

GIS System Development & Integration Services

The SAINS GIS System Development and Integration team consists of highly skilled and experienced professionals from various disciplines such as Surveying & Mapping, CAD/CAM, Planning, Cartography, Photogrammetry and Remote Sensing.

With more than 10 years of experience in this field, we are able to provide quality system development and system integration as well as consultancy services and implementation.



We study and assess the GIS needs of an organization before implementation. This includes the study of the business processes, Identification of the required GIS functionalities, Identification of GIS relevant work processes and design of an appropriate GIS data model to satisfy business requirements of the end-user.

Geo-Solutions

We have developed and integrated many GIS systems over the years and are able to offer the following services:

- Web-Based Applications
- Client-Server Applications
- Mobile Applications
- Hosting Services (Applications & Geodata)

Base-Technology

We are able to work in the following base-technologies:

- ESRI ArcGIS Technology (Desktop, Server, Mobile)
- Autodesk GIS Technology (MapGuide Enterprise, AutoCAD)
- FOSS GIS Technology (gvSIG, MapGuide OSS, MySQL)
- Web-Mapping Technology (GoogleMap)

Sales Contact:

Kuala Lumpur Tel: (60) 3-27158648
Penang Tel: (60) 4-6469268
Johor Bharu Tel: (60) 7-3516721
Kuching Tel: (60) 82-36962

Miri Tel: (60) 84-426117
Kota Kinabalu Tel: (60) 88-715 288
Brunei Tel: (673) 2652056

Email: service@sains.com.my
www.sains.com.my

Global Positioning System (GPS), Remote Sensing (RS) and Photogrammetry Consultancy and Implementation

Consultancy

We provide complete and comprehensive consultancy for our GIS Data Collection and Processing Services. Our consultancy services comprises of the following:

- Orientation seminars
- Situational assessment
- User needs analysis
- Data evaluations
- Functional requirements analysis
- Software evaluation and acquisition
- Pilot application studies



Implementation

We offer the following services:

Satellite Data Imagery Procurements

We manage the whole process of procurement for the satellite imagery. (Spot, Ikonos, Landsat)

Orthorectification Services

We remove sources of distortion from an image and correct the image to the point where measurements of a feature on the image approximate ground measurements of the same feature. This allows measurements of distances, positions, or areas from aerial photography to be made.

Satellite Imagery Coordinate Transformation

We perform Satellite Imagery reprojection from the existing global coordinate system to the local coordinate system such as from WGS84 to Cassini Soldner Projection or RSO Projection.

Satellite Imagery Classification Services

We produce raster thematic landuse classification maps from satellite imagery.

Data Extraction & Evaluation Services

We extract data such as road alignments, river networks, building footprints, etc from satellite imagery.

Image Enhancement

We enhance raw imagery so that certain features and objects on the images are clearer and sharper.

Mosaicing Services

We produce aerial photo mosaics using the local coordinate system.