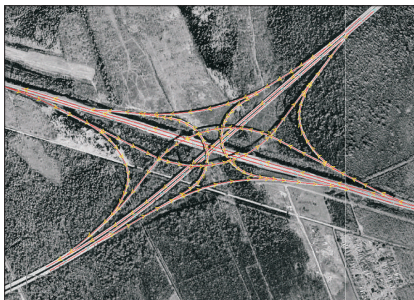


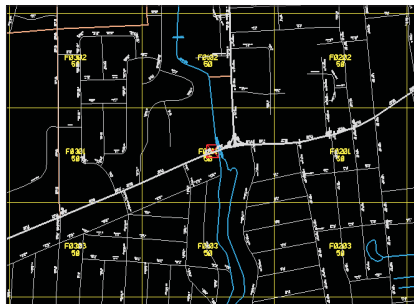
GIS Data Digitization Services for leveraging Enterprise Business



GIS at Mahindra Satyam BPO

Mahindra Satyam BPO helps clients with Geospatial Data Management Services to improve the way they do business, with the back-up of expertise in domain competency, workforce management, quality initiatives and proven delivery models.

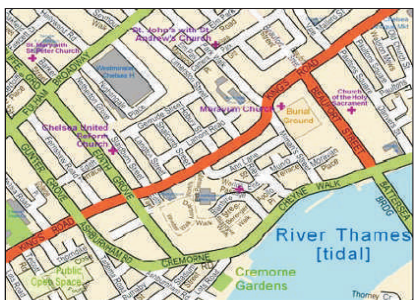
Our data conversion, migration, maintenance and mapping services are at par with industry standards and processes. Mahindra Satyam BPO is enabled with infrastructure and resources for GIS (Geographic Information System) database update and data processing for various industries.



Capability Map

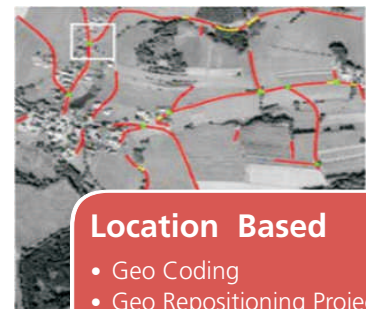
Our Data management expertise covers Data Conversion, Data Migration and Data Maintenance.

Data Maintenance capability includes Work Order Posting, Data Cleansing, Data Preparation and Data Conflation.



Navigation

- Street Database update
- Hydro Features update
- Address Range update
- Cartographic Map Creation
- Land Classification
- Terrain Analysis



Location Based

- Geo Coding
- Geo Repositioning Projects
- 3D Map Object Creation
- Stereo Imagery for 3D – Elevation Models
- Applying 3D coordinates captured from Ortho-photos

Our Services support customers in augmenting their resources, increasing the revenues and improving the customer service levels.

GIS Digitization Services

For Government

- Landbase Conversion
- Landbase Migration
- Land use/land cover morphology data
- Vector Updates
- Electronic Navigational Chart Production

For Telecommunication

- Land use/land cover morphology data (used in wireless network planning)
- Locate, map and monitor cell site data by tower identification, latitude/longitude, location, frequency, height, owner
- Creation/Updation of Cable Network
- Creation/Updation of Facilities Mapping
- Telecom Records Conversion
- Telecom Network Migration

For Transportation

- Road Data Generation
- Improved/Enhanced routing guide with improved tracking
- Point Addressing Database for GPS Navigation System
- Enhanced Street Network Database for In-Car Navigation
- Electronic Navigational Chart Production
- Flight Obstacle Mapping and Airport Map Database Production
- Railway Asset Mapping
- Freight Transportation/Logistics database update

For Utilities

- Creation/Updation of Distribution Network - Power, Water and Gas
- Electric, Gas and Water Records Conversion
- Electric, Gas and Water Network Migration
- Data management of assets - Sensors, Poles, Conduit, Smart meters

Indicative Projects Delivered

- Database Updates
- POI capture
- Geo Coding
- Geo-repositioning
- Address Points and Parcel Mapping
- Data extraction of Topographic features
- Cartographic Map Creation
- Positional Accuracy Improvement

Key Customer

One of the global leaders in digital map data. Their digital map data contains millions of Points of Interest (POI) of utility to their customers.

Our customer's digital map data already covers 72 countries across 6 continents. They are rapidly launching their services in regions such as South-East Asia and Latin America. Their key strengths lie in the accuracy and details captured in their maps.

Key Markets include:

- Vehicle Navigation Systems
- Internet/Wireless
- Fleet/Enterprise/GIS
- Government

Tools and Technologies

Tools

- AutoCAD 2006, 2007, 2009
- ESRI ArcGIS/ArcView 9.2
- Mapinfo
- Smallworld

Technologies

- AutoLISP
- AutoCAD VBA
- ObjectARX (.NET)
- MS Access
- SQL
- Oracle

Innovations

- Customer Support tools/applications developed using ESRI development modules
- Automated Logic Tree based address application tool on Autocad Platform reducing Autocad usage cost and human error
- Work Allocation and Tracking System (WATS) - Online production support function tool to manage work allotments and resources
- Continuous training/refresher programs for assuring the quality Right First Time (RFT)
- Six Sigma initiatives for productivity improvement

At the leading edge of Geospatial and Information Technology, Mahindra Satyam BPO is a global service provider, delivering technology driven innovative business solutions that integrate geographic information (user needs assessment) with a slot of Application Development. With significant experience in providing Geospatial data and application software solutions to its clients worldwide, Mahindra Satyam BPO's capability to offer a combination of Geospatial data and software services as a comprehensive solution to clients uniquely differentiates in the market.

For further information please write to Connect@mahindrasatyambpo.com and rfi@mahindrasatyam.com.

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