



Implementation of transformational multi-year enterprise wide GIS on SOA

CASE STUDY : UTILITIES

Implementation of transformational multi-year enterprise wide GIS based on SOA

**Geospatial
Excellence
Award 2010 at the
Map Asia
conference**

Through this project of many firsts, Infotech's leadership position in GIS domain was reaffirmed by industry stalwarts and analysts across the globe

Business Case

The client is the premier electric utility in Malaysia with a customer base of more than 7 million.

As part of its drive to improve efficiency and reduce operational cost, they initiated the implementation of a Corporate GIS (CGIS) to serve its core electricity business as well as to manage their internal fibre optic network, property management, security, and logistics services.

Expertise

The transformational nature of this project on the client's business divisions necessitated a phase wise and carefully planned implementation that was to be spread over a four year period. Based on our vast experience in GIS technologies, Infotech proposed a scalable and robust enterprise GIS solution for this challenging project.

First single Smallworld solution for both Electrical and Telecom networks

First Smallworld Office Suite implementation using web services on Service Oriented Architecture (SOA)

First Smallworld implementation for Electric Generation

First Electric Office implementation in Asia Pacific

Trusted by the client for years for efficiency and performance improvement across functions

Benefits

Improved efficiency in the areas of planning, development, operations, maintenance, management and customer services over the years

Widespread use of geospatial analysis improved efficiency and reduced operational costs over four year period of the project

Streamlined data helped to reduce redundancy and achieve better efficiency

The service oriented architecture (SOA) solution enables seamless sharing of data across a multitude of systems

Improved asset management with the help of GE Smallworld GIS solution.

Tools and Technologies

Electric Office (EO) 4.1; PNI,CM,SOMS, SI and Schematic Generator; SIAS,NIG; Geo Spatial Server; Business Process Modeling-Oracle BPM Suite; Web Services-Oracle ESB; iZapper – Test Management & Issue Tracking

Project Details

The GE Smallworld Office Suite, with Electric Office module for the electrical network and PNI module for the telecom network, was chosen as the platform for this solution.

The solution was integrated with the rest of the corporate systems in a centralized Oracle ESB SOA-based environment.

The solution proposed by Infotech will help the client to improve their efficiency in the areas of planning, development, operations, maintenance, management and customer services over the years

About Infotech

Infotech Enterprises provides leading-edge engineering solutions, including product development and lifecycle support, process, network and content engineering to large organizations worldwide. With nearly two decades of continuous growth and profitability, we leverage our "Global Delivery and Collaborative Engineering Model" to achieve measurable and substantial benefits. We help you for our clients, right from day one of any engagement.

To put it simply, whether you need to design innovative products faster, optimize your R&D costs, increase your market-share, enhance your operational efficiency or maximize the return on investment in your networks, Infotech Enterprises is the ideal partner.

Headquartered in Hyderabad, India, Infotech Enterprises is a leading global engineering services and solutions company with 8,000+ associates across 30 global locations. We adopt a consultative and proactive approach to serve our clients worldwide with our best-in-class delivery centers in North America, Europe, Middle East and Asia Pacific regions. Our clients operate in different industrial verticals such as Aerospace, Rail, Heavy Engineering, Semiconductors, Telecom, Utilities and Energy and include 22 'Fortune 500' and 27 'Global 500' blue chip organizations across the globe.

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