



## Development Engineer

Based in West Lothian, **Kaiam** is an emerging market leader in the research, development and manufacturing of optoelectronic equipment used within data-communication centres and the telecommunications industry. Founded by leading technologists from the optical networking industry, the team has a track record of delivering breakthrough approaches that change the rules of the marketplace.

In this role, based in Livingston, you will be responsible for the development and validation of new ideas. Apart from research, modelling and design of new approaches in our photonic light circuits, you will be spending time in the R&D lab where ideas are tested for our integrated photonic products. The role will report into the optics design team manager.

### Duties & Responsibilities:

You will take initiative and responsibility for development tasks in the research projects in the optics design team. Most of these programs are aimed at the next generation products. As a company we build transceivers using our internal photonic engines. Kaiam is continuously improving the quality and manufacturability of the optical engines, with a short term focus on (wafer-level) test and assembly automation. Our current products are deployed in hyper cloud data centers and carry 100Gb/s, 25Gb/s per laser. With each laser having its own wavelength. The four wavelengths are muxed onto a single fiber using the plc mux. Future products will carry more data, and will mux more lasers to achieve 400Gb/s combined capacity next.

Another active program is where Kaiam products address the requirements for the next generation mobile networks, indicated as 5G. These products operate in antenna base stations which require specific features, like wide operating temperatures, low loss, and stringent temperature stability. You will be investigating different material systems and design options to develop products that achieve these 5G requirements with long-term reliability.

### Essential requirements:

- PhD Degree in Chemistry, Physics or Electronics
- Familiarity with Optics
- Previous hands-on experience and programming for test equipment



Desirable:

- Familiarity with reliability testing and materials screening
- Strong verbal and written communication skills

In exchange, we offer a competitive salary (based on experience), life cover, pension, cycle to work scheme and generous holidays.

Kaiam always strives for excellence so if you can bring us relevant qualifications and experience to help us achieve this then we would like to hear from you. We are looking for employees with talent and potential, so if you're upbeat and motivated why not join us and be part of something exceptional?

If you feel you can successfully fulfil this role, please apply by sending your CV to: [recruitment\\_uk@kaiamcorp.com](mailto:recruitment_uk@kaiamcorp.com)