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| **JOB DESCRIPTION** |

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| **POST TITLE:** | Senior Diagnostics Physicist |
| **DIVISION/DEPARTMENT:** | Technical/Diagnostics Group |
| **REPORTS TO:** | Head of Beam Diagnostics | **GRADE** | 4 |

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| **AIM** |
| Ensure the operation and improvement of beam diagnostics equipment. Undertake studies and developments to improve current performance and respond to future requirements.  |

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| **ACCOUNTABILITIES** |
| * Manage the operation, maintenance and continued improvement of installed beam diagnostics systems.
* Project manage the delivery of new diagnostics systems, on time and on budget using resource and procurement plans.
* Collaborate with the other groups to identify areas of research that would help to further improve diagnostics systems.
* Contribute to studies related to upgrades of Diamond.
* Communicate and collaborate with peers at other lightsources/accelerators to ensure exchange of knowledge
* Publish research results in journals or conference proceedings.
* Deliver high quality internal reporting and professional advice. Present findings to senior management and guiding future approach.
* Deputise in meetings as nominated by the group leader.
* Mentor and lead more junior staff or visiting students as required.

Specific:* Manage the maintenance and development of X-ray beam diagnostics in the front ends, and on beamlines as required.
* Provide specialist professional advice to beamlines to, supporting them in the specification, procurement, testing, installation, commissioning, and use of X-ray diagnostics.
* Deliver reporting on X-ray beam stability in order to guide future beamline design and operation.
* Undertake research to improve beamline X-ray beam position monitors and develop new techniques.
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**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.**