PERSON SPECIFICATION

KTP Associate in next generation infrared detectors: Department of Physics & Amethyst Research Ltd
Ref: A2658

Criteria	Essential/ Desirable	Application Form / Supporting Statements/ Interview *
PhD in Semiconductor Physics, electronics or materials	Essential	Application Form
Experience of narrow gap III-V arsenide / antimonide growth by MBE	Essential	Application Form/Interview
Experience of narrow gap III-V arsenide / antimonide device fabrication in cleanrooms	Essential	Application Form/ Interview
Experience of infrared detector characterisation at room temperature and in cryostats	Essential	Application Form/ Interview
Willingness to undertake additional training to meet the requirements of the job	Essential	Interview
Able to work flexibly and under pressure to meet the demands of the company	Essential	Interview
Analytical in approach and innovative in problem solving	Essential	Supporting Statements/ Interview
Basic numerical modelling skills	Essential	Application Form/ Interview
Must be able to communicate effectively in a non-academic environment and be able to translate academic approaches for a business audience	Essential	Application Form/Interview
Able to work collaboratively and as part of a team	Essential	Supporting Statements/ Interview
Ability to work independently to agreed targets and timescales	Essential	Supporting Statements/ Interview
A rigorous and professional attitude.	Essential	Interview
Basic project management skills	Essential	Application Form/ Supporting Statements
Good report/paper writing and presentation skills	Essential	Application Form/ Interview
Excellent oral and written English	Essential	Application Form/ Interview
Good publication record	Desirable	Application Form
Previous exposure to conducting or interpreting research in a business environment.	Desirable	Application Form/ Supporting Statements

- **Application Form** – assessed against the application form, curriculum vitae and letter of support. Applicants will not be asked to answer a specific supporting statement. Normally used to evaluate factual evidence eg award of a qualification. Will be "scored" as part of the shortlisting process.

- **Supporting Statements** - applicants are asked to provide a statement to demonstrate how they meet the criteria. The response will be "scored" as part of the shortlisting process.
- **Interview** – assessed during the interview process by either competency based interview questions, tests, presentation etc.