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## Additive Manufacturing Applications Engineer

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Location: Bicester, Oxfordshire  
Contract: Permanent  
Report to: Engineering Project Manager  
Salary: Negotiable dependent on experience

### About KWSP

KWSP operates within the high-performance engineering sector – designing, manufacturing and supplying complete solutions.

Evolved out of its sister company KW Motorsport, KWSP provides services to meet the rapid growth in demand for a non-conventional approach to the integration of new processes and technologies into high performance engineering and manufacturing.

Guided by the principles of motorsport, the need for speed, efficiency and precision through the use of technology, materials and processes, KWSP takes a disruptive approach to a clients' creative ideas - facilitating the transfer of knowledge from one sector to another. We work in many sectors including high performance engineering, automotive, motorsport and bespoke machine design.

### Our capabilities include

- High Performance Engineering
- Digital Fabrication
- Additive Manufacturing
- Automation
- Lightweight structures and composites
- Industrial Inkjet
- High Performance Engineering project management
- Special purpose machine design and manufacture

### Job Description:

- KWSP is working at the cutting edge of the growing additive manufacturing market space producing lightweight, high performance plastic and metal parts for the aerospace, automotive, motorsport and medical sectors.
- The company is developing a 18,000ft bespoke additive manufacturing facility embedded within the Silverstone technology cluster
- We are seeking a talented engineer to develop with our growing business of additive and composite application engineering work loads
- Experience within the additive and composite manufacturing environments is a prerequisite, along with a proactive, self-starting attitude.
- Key position deliverables;
  - Developing additive engineering methodology, along with processes and manufacturing strategies to achieve both business and customer needs from first principles.
  - Engineering project delivery of customer projects – composite and additive
  - Evaluate the latest advancements in AM; assess the machines and process standards for both polymers and metals for suitability at KWSP
    - Machine function

- Software function
- Process delivery
- Knowledge and competency of multiple design of CAD (Solidworks, Magics etc) for both additive and composite manufacturing
- All applicants are required to have;
  - Bachelor's degree in Materials Engineering, Mechanical Engineering, or related technical discipline with typically a minimum of 3 years or equivalent, ie apprenticeship, time served experience / training
  - Ability to conduct material science analysis, characterization, simulation, test and/or verification of AM hardware.
  - Complete process knowledge for metal Additive Manufacturing (3D Printing) to make successful build, either steel, titanium or aluminium.
  - Desirable to have knowledge of composite manufacturing engineering design process, specifically prepreg material matrix's
  - Ability to prioritise work and multitasking a wide range of deadlines and projects
  - Confident in interrogation of engineering drawings and use of CAD/build software
  - Self-motivated and Self-Starter
  - Able to work well within a team
  - Ability to work under own initiative
  - Flexible as to sector and project types
  - Able to demonstrate an excellent attention to detail
  - Able to demonstrate a commitment to quality and meeting customer requirements
  - Have a flexible approach to work and hours

This role is suited to someone with career experience

The role may require you to work out of main office hours or to travel around the UK or abroad and spend periods of time with our customers off site.

Whilst every effort has been made to explain the main duties and responsibilities of the post, each individual task undertaken may not be identified.

Employees will be expected to comply with any reasonable request from a manager to undertake work of a similar level that is not specified in this job description.

To apply for this role please send a CV and covering letter to [recruitment@kwspecialprojects.com](mailto:recruitment@kwspecialprojects.com). In your covering letter please **provide examples to demonstrate you have the competencies, skills and experiences referred to in the Person Specification section.**

KWSP is an equal opportunities employer