
- Map projection and coordinate system definition and configuration
- Management of multiple coordinate spaces – or worlds – with full interaction between them for viewing, updating and tracing
- On-the-Fly transformation between coordinate systems
- Version managed data store
- Full conflict detection and resolution tools
- Database querying tools – with both Smallworld script or SQL
- Database extraction tool
- Oracle®, Oracle Spatial® and Oracle Workspace Management® integration tools for sharing data around the enterprise
- Style and symbology definition
- Integral CASE tool for data model definition and documentation
- Standard plotting functionality – template creation for standard layouts; output to PDF, Postscript, HPGL2 and Windows device context formats
- Plot Series creation for creating map books and job sheets

Smallworld 4 Product Suite Overview

The Smallworld 4 portfolio provides both a platform for application development as well as industry focused applications, that is constantly evolving to support industry focused application products from GE Energy.

The four main principles of the evolution strategy continue to be:

- Application Integration – through mechanisms such as Enterprise Application Integration tools
- Open Data Access – making the most of industry and defacto standards to ensure Smallworld technology fits easily into the enterprise
- Mobile – for location independent processing, taking data and functionality to the user
- Technology Innovation – delivering a robust spatial application engine for creation of scalable, flexible applications

The Smallworld 4 Product Suite Portfolio

- Smallworld Core Spatial Technology™
 - Smallworld Spatial Object Managers™
 - Smallworld Schematic Generator™
 - Smallworld DXF Translator™
 - FME Smallworld Suite™
 - Smallworld EAI Toolkit™
 - Smallworld Business Integrator™ for SAP R/3®
- Smallworld Internet Application Server™
- Smallworld Spatial Intelligence™
- Smallworld Field Information System™
- Smallworld Design Manager™
- Smallworld PTI Interface™
- Smallworld Corridor Manager™
- Smallworld PowerOn®
- Smallworld Physical Network Inventory™
- Smallworld Logical Network Inventory™
- Smallworld Gateway Network Inventory™

For more information about this product, contact your GE Energy sales representative or visit gepower.com or email us at gens-info@ps.ge.com.

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