

JOB DESCRIPTION

POST TITLE	Senior Software Systems Engineer		
DIVISION/DEPARTMENT	Technical Controls		
REPORTS TO	Head of Beamline Controls	GRADE	4

AIM

The design, development, commissioning and operational support of controls systems to support the design, development and operation of the accelerators and/or beamlines on the Diamond Synchrotron Light source.

ACCOUNTABILITIES

- Design and develop the Control System of one or more photon beamlines
- Commission and diagnose faults in installed Control Systems.
- Provide operational support and analysis of installed Control Systems
- Interface with internal customers, including Engineers and Scientists, at all stages of the development life cycle to, for example, developing requirements, track project progress, and verify operation of Control Systems
- Contribute to the processes and associated software development to support the design of Control Systems throughout Diamond.
- Report on progress in all areas on a periodic basis
- Liaise with, and supervise, contractors and suppliers of turn key Control Systems
- Provide technical expertise in software development and skill in software design for real-time embedded applications
- Project planning and coordination of projects relating to Control Systems for photon beamlines
- Maintain a current knowledge of the Control Systems on other, comparable, beamline and accelerator projects.
- Communicate details of Control System developments within Diamond and to other projects.
- Mentor and train more junior engineers as required.

Because of the changing nature of our business your job description will inevitably change. You will, from time to time, be required to undertake other activities of a similar nature that fall within your capabilities as directed by management.