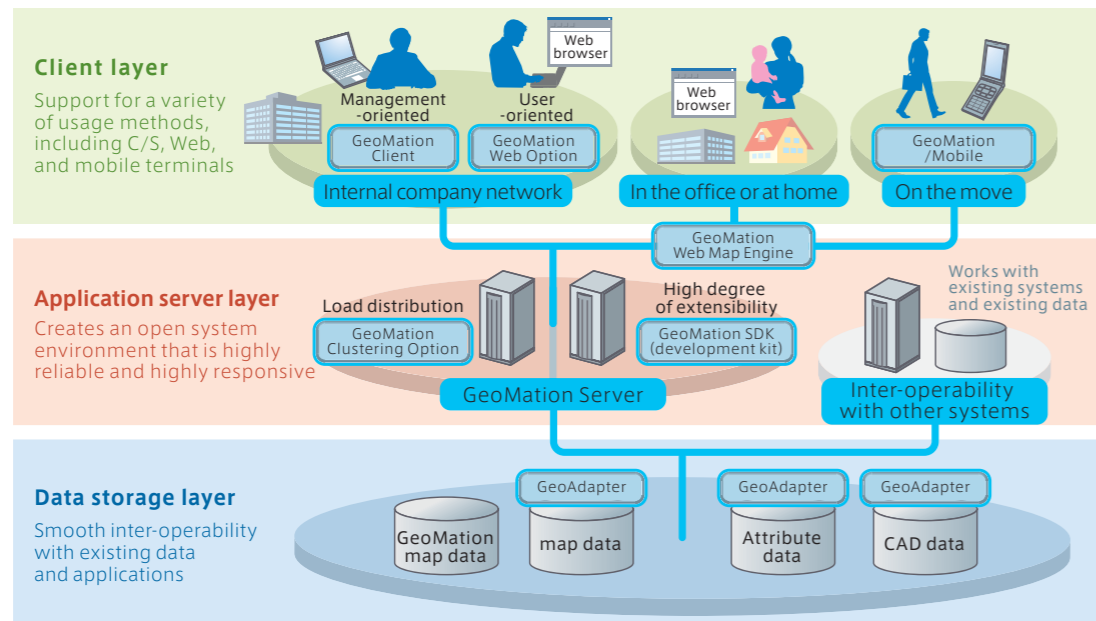


The layered structure of GeoMation makes it ideal for a variety of industries and operations.



Software platform requirements for GeoMation

Server	UNIX	Oracle Solaris9, Oracle Solaris10
	Linux	Red Hat Enterprise Linux AS version 4/4.5
	Windows	Microsoft Windows XP Professional (SP3) Microsoft Windows Vista Business, Enterprise (SP1) Microsoft Windows Server 2003 Enterprise Edition (SP1/Release2) Microsoft Windows Server 2008 Enterprise Edition (SP2/Release2)
Client	Java	Java2 Runtime Environment, Standard Edition, 5 Update 14 Java2 Runtime Environment, Standard Edition, 6 Update 23 (installer attachment)
	DBMS	Oracle 9iR2, 10g, 11, HITACHI HiRDB V8 Microsoft SQL Server 2005/2008, PostgreSQL 8.0.4
Website environment	UNIX	Oracle Solaris9, Oracle Solaris10
	Windows	Microsoft Windows XP Professional (SP3) Microsoft Windows Server 2003 Enterprise Edition (SP1/Release2) Microsoft Windows Vista Business, Enterprise (SP1) Microsoft Windows 7 Professional, Ultimate
		Adobe JRun 4, HITACHI uCosminexus Application Server 6.5/7.1 IBM WebSphere 6.1, Apache Tomcat 5.5/6.0

Map formats supported by GeoMation

Vector Map	DXF
	ESRI Shapefile GML/G-XML Zenrin Zmap-TOWN/ Zmap-AREA
Image	The MAPPLE series from Shobunsha Publications · MAPPLE10,000/25,000/50,000/200,000/1,000,000 · MAPPLE10,000 light/25,000 light *MAPPLE 2,500 corresponds to graphic data only
	WMS
	JPEG PNG TIFF

*For any of this software, the specific editions, versions, revisions, or patches that can be used with GeoMation may vary, depending on the configuration of the system. For details, please consult the developer in question before installing GeoMation.

For more details, please visit the GeoMation information website.

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This software product meets eight criteria defined by Hitachi Group's DfE (Design for Environment) Assessment. Some of the criteria are weight reduction, resource recycling, energy efficiency, and environmental conservation. The business information managed in various systems is shown on the map to make the business information visible. This is intended to promote efficiency and information usage for businesses that use this map.

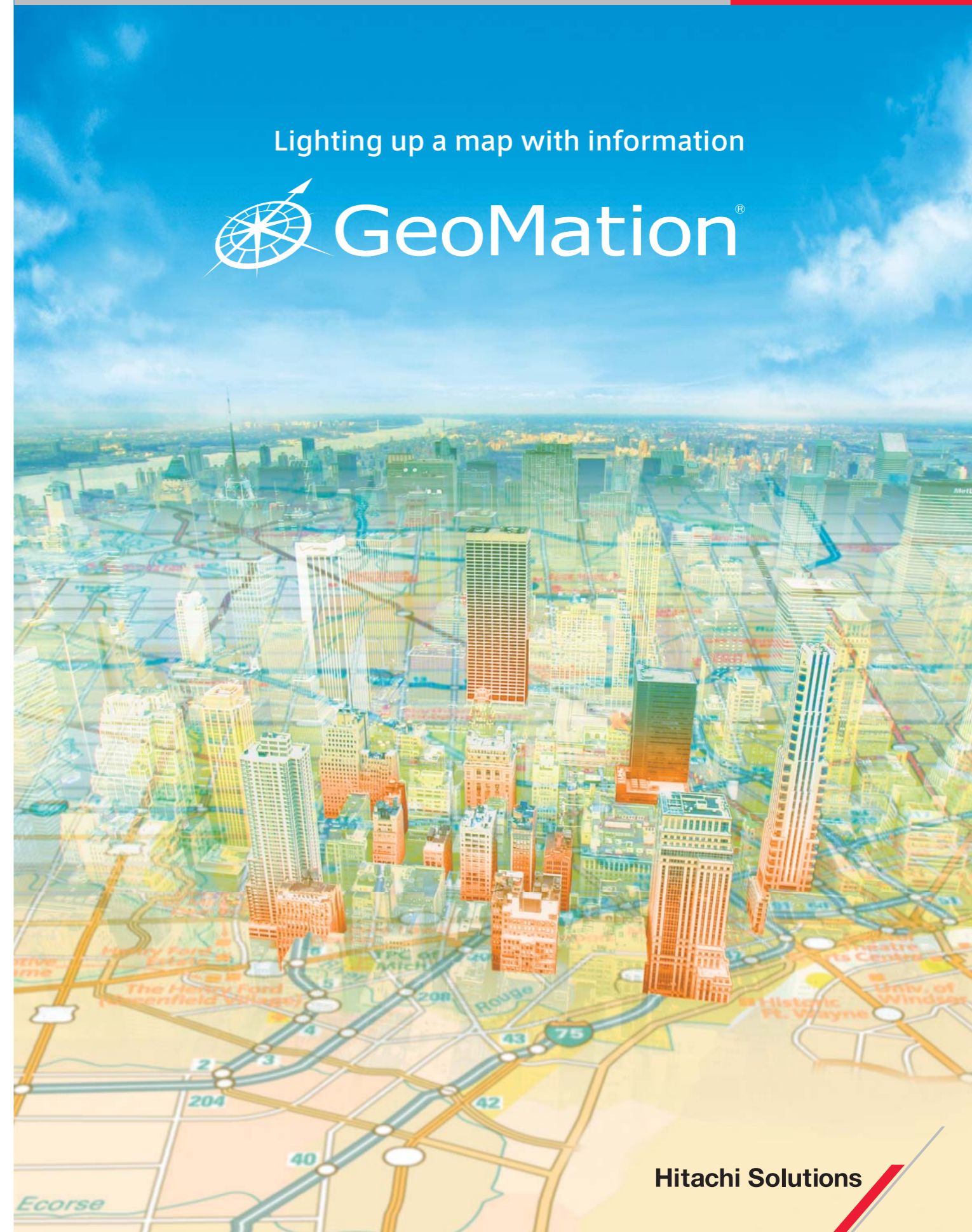
This is an English version catalog of GeoMation products available in Japan.

Hitachi Solutions, Ltd.

http://www.hitachi-solutions.com/
4-12-7, Higashi-shinagawa, Shinagawa-ku, Tokyo, 140-0002 Japan

MAIL gis-info@hitachi-solutions.com

Authorized Reseller

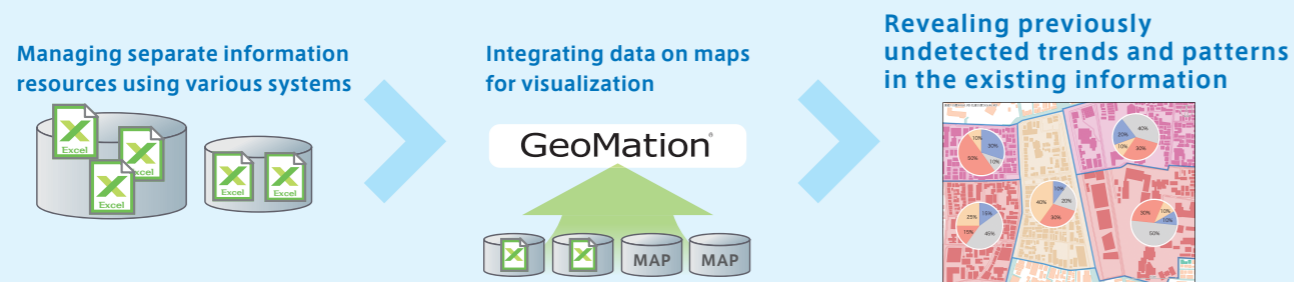


Lighting up a map with information

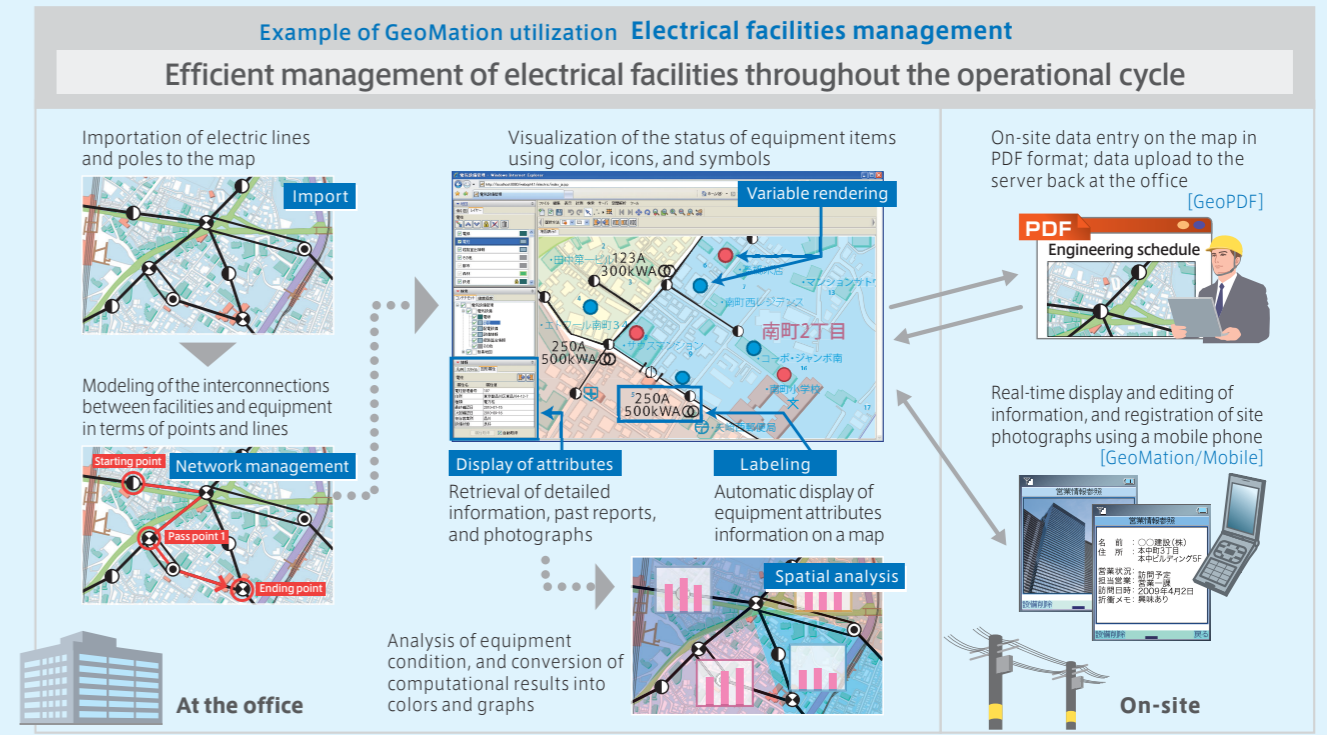


GeoMation makes information useful by displaying it on a map.

Many different fields are increasingly adopting geographical information systems (GIS). Integrating existing customer information onto a map visualizes the data and leads to a more efficient and precise operational flow. GeoMation is an enterprise geographical information system that has proven successful in various fields such as electrical power, communications, gas, the public sector, local government, police, and finance. With its high degree of reliability and its outstanding extensibility, GeoMation is helping to bring about the new tomorrow that customers have dreamed about.



A new kind of workflow—with GeoMation



Disaster Prevention/Police GeoMation/Mobile

- Fire-fighting and ambulance services
- Disaster simulation

Real-time location detection through the use of mobile phones improves the precision of work instructions

Infrastructure Variable rendering and registration of photographs

- Management of water supply and sewage facilities
- Management of electrical power, gas, and communications facilities

Locations in need of maintenance are highlighted on a map to enable efficient management of the facilities

Public Sector/Local Government Collaboration with other systems

- Management of farmland, fixed assets, and highways
- Urban planning

Integrated GIS allows sharing of geographical resources and thus reduces overlapping investment and improves residential service

Finance Spatial analysis

- Customer management and analysis
- Geared to customer liaison (in tandem with CTI)

Formulate effective sales strategies by analysis of statistical data, and display the results on a map

Distribution Network management

- Simulation for positioning of distribution centers
- Allocation management

Calculate efficient routes passing through transit points to reduce delivery times

Transportation GPS information integration

- Management of fleet movements
- Route simulation

Real-time vehicle location and movement detection through GPS integration provides efficient and effective fleet management

Real estate Distance calculation and extel data integration

- Management of collateral information such as mortgage information
- Management of real estate information

Map-based display of supply-and-demand information, such as land prices and sale prices, enables proper asset valuation

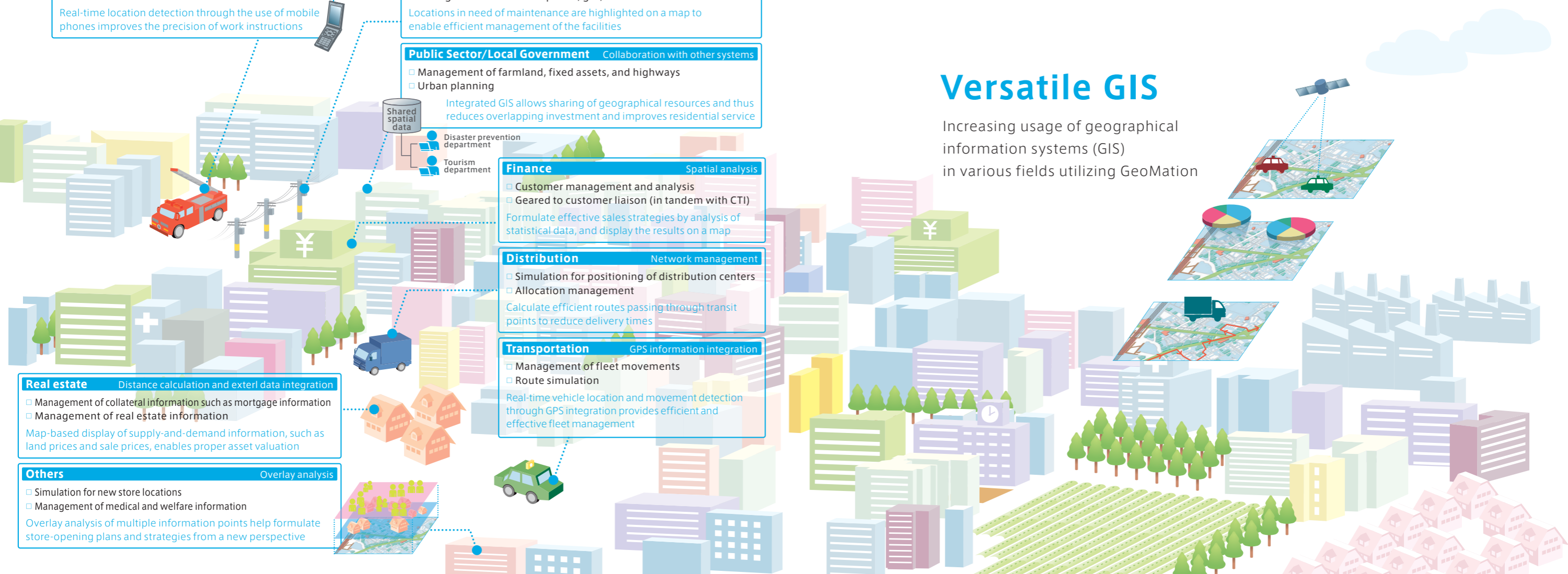
Others Overlay analysis

- Simulation for new store locations
- Management of medical and welfare information

Overlay analysis of multiple information points help formulate store-opening plans and strategies from a new perspective

Versatile GIS


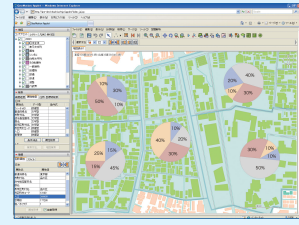

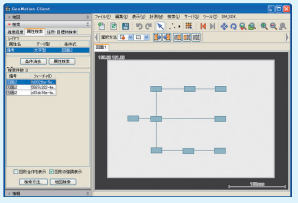
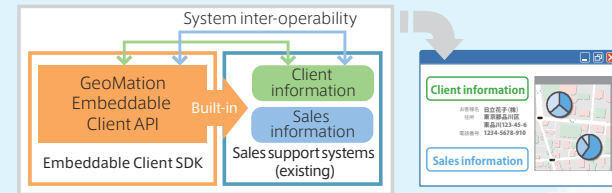

Increasing usage of geographical information systems (GIS) in various fields utilizing GeoMation



GeoMation—reliable strength for a better tomorrow

<p>Common GIS platform</p> <p>High Performance The use of a load-distributing configuration on the server side and the creation of server-side and/or client-side cache enable high-speed map display</p> <p>User authentication and authorization Integrated management of system users; set layer display and editing restrictions according to user groups</p> <p>Enterprise</p>	<p>Smooth inter-operability with other systems</p> <p>Multiple interfaces RESTful and SOAP interface support</p> <p>Various data formats Supporting CSV format, Shapefile format, external map distribution services, and various types of commercially available maps</p> <p>Interoperability</p>	<p>Extensibility geared to the future</p> <p>Cross-platform Supporting various operating systems, including Windows, Linux, and UNIX</p> <p>Flexible system development Development using dedicated development kits, and alteration of settings using a wide variety of parameters</p> <p>Flexibility</p>	<p>Support for a wide variety of client needs</p> <p>Wide-ranging methods of use Flexible support for a wide variety of usage methods, including use with C/S-type systems, use in a Web browser via the Internet or an intranet, and use on mobile terminals</p> <p>Plentiful options Availability of a rich variety of options, including space analysis and network management options</p> <p>Specialized packages for different industries Availability of applications for various industries, such as GeoMation Farm, specifically designed for the agricultural industry, and GeoMation Gas, for gas supply businesses</p> <p>Productivity</p>
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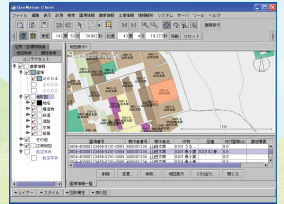
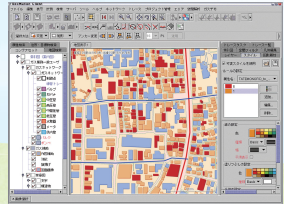

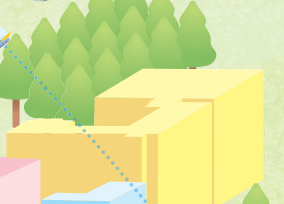
Optional functions for increasing the usage capabilities of a GIS

<p>GeoMation/Mobile</p> <p>Collection and computer display of position information from the mobile phones of on-site and sales operatives, enabling both delivery of operational instructions and real-time sharing of information, to achieve seamless cooperation between the base office and the site</p> 	<p>Spatial analysis</p> <p>Extraction of graphic information from a map with given conditions and restrictions, and conversion of totals and computational results into colors and graphs</p> 	<p>Network management</p> <p>Modeling of the interconnections among electrical power equipment, water supply and sewage facilities in terms of points and lines, and route-searching and network simulation</p> 	<p>Blueprint/work-diagram management add-on</p> <p>Combining of map information and blueprint information, enabling the display of facility data on a map</p> 
<p>Embedded options</p> <p>Use of GeoMation client components within the applications or applets of other systems; embedding of map display functions in the screen of the existing application</p> 		<p>GeoPDF</p> <p>Output of layer-structured maps in an easy-to-handle PDF format to enable use outside the company's network environment and to facilitate viewing, adding, and importation to a GIS</p> 	

Mapping out the future with GeoMation



GeoMation Family —industry-specific expertise package products

<p>Agricultural information management system GeoMation Farm</p> <p>Enables integration of information—such as that derived from cultivated land, farming, and soil analysis—on a map, resulting in precise, easy-to-understand agricultural information management. Helps to keep the operational process consistent—from agricultural planning to damage assessment.</p> 	<p>Mapping system for gas supply business GeoMation Gas</p> <p>Integrated management of gas pipe networks (an urban lifeline) and consumer information on a map. Efficient support of a wide range of operations including management of piping and facilities maintenance, precautions to deal with aging pipes, security operations, reception operations, and planning of heat level alterations.</p> 	<p>Aerial photograph and map service (SaaS) GeoMation Netservice</p> <p>An SaaS service that enables the user to easily use GIS by importing operational information into a map. The user can simplify maintenance of the base data and start using GIS within a short period of time. The map data require no maintenance.</p> 
<p>Assembly-type geographical information system GeoMation Remix</p> <p>Allows the user to freely select from functions of GeoMation. Since the product is available in low-cost configurations, it is ideal for customers who are using a GIS for the first time.</p> 	<p>Geographical information system for finance</p> <p>Displays distribution of customers and statistical information on a map, and assists formulation of effective sales and area marketing strategies.</p> 