



FERA SCIENCE LABS – SAND HUTTON YORK

Control and Power Systems Ltd were approached by the client to complete an initial on site survey for the Generation control system covering four separate blocks on the Fera Science Laboratories Sand Hutton site.

Following the survey it was decided the scope of the works would be to design and manufacture “Four” generator control systems incorporating new doors and internal chassis plates suitable for fitting into the existing generator control panels.



The system was to have four generators independently backing up separate mains on each of the four blocks to work as ‘no break return’ operation along with individual G59/3 protection on each.

The generator control system was designed around ComAp Intelisys microprocessor based controller including TFT colour display modules. A Mains pro G59 protection relay was incorporated in our system to allow protection on ‘no break return’ function.

To ensure that there was no disruption to the site supply Control and Power Systems arranged for hire sets to be in place during the works

Control and Power Systems had decided pre wire the new fascia doors and internal plates at their factory to cut down on site time meaning install of each block was done in one working week and the total new systems was completed in a four week period.

Upon completion of the installation a full commissioning and testing procedure of the systems was successfully completed by Control and Power Systems engineers along with G59/3 commissioning in the presence of the DNO.

Further onsite training was also overseen for the onsite electrical team.



Once again Control and Power Systems signed off a project from initial site survey through design, manufacture, install and commissioning and left the site with a very happy customer.