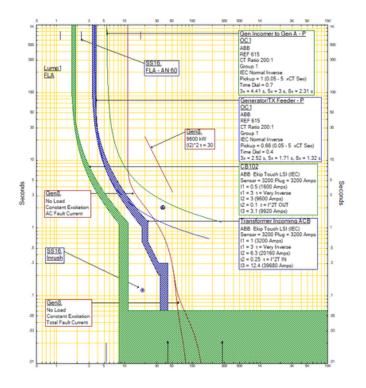


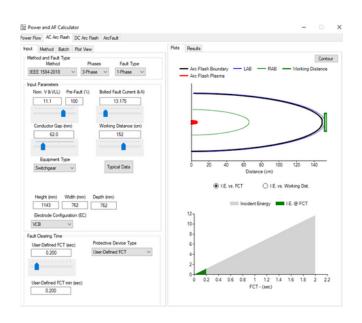
Empower your business by harnessing the knowledge and expertise of a leading power systems consultancy.



Discrimination, Selectivity and Grading Studies



Specialist HV and LV Arc Flash Studies



Nuisance Tripping
Investigations, Fault Finding
and Reporting



Detailed Visual Survey, Compliance, Corrective Feasibility and Surveying



Protection Relay Settings Commissioning & HV Switchboard Commissioning









COMMISSIONING RELAYS

Commissioning Settings, Retrofit & Modifications

Schneider



Micom Relays

Siemens



Siemens 7rs110

ABB



ABB relay

Others



Alstom MCAG Relay



Sepam Relays



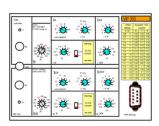
Siemens SIPROTEC



ABB REF Relay



Alstom REF Relay



VIP 300 Relay



Siemens Solkar



ABB REJ603



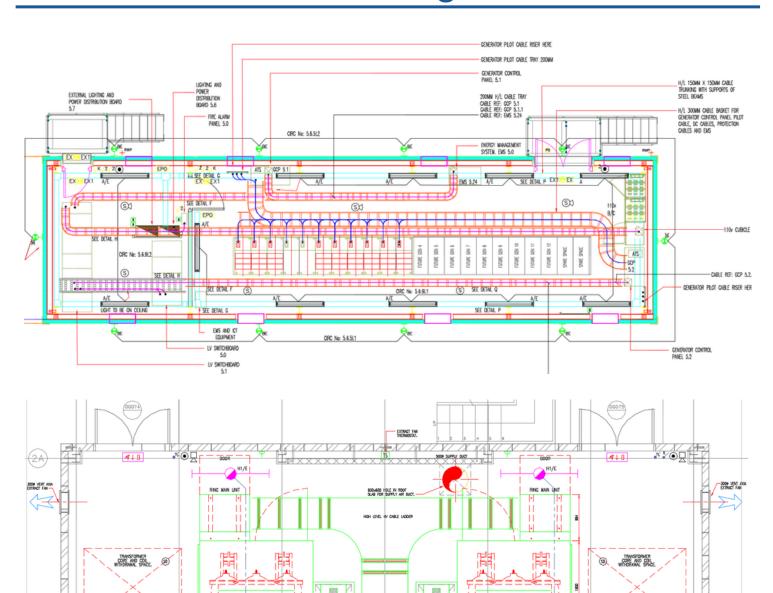
Fanox Relay

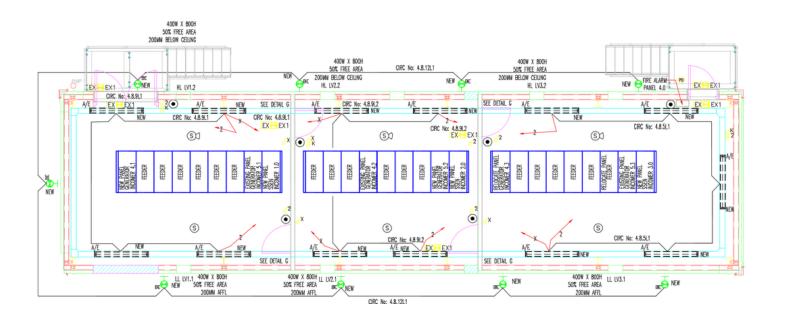


HV COLD COMMISSIONING SERVICES WHICH INCLUDE:

- Pressure tests
- Interlock checks
- DC functional tests
- CT and VT testing
- Ductor Tests
- Protection relay secondary injections with new applied settings from protection studies
- PMS and Scada Controls
- Witnessing at FAT or SAT
- Technical Reports
- Rewiring, Retrofit and Modifications

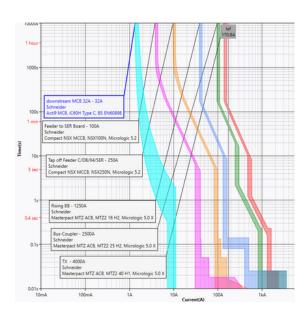
HV Design





TRANSFORMER 2000.XVIA 1100/400V. DELTA/STA DOWN VENT A

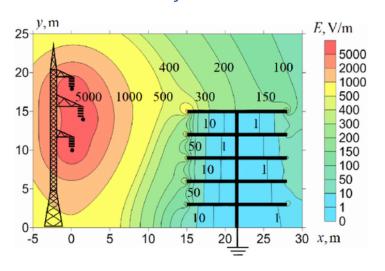
HV and LV Discrimination (Selectivity) Studies



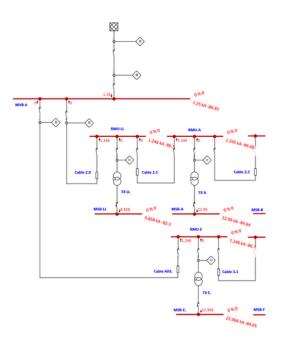
BS7671: Reg 536.2 Satisfactory Status Certificate of Selectivity



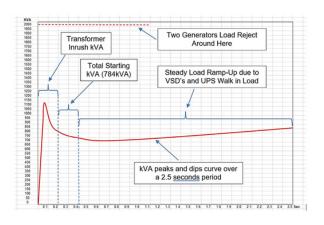
EMF and EMI Measured Survey Work



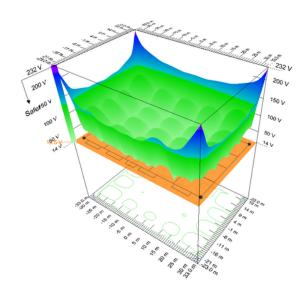
Short Circuit Studies



Transient Stability
Studies



Earthing Potential Rise Studies





High, Medium and Low Voltage Design

Our High, Medium and Low Voltage designs consider the overall design of the electrical network relating to power generation, distribution switchgear, protection and relay selection and power/distribution transformers.



Discrimination Studies

A Discrimination Study can help you to prevent unwanted power loss and breaker tripping. The objective of the study is to ensure safety and continuity of power to your electrical network.



Short Circuit Studies

Short Circuit Studies assess whether your switchgear has been sized correctly in the terms of three phase fault current withstand and that disconnection times are optimal to ensure safety of the installations. We provide in-depth reports for the design of both low voltage and medium voltage networks.



Earthing & EPR Survey

We conduct earthing potential rise surveys to ensure that earthing has been undertaken in the safest way possible, which is particularly important around MV/HV switchgear and substations. These surveys are crucial where there is a high potential of hazard to people or equipment.



EMC and Harmonics

We carry out strategic studies to ensure that your electrical design or installation complies with the Electromagnetic Compatibility (EMC) standards (IEC EN 61000). This can involve harmonic calculations, a power quality and harmonic survey, voltage studies and surge immunity studies.



Commissioning of HV Switchboards

To undertake the commissioning of HV Switchboards, including relay protection settings established for all Arc Flash Studies



HV and LV Arc Flash Studies

HV and LV Arc Flash Studies are used to identify the extent of a specific hazard within your facility and to minimise or mitigate the hazard when servicing the switchgear.



EMF Survey and Reports

Electromagnetic Field surveys and reports are used to detect magnetic fields in areas of work, hotels and offices. We provide EMF surveys and reports, compliant with WHO guidelines, for areas near MV/HV substations, transformers, ageing cables, undersized equipment and mobile phone masts.



Detailed Visual Survey, Compliance, Corrective Feasibility, Surveying

We carry out detailed surveys and feasibility studies to gather information, identify conditions, and make observations without the need for in-depth measurements or analysis.



Nuisance Tripping Investigations, Fault Finding and Reporting

Resolving nuisance tripping issues often requires identifying and addressing the underlying cause to ensure reliable and uninterrupted electrical supply. We provide seamless process of fault finding and reporting to ensure the best solutions.

