IGiS - Enterprise Suite

IGiS

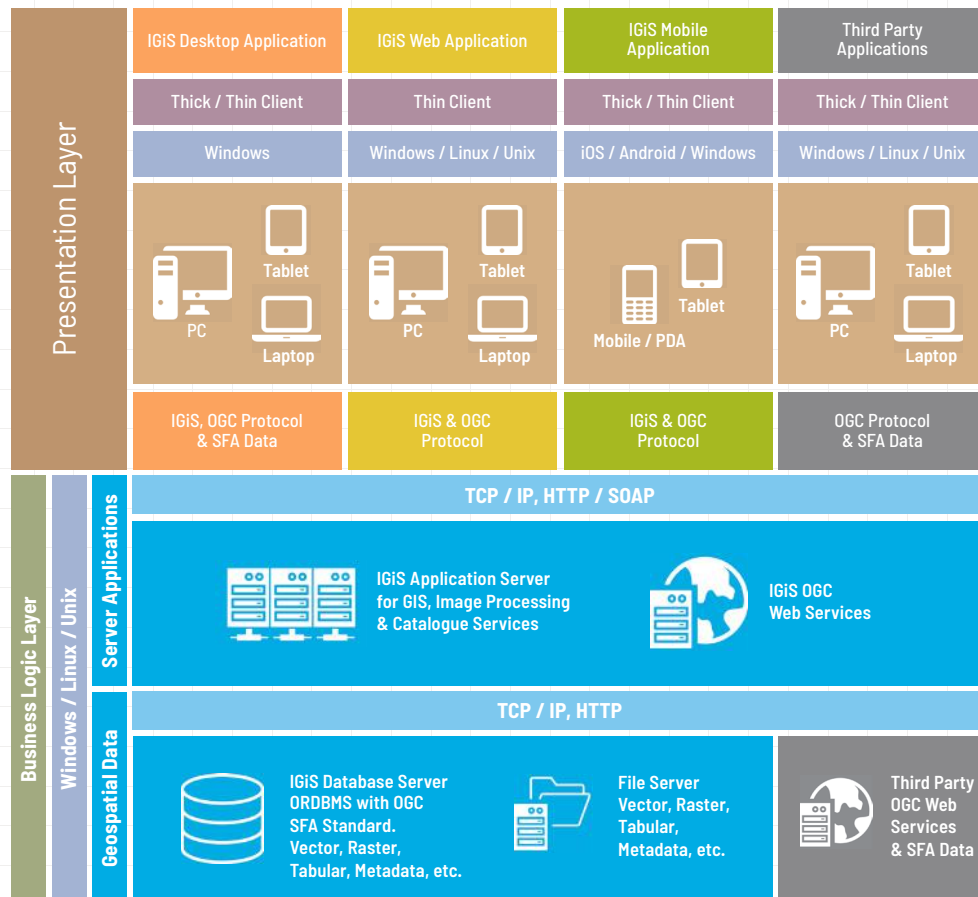# IGiS Enterprise - A Scalable GIS Platform for Your Organisation

IGiS Enterprise is a powerful geospatial suite with feature-rich tools to help you create, analyze, manage and securely share geospatial data over the Internet and intranet. IGiS Server is a key component of the IGiS Enterprise Suite. Other components of IGiS includes Desktop, Web, Mobile, CAD, SDK and OGC Services are used to provide end-to-end geospatial enterprise solution. Service Oriented Architecture (SOA) and key components make IGiS Enterprise the most powerful geospatial suite in the GIS industry.

IGiS Server

IGiS Server is used to publish and manage geospatial data including imagery and applications on server. Users can create different services to share this geospatial data and applications over intranet and Internet across different platforms. IGiS server supports OGC services for Geospatial data, metadata and processing. IGiS Server provides comprehensive spatial data infrastructure that extends from the desktop and mobile platforms.
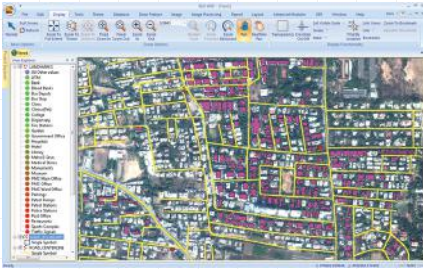
Geospatial data, services and Apps on server can be consumed or accessed by Desktop, Mobile, Web and any other App from anywhere. Some of the main features of IGiS Server are Image Processing, 2D/3D Map services, Querying, Editing, Geo-processing, Network Analysis, Metadata Management, Print/Report Service, Harvesting, Geo-Coding, Versioning, Integrate open resources, Security Management and real-time integration of IoT/sensor data.

Presentation Layer	IGiS Desktop Application	IGiS Web Application	IGiS Mobile Application	Third Party Applications
	Thick / Thin Client	Thin Client	Thick / Thin Client	Thick / Thin Client
	Windows	Windows / Linux / Unix	iOS / Android / Windows	Windows / Linux / Unix
	Tablet / PC / Laptop	Tablet / PC / Laptop	Mobile / PDA / Tablet	Tablet / PC / Laptop
	IGiS, OGC Protocol & SFA Data	IGiS & OGC Protocol	IGiS & OGC Protocol	OGC Protocol & SFA Data

Business Logic Layer — Windows / Linux / Unix

Server Applications

TCP / IP, HTTP / SOAP

IGiS Application Server for GIS, Image Processing & Catalogue Services

IGiS OGC Web Services

Geospatial Data

TCP / IP, HTTP

IGiS Database Server ORDBMS with OGC SFA Standard. Vector, Raster, Tabular, Metadata, etc.

File Server Vector, Raster, Tabular, Metadata, etc.
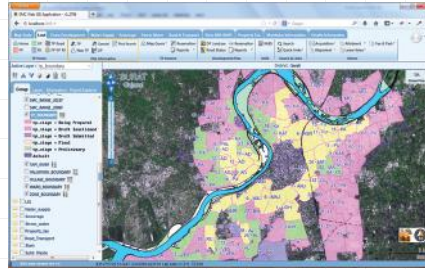
Third Party OGC Web Services & SFA Data

IGiS Desktop

IGiS Desktop is used for conception, production, dissemination and study of 2D and 3D maps with cartographic and visualization tools. IGiS Desktop has integrated GIS and Image Processing capabilities along with extensions for performing advanced analysis of geospatial data. Using IGiS Publisher users can publish their data and services on IGiS Server with a single click.

IGiS Web

IGiS provides an extensive web platform to put your geographic information on the web. It provides wizard for creating web applications quickly. User can use different platforms like .Net, PHP, Python and Java for developing Web-GIS application. Using IGiS Web platform user can access data, metadata and process services from GIS server.

IGiS Mobile

Mobile application is used for capturing, editing and displaying GIS data quickly and efficiently from any location using GPS enabled mobile device. It improves productivity of field activities by directly accessing GIS Server. Organisations can get real-time information for analysis and decision making. User can access various OGC services for seamless Geospatial experience.

IGiS CAD

IGiS CAD enables 2D and 3D mapping support with cartographic as well as engineering capabilities to map real world objects. IGiS CAD is fast and comprises of numerous user friendly tools for any kind of GIS data conversion and digitization. Features from engineering drawing sources can be extracted using Coordinate Geometry (COGO) descriptions. Geo-reference these new features into your GIS database exclusively with IGiS CAD.

IGiS SDK

The IGiS Enterprise Developer Kit allows you to focus on important productive custom software solutions. IDE, COM controls and extensive APIs in various programming languages empower developers to create custom objects, complex applications and complete vertical solutions.

OGC Compliance

IGiS OGC Services comply with various maps, data, metadata and processing OGC standards. Achieve geospatial interoperability for visualising, analysing, publishing, managing data and secure data access by providing user management and collaboration. The standards empower technology developers to make complex spatial information and services accessible and useful with all kinds of applications.

About SGL

Scanpoint Geomatics Limited is a leader in the Indian Geomatics Industry. We pioneer the nation's geospatial domain through IGiS - an indigenous technology which brings GIS, Image Processing, Photogrammetry and CAD together on the same platform. Based out of Ahmedabad, as Team SGL, we strive to provide innovative, futuristic and cost-effective products.

IGiS caters to a multitude of solutions across industries like Agriculture, Defence, Forestry, Disaster Management, Land Information, Mining, Power, Smart City, Urban Planning, Utilities and Location Based Services.

With the vast number of possibilities and opportunities presented by the field of Geomatics, our mission is to shape the future of a "GIS-enabled India".

इसरो ISRO

**Government of India | Department of Space
Indian Space Research Organisation**

Product Development Partner

At, Scanpoint Geomatics Limited, we are most proud of our partnership with the Indian Space Research Organization (ISRO). With an innovative approach and a focused attention to details, the duo developed IGiS - India's first independent and integrated platform for geospatial industry. The partnership has resulted in the integration of GIS, Image Processing, Photogrammetry and CAD on the IGiS platform. Backed by ISRO's domain expertise, we aim to push forth innovation and uplift the global geospatial domain.

Make in India

SGL ® | **SCANPOINT GEOMATICS LIMITED**

12, Abhishree Corporate Park
Ambli Road, Ahmedabad - 380058, Gujarat (India)

[P]   + 91 2717 297096
[E]   hello@sgligis.com
[W]   www.sgligis.com