



Unified Geospatial Data Model (UGSD)

Industry: Homeland Security

Location: Abu Dhabi, United Arab Emirates

Summary

The General Directorate of Abu Dhabi Police operates with other agencies to achieve a safer society, contributing to the achievement of justice among the public. The Abu Dhabi Police had invested significant capital in developing a state of the art IT infrastructure and gathering data across a variety of geospatial themes. The challenge for them was to bring all this data together under one unified view, migrating it to UGSD, and making business decisions based on this data. Rolta remained sensitive to the varying geospatial data themes and the numerous stakeholders within ADP, while delivering a solution that met the client's current and future data aggregation needs.

Details of Rolta's solution

Rolta developed a flexible and robust data model that was a conglomeration of the multiple spatial and non spatial data sources at ADP, and then provided various stakeholders secure access to this data, migrating data into the new data model. Specific tasks executed by the team included the following:

- Development of a unified geospatial data model
- Integration of 18 existing geospatial databases along with various other business systems and non spatial data sources
- Development of FME scripts to populate UGSD
- Delivery of web service results in secure packages
- Implementing OnPoint™ for web GIS search and discovery

Key Solution Innovation

Utilizing iPerspective to deliver data via a secure web service

Impact

Rolta provided a secure, and robust solution which allows ADP staff to uniquely access data for effectively making operational decisions.

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.