UTC Aerospace Systems

UTC Aerospace Systems is among the largest global suppliers of technologically advanced aerospace and industrial products. We design and manufacture aerospace systems for commercial, regional, corporate and military aircraft and are a major supplier for international space programs. Our industrial products serve industries ranging from hydrocarbon, chemical and food processing to construction and mining.

Engine & Control Systems (E&CS) provides complete jet engine controls and accessory packages. From the fuel tank to the ignitors, we have the resources and expertise to design, qualify, and manufacture first in class central systems for our aerospace engine customers.

The UTAS Marston site in Wolverhampton has been providing products for aerospace use for over 90 years; from the inception of aircraft and aero-engine manufacture in Great Britain. Today we supply an integrated range of heat transfer and fluids management products for commercial and military markets, including heat exchangers, metallic and flexible hoses, fuel manifolds and ozone converters.

UTAS Marston is looking for a Senior Design Engineer to join our team.

Title: Senior Design Engineer

Location: HS Marston Aerospace Ltd - Wolverhampton

Labour grade (not to be published):

Position summary:

The Senior Design Engineer is responsible for new product designs at UTAS-Marston whilst identifying opportunities to improve existing products. .

Responsibilities:

- *Interpret customer specifications to generate compliant design solutions for heat transfer and fluids management products.*
- *Development of new designs from concept through to full production.*
- *Generate 3D cad data and engineering drawings using Siemens NX.*
- *Co-ordination and development of off shore engineering resource.*
- *Work closely with the manufacturing function to ensure cost compliant and robust design configurations are achieved.*
- *Carry out tolerance stack up calculations to verify assembly and interface conformance.*

- *Oversee and implement engineering design changes.*
- *Mentoring of team members - design engineer, industrial placement students and apprentices*
- *Prepare material to support and participate in engineering design reviews.*
- *Generate engineering documentation to support programme deliverables.*
- *Support business development bid and proposal activities as required.*
- *Work closely with stress and thermal teams to produce optimised designs.*
- *Support continuous improvement activities as required (ACE operating system).*
- *Undertake technical investigation using RRCA techniques.*
- *Support Design Failure Modes and Effects Analysis generation to facilitate robust product design.*
- *Liaison with customers and suppliers to resolve product design issues.*
- *Participate in the creation of engineering design standards.*
- *Engineering signatory, drawings, documents and non-conforming parts.*

Requirements:

- *Educated to degree level in a mechanical or aerospace engineering discipline.*
- *5 years aerospace design experience.*
- *Siemens NX proficient, modeling, drafting and assemblies (fully conversant in robust parametric modeling techniques).*
- *Comfortable challenging existing methods and suggesting improvements.*
- *Understands and can apply geometric dimensioning and tolerancing.*
- *Teamcenter PLM experience (desirable).*
- *Experience of fabrication, brazing and welding assembly processes (desirable).*
- *Microsoft Office, Word, Excel and PowerPoint.*
- *SAP (desirable).*
- *Excellent attention to detail.*
- *Flexible working attitude.*
- *Willingness to travel overseas to support company business.*

Anyone wishing to apply for the above vacancy should send a CV and covering letter to the Human Resources Department.

Internal and external candidates will be considered.

The closing date for receipt of applications is **19th May 2017**

This position may involve access to export controlled information and hardware where an export license would be required for compliance with applicable laws and regulations. Employment will be subject to satisfactory security checks, export license approval, and if required, completion of a non-disclosure agreement.