



# Bahrain Enterprise Asset Management System (BEAMS)

**Industry:** Utilities - Government

**Location:** Manama, Bahrain

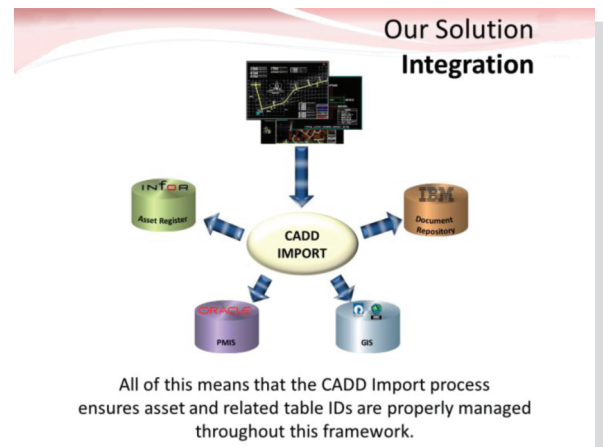
## The Challenge

Bahrain is an island nation, located about half way along the west side of the Arabian Gulf. Its Ministry of Works is responsible for managing the full life cycle of its assets. These include:

- 2,700 km of Sanitary Sewer Network
- 3,000 km of Road Assets
- Hundreds of Government Buildings

In 2010, they issued an RFP to secure an Enterprise Wide Asset Management System. Further, this system needed to have geospatial content as a central element.

Required within this Asset Management System would be a capability to solve a huge burden; the import of content delivered by consultants in CAD format, populate GIS databases and related non-spatial tables with the imported content.



*Presentation screen, displaying the concept behind the CADD import process developed, and how IDs are maintained across the organization*

## Approach

Rolta offered integration with its web-based geospatial solution OnPoint in its partnership with a local firm to deploy Infor as the Bahrain Ministry of Works Enterprise Wide Asset Management System.

To resolve the issue of CAD file import, Rolta developed a system based on use of FME. A critical part of this solution would be management of primary identifiers. Once imported, content would be populated in

- The Asset Register
- Project Management Information System (PMIS)
- GIS
- Document Management System

All Identifiers would be required to be generated and assigned.

Further, each consultant had its own unique format for submitting CAD files. Standards were established and ETL scripts were written to consume this fixed number of CAD formats.

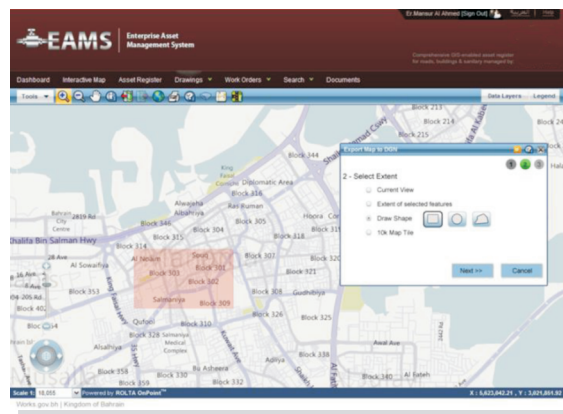


## Outcome

Bahrain's Enterprise Asset Management System is now delivered, and working effectively.

It is garnering significant recognition in both the Asset Management and GIS arenas, attracting audiences at conferences internationally. This includes the 2012 Geospatial World Forum held in the Netherlands.

Most notable has been the interest in the CAD import capabilities, and how it maintains identifiers throughout the system. This has become a major savings for the Ministry of Works. Effort is significantly reduced, and the reliability of content populating the system is vastly enhanced.



## About Rolta

Rolta is a leading provider of innovative IT solutions for many vertical segments, including Federal and State Governments, Defense, Homeland Security, Utilities, Oil & Gas, Financial Services, Manufacturing, Retail, and Healthcare. By uniquely combining its expertise in the IT, Engineering and Geospatial domains, Rolta develops exceptional solutions for these segments. The Company leverages its industry-specific know-how, rich repository of field-proven intellectual property that spans photogrammetry, image processing, geospatial applications, Business Intelligence, Big Data analytics, Cloud computing, and Software Defined Infrastructure for providing sophisticated enterprise-level integrated solutions.

Rolta is a multinational organization headquartered in India. The Company operates from 40 locations worldwide through its subsidiaries, and has executed projects in over 45 countries. Rolta is listed on the Bombay Stock Exchange and National Stock Exchange in India. The Company's GDRs are listed on the Main Board of London Stock Exchange. The Company's 'Senior Notes' are listed on Singapore Stock Exchange.