



LB Foster[®]

CUSTOMER

RTK Instruments Ltd.e

SECTOR

Infrastructure -
telecommunications

Chalfont Grove Media Centre

SCADA System
and Monitoring
suite



arqiva

“L.B. Foster Telecoms successfully implemented the Safety, Security and Communications infrastructure with minimum disruption to existing infrastructure and the local environment at Chalfont Grove.”

RTK Instruments Ltd

Arqiva provides infrastructure and services for television and radio channels in the UK and internationally. Arqiva's Chalfont Grove Media Centre at Chalfont St Peter in Buckinghamshire is one of a thousand Arqiva sites transmitting satellite and telecommunications all over the country.

Arqiva has a history of failures or faults with the main power supply equipment at Chalfont Grove. Any disturbance in supply results in service failures and disruption. Working on behalf of RTK Instruments Ltd, the aim of the Chalfont Grove Media Centre project was to install a system with the capability to monitor all supplies and equipment to eliminate failures and improve response times.

Requirement

L.B. Foster Telecoms, on behalf of principal contractor RTK Instruments Ltd, was contracted to design, supply, install and commission a new site-wide Supervisory and Control Data Acquisition (SCADA) system at Arqiva's Chalfont Grove Media Centre. The new system includes an integrated monitoring suite for checking substations, transformers and other electrical assets.

Our Solution

Our professional project team worked closely with RTK Instruments Ltd on the installation at Arqiva's Chalfont Grove Media Centre. RTK Instruments Limited is a leading designer and manufacturer of process alarm equipment for process and utility industries worldwide.

At the start of the project we undertook an evaluation of the existing systems due for replacement. Our design engineers recognised that these could be re-engineered and integrated with our new system. This delivered significant cost reductions and simplified the new installation from a total replacement to a system modification.

Throughout the project installation our team worked in close proximity to sensitive telecoms and electrical equipment. This presented our biggest logistical challenge.

What they said

"The savings that L.B. Foster Telecoms identified early in the project was true initiative. By identifying that the existing systems could be upgraded and integrated into the new solution meant that we were able to go back to Arqiva with good news about costs. It was this sort of blue sky innovation that shaped our relationship with the L.B. Foster team."

Specification

- > SCADA system
- > Monitoring suite
- > System CMS

All works were planned to reduce the risk of failure to equipment to ensure that no services or equipment were affected throughout the project. We maintained a 100 per cent on site safety record.

Our workforce included; JIB Electricians, CSCS Telecoms engineers and commissioners through to Project Managers. Our London based team of industry specialists was committed to implementing stringent quality measures, backed up by thorough induction and ongoing competency management and training.

Our final design included all CMS, panel and contactor wiring. We were also responsible for site design and installation.





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