Enterprised Solution With GIS

PSI
PSI Incontrol Sdn Bhd
Introduction

PSI Incontrol Sdn Bhd is a solution provider for Geographical Information System (GIS) technologies and can be likened to a one-stop-shop of true data for all network components, namely gas, water, communication, and electricity.

GIS describes an information system that integrates, stores, edits, analyses, shares, and displays geographic information for informed decision making. Our solution is highly valuable to any industry having a geospatial distribution of assets and/or resources. It is the solution to improve profit margins, efficiency of processes, and most importantly, delivering customer satisfaction.

Our highly qualified execution and implementation teams are endorsed as Business Process Experts and Subject Matter Experts (SMEs), and are also very experienced in Change Management.

This incredible new technology leverages on web services to obtain the required connectivity, thus enabling your existing resources to administer the product with minimum training. In fact, the system can be a one-stop-centre for administration of all the systems for an entire organization.
Our Expertise

- **Project Management**: We have excellent team comprises of Project Managers whom have spent many man-hours executing small to turnkey projects around the globe including the biggest enterprise-wide GIS initiative in the region i.e. TNB Corporate Geospatial Information System (CGIS). The continuous accomplishment is subject to their profound experience in the discipline which work in tandem with their diverse technical background in electrical engineering domain, ICT and GIS field specifically.

- **Solution Architecture**: The fusion of knowledge pool in the organization has made possible for us to devise state of the art architecture blueprint that adopts best world practice according to our client needs. Successful audit reports by domain principal as well as client satisfaction and endorsement to the solution package attributed to our testimony. System architecture landscape for TNB CGIS marks our showcase in providing integrated and seamless services to TNB business needs.

- **Change Management**: We have trained and experienced team that undertake Change Management practice both internally within the organization and externally to our customer within phase of project implementation. This structured communication approach and plan has tremendously induced significant success rate in user acceptance and adoption to change introduced by the new implemented system. The accomplished transition scores better ROI to our proud customers.

- **GE Smallworld Partner**: We’ve been appointed as the sole Value-Added Reseller (VAR) to GE Smallworld for electrical utility in this region. This establishment entrusts GE confidence on us to represent their niche GIS product as part of our total solution for electrical utility. We also provide GE Smallworld Certified Trainings to meet the highest degree of customer competency program.
Our Solutions

- **Business Process Modeling**: BPM is basically documenting processes and procedures and representing them, so that the current processes can be analyzed and further improved. Proper BPM promotes better process efficiency and enhances quality. The BPM works closely with proper Change Management programs, whose involvement ensures proper implementation of the business process into practice.

- **Geographical Information System (GIS)**: GIS is especially valuable to any industry having a geospatial distribution of assets and/or resources. GIS provides a system for managing business information of any kind according to the location. Bringing together data with a shared spatial component can reveal trends and patterns that are not apparent with tabular databases. A concept of layers is the basis of GIS. This enables users to only use the information they require. Total de-cluttering is achieved. This ensures total and easy visibility of the data and makes work a pleasure. Though originally based on proven GE’s Smallworld product, our Research and Development teams have made GIS independent of any of the commercially available GIS products. Thus your solution is fully protected and is not vendor dependent.
• **Service Oriented Architecture (SOA):**
A service-oriented architecture is essentially a collection of services that communicates with each other using an interoperable service. The communication can involve either simple data passing or it could involve two or more services coordinating their activities. These services are well-defined business functionalities that are built as software components that can be reused for different purposes. The following figure illustrates a basic service-oriented architecture. It shows a service consumer on the right sending a service request message to a service provider on the left. The service provider returns a response message to the service consumer. The request and subsequent response connections are defined in a way that is understandable to both the service consumer and service provider.

• **Data:**
Data is the main component in GIS development and can be divided into graphical (spatial) and attribute (non-spatial). This data is presented in GIS as separate layers and in some cases may be grouped together based on requirements. In order to have an enterprise GIS system, a well-designed and defined spatial data is required to be on-hand. Spatial data may come from various sources such as Satellite Images, LIDAR Airborne Laser, land and survey data acquisition, GPS data collection, Google Earth mash-up and the like. Non-spatial data is a text-based data such as data from SAP-based system, CRM, HRM, FRM and any other system which stores data in DBMS or RDBMS database (Oracle, SQL Server, DB2, etc). Source of non-spatial data may come from various external systems via SOA integration which fetches data from separate systems and displays it onto a single GIS platform.
Your Benefits

- We provide consultation for a total solution with our great man-years of experience.
- We provide you with an integrated turn-key solution & a single point of contact.
- Our Change Management program ensures your end-user buy-in.
- We are GE Certified professionals & sole VAR for GE Smallworld product in SE Asia.
- We provide complete Business Process Re-Engineering solutions to re-engineer your business.
- Our SOA solutions integrate your discrete systems into one amalgamated GIS centric universe.
- We provide you with complete Data Solution - collection, storing & maintaining with high accuracy.
Building Partnerships Through Empowered People
Enterprised Solution With GIS

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