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# ATKINS

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## Senior Risk Assessment Engineer

**Company:** Atkins  
**Location:** Derbyshire, United Kingdom  
**Job sector:** Science & Engineering  
**Job type:** Permanent  
**Reference:** DA5290

**We are now seeking the right individuals at a number of levels to join our growing Defence team in Derby, which provides specialist technical, mechanical engineering.**

### Job Summary

Atkins Defence systems is a progressive and rapidly expanding part of the Atkins group of businesses. We provide high end technical and project management services to the prime Defence companies.

We are now seeking the right individuals at a number of levels to join our growing Defence team in Derby, which provides specialist technical, mechanical engineering, safety and reliability and project management services primarily to Rolls-Royce, supporting their ongoing commitment to the UK MoD Submarine Programme.

We are seeking Senior Risk Assessment Engineers who are able to demonstrate sufficient and appropriate mechanical engineering analytical capability to deliver a range of technically challenging projects and to support the development of risk assessment and safety cases in the nuclear industry.

Based at Atkins' offices in Derby, some work outside normal office hours may be necessary. Travel to and from client sites and/or temporary secondment to clients offices may also be required.

### Requirements

\* Due to the nature of work undertaken at our client's site, incumbents of these positions are required to meet special nationality rules and therefore these vacancies are only open to sole British Citizens. Applicants who meet this criteria will also be required to undergo security clearance vetting, if not already security cleared to a minimum SC level.

### Essential

- Suitable scientific or engineering degree
- Sound technical or engineering background
- Post-graduate experience in the nuclear industry
- Experience in the production/application of 4 or more of the following:

- o Fault Tree Analysis
- o Event Tree Analysis
- o Failure Modes, Effects and Criticality Analysis
- o Hazard and risk assessments
- o Human Reliability Analysis (HEART, THERP, etc.)
- o Common Cause Failure Analysis (e.g. partial Beta factor method)
- o Fault Schedule Production

\* Ability to integrate (the output from) the above processes into currently available PSA software tools.

\* Good communication and presentational skills

\* Experience of liaising directly with clients

\* Ability to recognise and assist in the development of business opportunities.

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### Mechanical Design Engineer

**Company:** Atkins  
**Location:** Berkshire, United Kingdom  
**Job sector:** Science & Engineering  
**Job type:** Permanent  
**Reference:** DA0024

**We also work on complex engineering equipment projects, like the rigs we're currently designing for Rolls Royce which will be used to test the propulsion components.**

An overview of our business area

Facilities Design and Engineering is an exciting and fast-growing team in Defence. What sets us apart is the scale and complexity of the projects we work on for the MoD and their suppliers. Our 70 strong team work on over 100 defence related projects worth £30m a year (2008/09). In fact, we often need to call on the expertise of designers and engineers from other areas of the Atkins Group, which means building strong relationships across the business.

For example, the large facilities we're designing for AWE – at a total spend of £1bn – involve a multidisciplinary design team of 175 engineers. We also work on complex engineering equipment projects, like the rigs we're currently designing for Rolls Royce which will be used to test the propulsion components for the next generation of nuclear submarines.

So, although we're a relatively small group, Facilities Design and Engineering accounts for around half of the total turnover in the Defence business – and our work with both new and existing clients is set to increase.

The key areas of our business are:

- \* Project and Design Management
- \* Facilities Design (Civil & Structural Engineering)
- \* Mechanical Engineering Design
- \* Building Services Engineering
- \* Process Engineering
- \* Electrical Control and Instrumentation
- \* Safety Case Development

Join us and you'll be part of a talented, multi-skilled team. Much of the work we do is at the forefront of defence, so you'll be challenged on every project. But you'll also develop your expertise and experience by working with experts driven to deliver the right solution every time.

About this role

Atkins is one of the country's leading designers of complex facilities at nuclear-licensed sites. We are currently undertaking design services in support of an ongoing programme of modernisation and refurbishment at 2 major sites in Berkshire.

We are seeking applications from experienced Mechanical Design Engineers to join the Atkins multidisciplinary design team, working on an exciting major project. You must be committed to training and career progression, and will be offered the opportunity to work in different areas of the company if desired.

Based at Atkins' offices in Silchester, Reading, the majority of the work will be undertaken within the bounds of our client's premises.

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