

Senior Mechanical Design Engineer

JOB DESCRIPTION

(Released: March 2019)

Company Technical Profile

Thermoteknix Systems Limited is a successful, international award winning company which has been established for over 30 years. We pride ourselves on being a friendly and successful, hi-tech, innovative Cambridge based company, supplying a world-wide market. We are a medium sized company engaged in the design, manufacture and sale of hardware and software for the thermal imaging and infrared industries.

Thermoteknix designs and manufactures infrared cameras and modules for security, aerospace, military and industrial applications, in small to medium volumes. Products range from heavily engineered industrial air cooled cameras for cement furnaces, to miniature infrared cameras for unmanned aerial vehicle (UAV) applications.

The company is privately owned and operates from premises in Waterbeach, Cambridge, UK. It has been recognised by The Queen's Awards both for Export and Innovation and is ISO 9001:2015 certified.

Candidate

Thermoteknix are now looking to recruit an experienced **Senior Mechanical Design Engineer** reporting to the Head of Mechanical Engineering and working alongside our existing Mechanical Design Engineers on a variety of infrared thermal imaging related projects. This position will be based at our Head Offices in Waterbeach, just North of Cambridge.

Work Profile

This post will involve working in the mechanical engineering department on new product design and development. The work will involve 3D modelling (Solidworks), design analysis, drafting, supplier and customer liaison, prototype building, product testing and production support.

In addition we will expect the candidate to be able to contribute significantly to project development both as a lead technical role and as project manager. Our projects normally involve contributions from our electronics, software and production engineers and the candidate must have the familiarity/experience with these to be effective in a multidisciplinary team.

Academic Qualifications

The role would suit a candidate who is bright / industrious, with a proven academic record, and a good mechanical engineering degree.

Experience Required

Candidates should be able to demonstrate a sound understanding of the technologies involved in their current experience. The successful applicant will be genuinely interested in the process of mechanical design and product development and capable of being individually responsible for their work and share responsibility with others. The individual should have energy and be strongly self motivated, equally happy undertaking everything from leading edge design to straightforward mechanical drafting. In addition they should have the enthusiasm and drive to contribute and inspire team success.

In addition to a good academic background and relevant experience, the candidate should have the ability and enthusiasm to find out about, and work in, new areas. A demonstrable commitment to producing 'right first time' on-schedule, quality work is essential.

Candidates should be able to show their ability to work in a 3D modelling environment (preferably Solidworks), produce high quality drawings and show evidence of working on new product design and development.

Other skills that would be beneficial include: rapid prototyping, injection moulding, 3D surface modelling, FEA and thermal analysis, design of military products.

www.thermoteknix.com