

Case Study at Croydon Hospital

Croydon University Hospital is the main CHS hospital site, based just north of Croydon town centre the hospital has 24 hour Accident & Emergency Department, Maternity Unit with both a consultant-led service and a midwife-led Birth Centre, Special care baby unit (SCBU), Intensive care and high dependency units.



Operating theatres including four theatres dedicated to day surgery procedures.

The hospital has more than 500 beds and provides the following care:-

Around 27,000 people as elective (planned) in-patients a year. 41,000 people are admitted for emergency hospital care 350,000 are treated as out-patients nearly 120,000 people attend the Accident and Emergency department each year.

Our Challenge was to replace a switchboard within the original space, with the Orion having integral earthing for both Busbars and cable meant that unlike the fixed pattern there was no requirement for an additional switch for busbar earth thus reducing the overall width footprint.

Our involvement included electrical design drawings with new modern relays, incorporating synchronised control to check for synchronism with hospital generation. Delivery and off-loading. Onsite installation and build through to onsite commissioning of the product.

The Orion Arc contained Panels use the latest advanced technology and manufacturing process utilising an environmental friendly approach with the use of Vacuum interrupters, replacing the need for oil or SF6, it also uses the time proven method of vertical isolation with the facility to earth the cable circuit and the busbar circuit maintaining the existing philosophy that is well know within hospital distribution systems.

The Orion also compliments our new retrofit range that can also be utilised to enhance the life of the existing switchgear and replace the oil circuit breakers, OCB roll out VCB roll in.