

CASE STUDY

ILLUMINATOR

Custom function – Smart Network roll-out



GD
PROGRESSIVE
SOFTWARE
SOLUTIONS

CASE STUDY

ILLUMINATOR Custom function 2 Smart Network Roll-out

Problem

The client is tasked with rolling out next generation smart meter networks to facilitate secure communications and data management for electricity, water and gas utility national infrastructures. This involves smart system build at central data-centers and thousands of remote sites serving millions of smart meter fixed wireless connections.

The project team need to co-ordinate activities associated with spectrum planning, site selection, civil development, tower and antenna construction and base-station installation. The team comprises internal client resource working with a number of equipment vendors and supplier contractor companies. The associated project records, documents and data repositories are numerous and present a considerable challenge to a successful and timely network roll out.

Solution

GD worked with the client to fully understand the extent of the project data management issues. The primary problem was the number of discrete information management methodologies in use. These included a large volume of individual work-stream spreadsheet tools, MS Access databases and data distributed in legacy SQL assets.

A GD ILLUMINATOR Architect worked with the project team to design a centrally managed database system dedicated to the specific programme needs. This established a number of workspace

environments which co-ordinate a standard approach to remote site build and system implementation recording. GD data analysts worked with the client team to normalise, cleanse and subsequently import the large volumes of data previously resident in the legacy repositories described above.

In addition, Graphical Data's RESOLVE Tool Architects worked with the client to develop a supplier/contractor cloud based 'build gateway' facility. This provided the ability to harvest real time data updates of network construction activities. (See RESOLVE User Case documentation).

Benefits

- Development of a single, centrally managed project database for network roll out activities.
- Major reduction in time spent trawling through disparate work-stream data repositories for key network build data.
- Improvements in project governance via coordinated milestone attainment visibility.
- Extensive notification, approval and engagement audit trail tracking.

For more information contact us on info@graphicaldata.co.uk