



Job Description

Title:
Senior Reliability Engineer

Reporting to:
Engineering Manager

General Description

Challenging and rewarding role in a small high technology company specialising in the development of harsh environment optical sensors for use in the Aero-Engine, Automotive and Power Generation industries. The successful candidate will be required to play a major role in developing and implementing the company's reliability strategy and product test and qualification programmes.

Main Duties

Principally, the candidate will be required to lead the company's reliability and qualification programmes which will involve experiments to study and characterise material interactions at elevated temperatures and to predict and eliminate potential failure modes of its components and finished products.

The candidate will also be asked to assist the technical team in characterising a number of manufacturing processes required to build and assemble optical sensors. This will involve designing and running experiments on a variety of purpose built machines and testing rigs.

In addition, the candidate may be required to specify and set up in house characterisation facilities as appropriate.

Crucially, the candidate will be required to assist the company in devising and implementing its product qualification strategy to satisfy requirements of both customers and external certification such as ISO9000/1.

Skills and Qualifications

It is assumed that the successful candidate will have a good knowledge of materials science and a strong track record in failure analysis/reliability programmes in industry. The candidate should be familiar with a wide number of materials analysis techniques such as SEM, TEM, FIB, X-ray etc.

This responsible position requires an individual with exceptional analytical skills and a practical temperament with the vision and leadership required to implement key components of company strategy.

The candidate will typically have a relevant first degree in Physics or Engineering and a proven industrial track record. Experience within the gas turbine industry or "extreme high reliability" e.g. aeronautical, process or nuclear industries would be a significant advantage.

CONFIDENTIAL