

GEOSYS

Company Brochure

<http://www.geosys.co.jp>

As an Expertise for Seismic Survey

GEOSYS

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AS an expertise for Seismic survey.

We provide the best solution for every stage of seismic survey.



○ Hardware and Software Sales

Hardware: Seismic acquisition system such as for oil and gas exploration, geophysical exploration for civil engineering and seismic survey as well as seismic source such as vibrator and hydraulic impactor and so on.

Software: for seismic survey design, data processing and interpretation, integrating geological interpretation and so on.

○ Technical Support for Hardware / Software Development

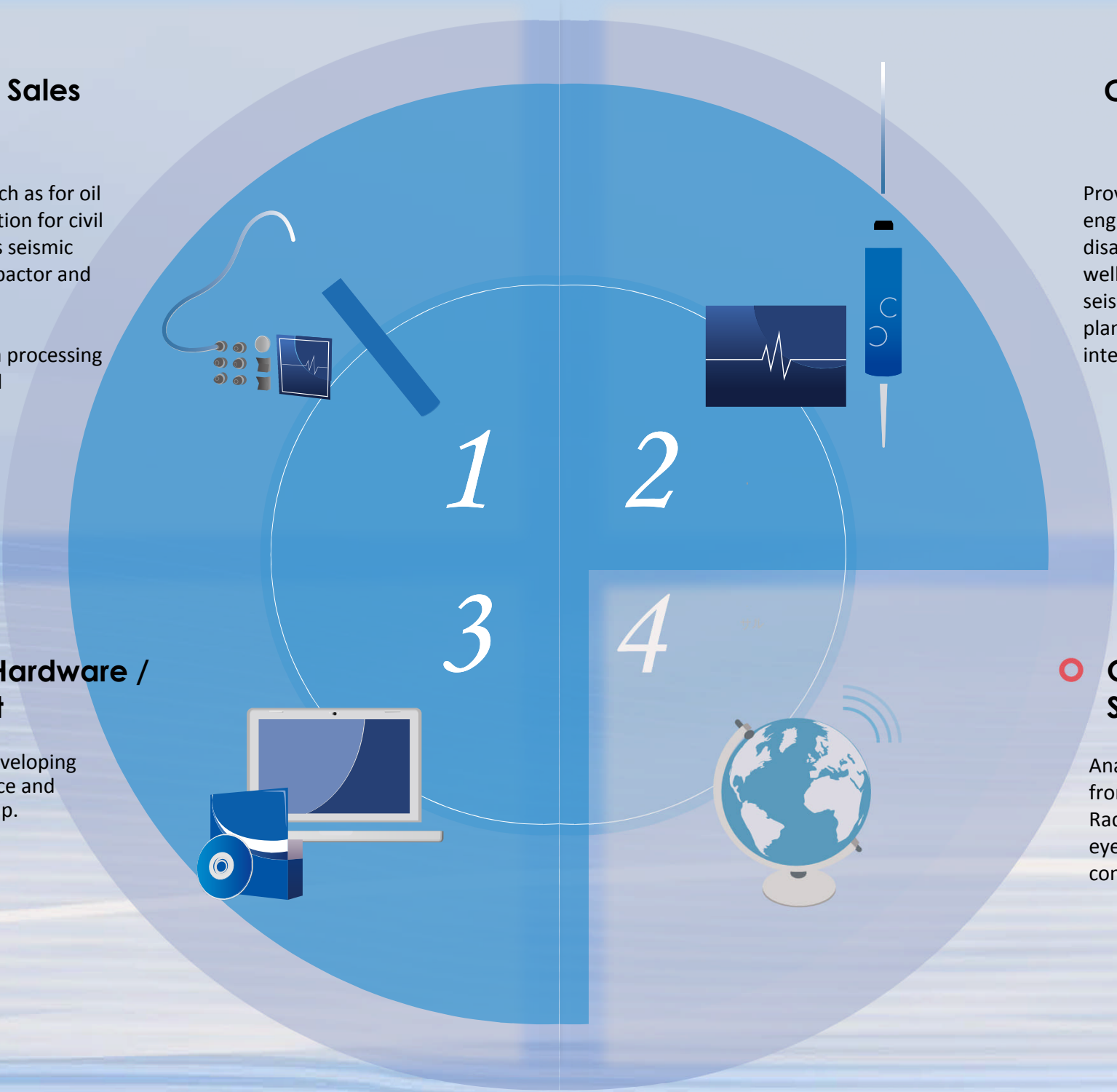
Offering technical support for such as developing hardware / software, maintenance service and instruments repair for our business lineup.

Conducting / Supporting

Providing geophysical exploration for civil engineering, seismic survey for earthquake disaster prevention and seismic exploration, as well as operating VSP, Subsurface drilling, and seismic shot as well as providing seismic survey planning, observation support, data processing / interpretation and so on.

○ GIS and Geological Consulting Service

Analyzing data from satellite images collected from optical sensors or SAR (Synthetic Aperture Radar), polymerizing with GIS or creating birds'-eye image upon client needs. Geological consulting is available as well.



1



Hardware and software Sales



Seismic Recording Systems and Related Equipment

We offer a variety of seismic acquisition systems and stand-alone recording systems including their peripheral equipment suitable for such as oil and gas exploration, geophysical exploration for civil engineering, earthquake disaster prevention and seismic survey.

Equipment leasing is available as well.



Receivers (Land / Marine) and Cables

We provide a variety of both land and marine receivers and cables including geophones, hydrophones, three component geophones / Hydrophones and array cables suitable for each environment .



Seismic Sources and Related Equipment

We provide seismic energy source with its control unit such as Mini-vibrators, Buggies and hydraulic impactors for land.

For marine survey, equipment leasing such as a high-pressure compressor is available.



Data Processing and Interpreting Software

We offer various kinds of software for seismic survey design, data processing , interpretation and geological cross-section restration for such as oil and gas exploration, civil engineering, earthquake disaster prevention.

We are also available to meet the needs of customers for such as for software leasing and training service.

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Technical Development and Support



Hardware Development and Its Technical Support

We have been developing hardware equipment such as peripheral devices of seismic recording system as well as providing technical supports such as maintenance and repair services.

We are also available to offer our overseas suppliers or technical experts for maintenance or repair in needs.



Software Development and Its Technical Support

We have been developing software for seismic survey as well as providing software maintenance service, system operation, and database mainetance support.

We are also available to meet the needs of customers for such as for software leasing and training service.

2



Conducting / Supporting Seismic Survey



Reflection and Refraction Seismic Survey (Land / Marine)

For land , we offer both reflection and refraction seismic survey using seismic acquisition system, stand-alone recording systems or seismic source (ex. vibrator or hydraulic impactor) for civil engineering, earthquake disaster prevention .

For marine survey, we offer both reflection and refraction seismic survey as well as survey with deploying Ocean Bottom Seismograph



Tunnel SSRT

We offer field work operations for geophysical surveys ahead of a tunnel face using tunnel SSRT (Shallow Seismic Reflection Survey for Tunnels) method jointly developed by Fujita Co. and JGI, Inc.



Seismic Observation

We offer a variety of Cable-Free/Radio-Free survey with Autonomous Data Recording system called GSR, a products of Geospace technologies, inc. We also are capable of supporting earthquake observation conducted by research institutes such as universities.



Seismic shooting

We are capable of seismic shooting operation using seismic sources such as vibrators, hydraulic impactors for surveys relating to civil engineering and earthquake disaster prevention



Borehole Seismic Survey

We conduct borehole seismic survey for both active survey such as seismic prospecting using VSP(vertical seismic Profiling) or P/S velocity logging, and passive observation such as seismic monitoring at drilling well or observation well.



Data processing and interpretation

We use JGI SuperX-C and Parallel Geoscience SPW for seismic data processing , and use IHS KINGDOM for data interpretation.

We are available to support determining epicenter as well.

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GIS and Geological Consulting



GIS system

We offer mapping service for GIS data. We are capable of converting old maps, hand drawing s and coordinate values to GIS data such as Geo TIFF and shape file, then displaying these converted data integratedly and intuitively and output them to any appropriate file formats such as JPEG, PDF, KML and so on.



Remote sensing

We offer data processing for images taken from satellite optical sensor for analyzing land's geographical and geological features as well as processing and analyzing displacement extraction data by differential SAR Interferometry.

We also offer digital elevation model for geographical interpretation.