



PLC+HMI development for electrical installation

Code	EN512
Programme	FCT
Department	EN
Responsible	99941 - Ms. Sonia Infante
Title	
PLC+HMI development for electrical installation	
Description	
<p>The Electrical Group (EN-EL) is responsible for CERN's electrical transmission and distribution network from 400 kV to 400/230 V. Its main missions are to operate, maintain, extend and renovate the electrical network, make projections for CERN's electrical energy consumption and manage relations with the energy suppliers. The Electrical Network Control Section (EL-ENC) is responsible for the management of the CERN's electrical network supervision system, including design, software development, installation and maintenance of PLC based systems</p> <p>The selected candidate will contribute to the development of 3 PLC and HMI systems dedicated to the CERN AutoTransfer system, for the automatic reconfiguration of the 18kV electrical network in case of power loss, including the resupply from the Swiss grid in case of problems from the French grid.</p> <p>The PLC's will be connected to the electrical SCADA system for remote supervision. The candidate will additionally take care of integrating signals and alarms generated by the three PLC's in the SCADA database, I/O testing and commissioning of the whole system.</p> <p>.</p>	
Skills	
<p>Master degree in Computing or Automation</p> Knowledge of Schneider PLC programming would be an advantage</p></p>	
Disciplines	
Electrical Engineering	

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