

PROJECT PROFILE

CLIENT

LEADING DATA CENTRE PROVIDER

LOCATION

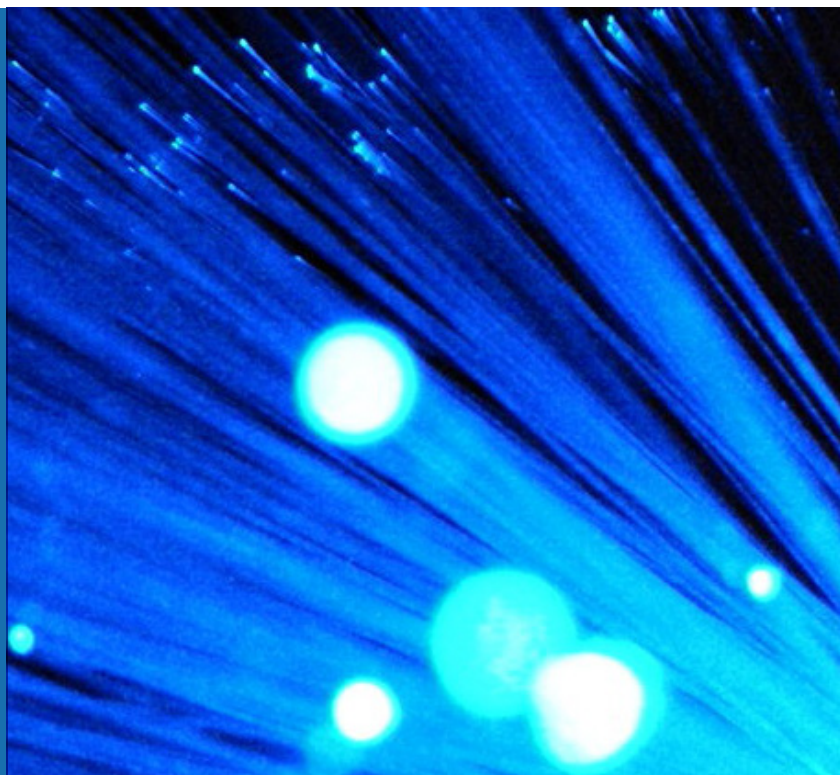
CORSHAM

SECTOR

DATA CENTRE

PROJECT

BMS/EMS PROJECT



OVERVIEW

JCA were asked by our client to carry out the following project; due to technical and commercial limitations it has been concluded that it is too difficult to integrate the existing ALC EMS/BMS system used with the TREND control system used by Blade Room. Extensive research has shown that a Tridium AX supervisor system alongside a Schneider ION enterprise system supervisor and Blade Room TREND control system, will allow the seamless monitoring of the existing system and any new installed generators, UPS systems, switchgear systems, ancillary areas and data rooms. This allows for ease of upgrade to a duty/standby configuration and enhancing alarm monitoring functions.

The Blade Room modules, energy centres and ancillary block will be primarily controlled and monitored by two supervisor systems, these are a Tridium AX BMS system and a Schneider ION enterprise system.

Each Blade Room is controlled and operated by a Trend BMS, however, this utilises the Tridium AX supervisor as its 'head end', not a Trend 963 system. Each of the two supervisor systems above will be required to be accessed and operated remotely by the user via a web based link over the network. This will also allow the facility for the system to be connected to the 'existing' ALC BMS systems already installed via the same web link.

The Tridium AX BMS system primarily communicates to the Trend BMS installed within the Blade Rooms. It also monitors and controls the third party mechanical plant in the energy centres and ancillary block.

The Schneider ION enterprise system primarily communicates and monitors the energy systems within the Blade Room modules and energy centres.