

INDIGIS – BGIS Technology (Non Sensitive)

INDIGIS-B is a software technology for visualization, analysis & measurement of spatio-temporal data in the form of digital maps electronic navigation charts and satellite images. The technology manifests itself in the form of API's (application Program interface) and shared object libraries. The technology can be customized for user specific work flows and integrated with various sensors and systems.

The details of this technology are enlisted as under

1. CAIRGIS-B is a GIS Technology which can visualize and analyze digital maps and electronic navigation charts in various vector and raster formats.
2. It processes and visualizes large scale satellite images and can register satellite images with the digital maps
3. The technology can be integrated with dynamic data from various sensors such as RADAR, SONAR, LIDAR, GPS and digital compass for in taking the sensor generated tracks and data and represent them on digital map or chart background.
4. The technology is capable of preparing overlay using a symbol library with digital maps in the back ground.
5. This GIS Technology is a suit of customizable and extendable APIs using which various user and operation specific applications and workflows can be developed.
6. It has toolbox capable of analysis and measurement of spatial objects and its geometric properties such and location, distance, direction, slope, aspect, area etc.
7. The technology is capable of preparation of thematic maps from composite map data.
8. Import and export of spatial data among multiple supported formats.
9. Visualization of digital maps, charts and images obtained from various sensors and sources and agencies in different format, datum, co-ordinate system and projections.
10. Decision support aids such as multi-criteria site suitability analysis, various terrain analysis operations, spatial and attribute queries.