



DUGIS and Data Services

Industry: Government

Location: Dubai, United Arab Emirates

Summary

In February 2001, The Emirate of Dubai in the United Arab Emirates established the Dubai Municipality GIS Centre, with the goal of creating a logically centralized and physically networked repository of geographic information for the Emirate. The Dubai Municipality wanted to make spatial data easily available to government departments, private and public sector organizations, and other infrastructure service providers. They approached Rolta for creating a robust system with high availability, including the ability to upgrade without interrupting access. Because of the rapid development in Dubai, the system also needed to be flexible to manage new data and occurring changes. It also had to be bilingual (in English and Arabic).

Details of Rolta's solution

The solution is a 3-part GIS system including internet and intranet sites providing e-services in a customized manner. The solution also allowed for embedding of maps and searches within other web portals, providing the following:

- Access to spatial data throughout the Municipality and the Emirate
- Facilities for search and discovery of parcels, addresses, and facilities
- Facilities for measuring distances and areas on the map, marking up and e-mailing maps

Rolta also provided a host of data services including:

- Digital storage of utility corridor right of ways
- Creation of a comprehensive geospatial repository of geotechnical data for management and analysis of borehole data, as well as for building a GIS based network data model for drainage, sewerage, and irrigation networks.

Key Solution Innovation

Utilizing iPerspective to deliver data via a secure web service

Impact

Rolta provided a robust solution which helps the ADP staff to make effective operational decisions. Rolta's data services have also resulted in more complete and effective data access.

About Rolta

At Rolta, we envision a better future, and then design technology to create that future. Our innovative IT solutions span various verticals, including Utilities, Transportation, Process, Power, Banking and Insurance. Through our cutting edge software for mapping and earth sciences, we also provide a complete array of solutions for Defense and Homeland Security, including C4ISTAR information systems, Military Communications, Digital Soldier and Vehicle Systems. Our team diligently works to exceed our customers' expectations, and has successfully executed strategic projects in over 40 countries.