

Case Study GIS Environmental Mapping and Ecological Planning



Customer Location
Doha, Qatar

Industry
Government

Client Overview
Our client is one of the important ministries of Qatar serving its citizens and residents with various services related to environmental aspects. It's IT department had envisioned a project for the implementation of enterprise GIS catering to the users of various department of ministry.

Platforms
ESRI ArcGIS

Solution
GIS Environmental Mapping and Ecological Planning

Challenges

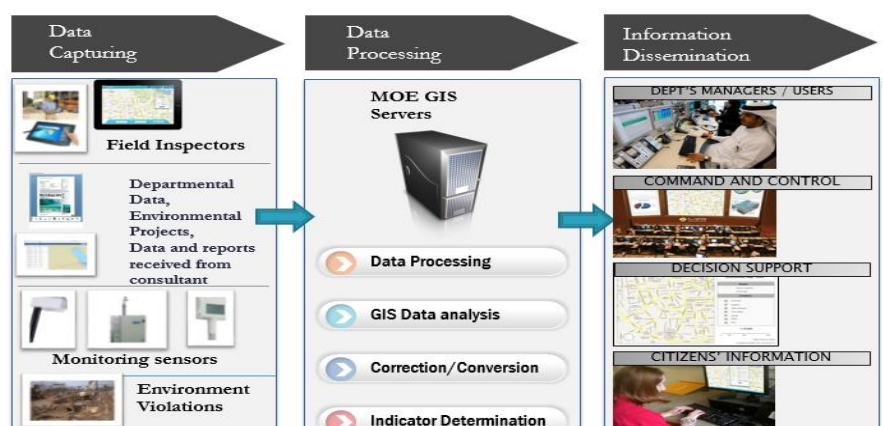
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Users from different departments used to work separately on different projects with possibilities of duplication of work. Each unit/department had its own collection of spatial and non-spatial data subsets and applications for its users. Collaboration and sharing of the information in secured and authorized fashion was one of the main challenges.

Highlights

- Geospatial Data Management tools and applications on web and mobile clients.
- Centralized data exchange platform for various departments to collaborate and share information
- Data Dissemination – Information distribution to Ministry users and citizens and public
- Dashboards for executive management
- Process improvement and streamlining of steps involved in survey and field data collection.

Project Overview



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Testimonial

“Octaware executed this project in a very professional manner, starting with pooling in the right resources and building a dedicated offshore team. They analysed the requirements by visiting each and every department and then went about relating these requirements with the intra departmental and interdepartmental dependencies. It should be emphasized here that this was no ordinary application. The Octaware team has worked relentlessly to deliver an enterprise solution that will set a benchmark for Analytical and Scientific GIS Applications”.

- **Dr. Sayed Jamal Bukhari**
Environmental Expert – MOE
Qatar

COP18 conference

Octaware proudly demonstrated this project during the United Nation’s (UN) climate change conference in Doha Qatar. The project was highly appreciated by the UN delegates and various executives attending the event.



Project

Octaware initially conducted a comprehensive exercise of user need studied which involved meeting and studying the existing databases, applications and infrastructure. A detail level of Software Requirement specification was prepared based on these meetings and reviews. This was discussed with multiple reviews from the department users and project stake holders. Octaware successfully completed this project over a period of 9 months and carried out support and maintenance work.

Based on the approved SRS, the design and development of the project started. During the entire duration of the project the MOE stake holders and project team were involved in close coordination for the execution of the project. Octaware managed this project in onsite/offshore execution model. Octaware’s Onsite PM was the coordinating person between the client project team and offshore development team.

Technologies

During the initial phase of the project Octaware R&D team coordinated with the client to discuss and finalize on the tools and technologies to be used for project. Based on the industry standard and best practices suggested by ESRI and Microsoft, the web-applications were designed using ESRI ArcGIS Server Web APIs and Microsoft Silverlight as the rich client interface for the web-clients. The native smart devices applications were designed on iOS platform.

About OCTAWARE Technologies

Octaware Technologies, a SEI-CMMI Level 3, ISO 9001:2008 & IEC 27001:20013 certified company, is highly experienced software development, enterprise solution and consulting firm with its offices in India, and presence in USA, Singapore, UAE, Qatar, Saudi Arabia, Nigeria and Zimbabwe. The company has been serving Fortune 500 corporates across the globe since 2005.

Octaware was founded as information technology company specializing in Microsoft technologies stack, focusing on Healthcare, Finance and e-Government sectors. Since then, company has grown into a multifaceted business that offers a diverse line of services and solutions for clients ranging from small businesses to large Fortune 500 corporations.

Depending on the ever-changing requirements, we come up with the essential and up-to-date tools and skills to enhance the clients' confidence in us. Octaware - we believe it as an expression of our creative, innovative and ground-breaking ideas and experiences.

Contact us now to know more

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