

G/Electric Suite of Products



G/TECHNOLOGY

Intergraph's *G/Technology* provides a Geospatial Resource Management (GRM) environment that reduces the cost of designing, operating, and maintaining the assets that deliver utility and communications services to your customers.

G/ELECTRIC

G/Electric was created specifically for the electric industry, with input from clients and partners, to give a multidimensional solution that provides powerful tools to support the facilities/asset management needs of electric transmission and distribution companies.

G/Electric allows deployment of Geofacilities data across the enterprise via integration with systems and applications, giving a higher level of return on investment from the Geofacilities data than is the case with traditional AM/FM/GIS applications.

G/ELECTRIC SOFTWARE SUITE

The *G/Technology suite* is made up of a number of modules including ***G/Designer***, ***G/Administrator***, ***G/NetViewer***, ***G/MobileViewer*** and ***G/NetExport*** Server. A database model and these products are tailored to meet to the needs of industry sectors including gas, electric, pipeline, water and communications. The software modules at the core of *G/Electric* address the various operations performed by electricity personnel. The modules are configurable to meet a company's needs.

G/Designer consists of industry-specific functions and provides a structured rule based environment with viewing and access control; query, analysis, and tracing routines; placement and edit functions; job management and plotting functions.

It provides the ability to "undock" from the corporate network to perform the same design and analysis functionality in a field environment. Data that is created or edited in the field using *G/Designer* can easily be merged into the corporate data warehouse in the office.

G/Administrator provides the tools necessary to administer a *G/Technology* system. Included are a specialised set of administrative commands for managing the *G/Technology* metadata system, as well as commands to assist with the definition and maintenance of metadata, administrative tools for building predefined queries, traces, reports, and publishing of all data and metadata for use by the *G/Technology* clients.

G/NetViewer provides view/read only access to the master facility model. Using Internet Explorer it accesses the live *G/Technology* database via a local area network connection. It combines standard Web access to the database with "smart graphics" and a variety of tools to enable the development of robust Web applications that are accessible over the Internet or an intranet. *G/Technology NetViewer* is customisable through specific Web page edits, metadata, and public APIs.

G/MobileViewer provides view/read-only access to the master facility model. It provides viewing, navigation, query, tracing and redline capabilities using a local snapshot of the database, and does not require the purchase of a database product, such as Oracle.

G/NetExport provides the capability to export *G/Technology* data into other standard formats, allowing users to share data with external agencies, companies or contractors. Since this sharing is often done in a CAD format, users can view CAD data from other sources, as well as export the *G/Technology* data into other formats.

New Zealand's Electric Club

The Electric Club is a collaborative effort between Intergraph New Zealand and New Zealand Electricity Lines Businesses. The parties worked together to define a set of standards which allows *G/Electric* to support the business requirements of the New Zealand electricity industry.

POWERNET

PowerNet Limited has been a user of *G/Electric* solutions since 2001. They selected Intergraph's software based on its high performance and open database capabilities.

"Intergraph has a good solid team in New Zealand who are knowledgeable in the products we use and a strong presence in the utility market helps to reiterate this."

Waric Cross, IS Coordinator, PowerNet Ltd

WEL NETWORKS

WEL Networks Ltd has been an Intergraph customer since 1998, as a member of the Electric Club, they share issues with other electric utilities and achieve common outcomes with lower implementation costs.

"WEL sets high levels of customer service and has high expectations of its suppliers. Intergraph have partnered with us over the years delivering these high levels of service. In fact, on many occasions they have gone the extra mile to meet our needs."

Mike Underhill, Chief Executive, WEL Networks

TOP ENERGY

Top Energy selected Intergraph in 2001, based on its open standards technology and a model tailored to the New Zealand utility environment.

"Intergraph's vast experience working with utilities has allowed them to create a fully integrated product suite, which eliminates the risk associated in working with multi-vendor solutions."

Ajay Anand, Network Manager, Top Energy

ORION NEW ZEALAND

Based in Christchurch, Orion New Zealand Limited is the leading South Island electric network company. Its core business is the management of the Canterbury-based electricity network, servicing the greater Christchurch urban area, and large surrounding rural area.

In August 2001, Orion contracted with Intergraph to provide *G/Electric*. Orion selected *G/Electric* because it is based on standard, non-proprietary programming tools and offers high performance and scalability, support for ongoing application extensions and ease of use, development, maintenance and upgrades. *G/Electric's* integrated environment provides enterprise wide access to data via a spatially enabled Oracle database.

Intergraph has created workflow efficiencies that enhance service to the company's 164,000 connection points.

"One of the early benefits was the ease of interfacing external systems to the GIS database and we now have links with several other databases including our WASP Asset Management database, Adept's PSSU loadflow analysis application, our outage management system and our ICP database."

Tim Slack, Solutions Development Manager, Orion



Images courtesy of Orion NZ Ltd.

ABOUT INTERGRAPH

Intergraph Corporation is the leading global provider of spatial information management (SIM) software. Security organisations, businesses and governments in more than 60 countries rely on the company's spatial technology and services to make better and faster operational decisions. Intergraph's customers organise vast amounts of complex data into understandable visual representations, creating intelligent maps, managing assets, building and operating better plants and ships, and protecting critical infrastructure and millions of people around the world.

Intergraph New Zealand
Level 4, 90 Symonds Street, Auckland
Tel: +64 9 366 1712
Web: www.intergraph.com



Intergraph and the Intergraph logo are registered trademarks of Intergraph Corporation. Other brands and product names are trademarks of their respective owners. Intergraph believes the information in this publication is accurate as of its publication date. Such information is subject to change without notice and is subject to applicable technical product descriptions. Intergraph is not responsible for inadvertent errors.