

Job Profile – Electrical Engineering Consultant

Location	UK – Stockton-on-Tees
Reports to	Head of Electrical Engineering & Consultancy Group
Remuneration Package	The remuneration package is flexible dependent on the applicant. The post could be a part or full time staff role.
The Company	<p>TAS Engineering Consultants are part of the GSE Systems group of companies. TAS are long established in Electrical, Control, Instrumentation and Automation Engineering. From roots in the process sector, TAS has successfully diversified to operate throughout the UK and beyond in a wide range of industrial sectors.</p> <p>GSE Systems provides high-fidelity simulators, engineering, training and educational solutions to the power and process sectors globally. TAS became part of the GSE Group in 2010.</p> <p>As part of GSE's growth strategy, TAS wishes to further develop its Electrical Engineering Consultancy Capability. The required level of capability will allow GSE / TAS to secure and perform a wide range of consultancy assignments in the UK, Europe and beyond.</p> <p>TAS is seeking to recruit competent professionals to join its Electrical Engineering Consultancy Group.</p>
The Role	<p>Electrical Engineering Consultants within the GSE Group will work on a large range of challenging projects.</p> <p>The current portfolio of TAS services are employed by operators of high hazard or high availability facilities typically Control of Major Accident Hazard (COMAH) sites, Power Generation, Data Centres, Offshore Oil and Gas Platforms, Rail & Transport Networks and Manufacturing Plant.</p> <p>The electrical aspects of the current portfolio where this post holder will work include :-</p> <p>Electrical Studies</p> <ul style="list-style-type: none"> TAS currently undertake: a full range of studies including; Fault level Protection co-ordination Load flow Transient analysis Motor starting Arc energy calculations

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All utilising SKM Power Tools software

A key forward development is to identify and implement a grid simulation package to enable modelling of the new active grid evolution encompassing wind, photovoltaic's, micro generation, co-generation, flexible response fossil power stations etc

A further key development is to build a capability within TAS to implement simulation solutions in control and electrical systems using the GSE JADE simulation language.

Electrical Systems Management

Arc Flash Hazard Analysis

Auditing

Development and delivery of improvement plans

Provision of part time electrical duty holders

Review and creation of procedures and standards

Hazardous Areas/ATEX

Dangerous substances and Explosive Atmospheres Regulations (DSEAR Risk Assessments)

Hazardous area classification

Mechanical equipment ATEX risk assessments

Hazardous area equipment inspection and risk assessment

This role is fee earning and it is a fundamental requirement that the declared utilisation factor for the role in terms of billable hours is consistently achieved.

While the Group is expected to deliver high quality, high level Electrical Engineering and Consultancy work a key secondary role of the group is to attract new and diverse clients to TAS.

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Person Specification	<p>The successful candidate will ideally demonstrate:</p> <ul style="list-style-type: none"> Experience in responsible position(s) within an operating facility typically. HSE familiarity with significant success in meeting concurrent safety and operational demands. Experience in a fee-based consulting environment will also be an advantage.
Qualifications	<p>The successful candidate is likely to be degree qualified and have achieved or is working towards Chartered Engineer Status in Electrical engineering.</p>
Capabilities	<p>Desirable candidate capabilities include:</p> <ul style="list-style-type: none"> Business and commercial acumen; Appreciation and understanding of relevant UK, European & international standards, codes of practice and procedures; Ability to work as a team member, increasingly with international parts of the GSE Group; Enhanced problem solving ability; Ability to work to tight deadlines with limited resources; Understanding of client project requirements; Literacy in MS Office desktop applications, management systems and engineering software; Excellent presentation skills; Proven leadership skills; Innovative and creative thinking capabilities; Excellent aural, verbal and written communication skills; Capacity for sound judgement and decision making; Project Management;

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