

JOB DESCRIPTION

Project & Commissioning Engineer

- Full Time
- 40 hours per week plus travel

Department	Region	Office
Projects	Europe	Home Based

ABEC Background

ABEC is an Energy and Building Management System Specialist carrying out new Installations & Projects, Maintenance and Energy Management Services.

This is a fast growing company main offices in Tewkesbury and Wokingham, and satellite offices in London, Birmingham & Ireland, consisting of over 60 staff and a network of sub-contractors and suppliers with a plan to grow considerably over the next few years.

The Role

ABEC undertakes a number of projects across Europe for key clients and is now looking to expand its team due to a number of new projects secured and in the pipeline in the countries of Germany, France and Switzerland.

The Project / Commissioning Engineer will be responsible for designing and engineering BMS projects of varying sizes and types. A strong understanding of mechanical and electrical services, HVAC systems and applications, Control Panels, Building Management Systems and discrete controls is a necessity. The Project Engineer will work closely with Project Managers and customers in providing a technically sound solution on time and in budget.

For on site activities the engineer will be responsible for commissioning, demonstration and handover of BMS projects of varying sizes and types.

A strong understanding of mechanical and electrical services, HVAC systems and applications, Control Panels, Building Management Systems and discrete controls is a necessity.

The engineer will work closely with the relevant Project Managers, to provide our customers a fully working system on time and in budget. The engineer will take complete ownership of the tasks scheduled to him / her, and ensure the activities are completed in a professional and fully complete and robust manner to ensure the quality output of service of which the company strives to achieve.

Responsibilities

1. Carry out to high standards, on-site pre-commissioning / final commissioning of Building Management Systems and associated technologies.
2. Be solely responsible in the demonstration and hand over of fully operational systems for acceptance by the customer.
3. Be responsible for ensuring pertinent documentation (commissioning handover and training records for example) are all signed and maintained appropriately in real time.
4. Maintain accurate and timely communication on all matters with the ABEC project manager.
5. Be responsible in ensuring work efficiency is maintained to complete tasks within or ahead of allocated time frames / programme, and delays.
6. Assist project manager to achieve a 'zero defect' delivery of all projects.
7. Provide on-site coordination with client and sub-contractors as needed / directed by the ABEC project manager.
8. Ensure sites are cleared of equipment and materials / products prior to handover / demonstration / completion. Ensure sub-contractors comply.
9. Carry out internal and external factory acceptance testing of control panels, including demonstrations, witnessing and customer training.
10. Be responsible to ensure health and safety procedures and standards are followed on site. Ensure all Health and safety documentation is filed, maintained and updated on site.
11. Carry out all tasks associated with the design of a Building Management System, including application engineering, control panel design / approval, operation and maintenance manuals, software, computer aided design, factory acceptance testing, graphics and commissioning.
12. Be responsible in ensuring engineering budgets and programme requirements for individual project tasks are maintained or improved upon.

13. Provide technical support to project managers, service / commissioning engineers and all staff.
14. Consider and review alternative engineering methods and products to improve quality and costs.
15. Be responsible in ensuring tasks are accurately recorded on timesheets. Provide regular progress updates / engineers reports to project managers. Ensure any issues / delays are recorded and communicated to project managers.
16. Mentor and support other engineers.
17. Provide off-site / on-site training for internal and external engineering / commissioning resource.
18. Ability to write and modify software as necessary, and carry out project engineering tasks as required.
19. To undertake any other duties as requested by senior staff within ABEC.

Liaise with

<ul style="list-style-type: none"> • Senior Commissioning Engineer • Project manager(s) • Contracts Manager • Projects Co-ordinator(s) • Projects Engineer(s) • Commercial Manager • Operations Director 	<ul style="list-style-type: none"> • Commissioning Engineer(s) • Graphics Engineer(s) • Maintenance Department • Energy Department • Technical Department • Sales Department • Accounts department
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Line Management

The line manager for this role is the Contracts Manager

Relevant experience, skills & knowledge

Essential	Desirable
<ul style="list-style-type: none"> • Minimum 5 years of experience commissioning building management systems. • Experience of commissioning Projects in the order of £100k in contract value. • A good understanding of a variety of mechanical and electrical building services. • Fluent with Microsoft Excel and Word. • Fluent with Trend and or Schneider building management system manufacturer, to facilitate writing and commissioning of controller / network, software and graphics. • Minimum 2 years of experience and demonstrable competence of commissioning integration products and protocol exchange software such as TONN, 	<ul style="list-style-type: none"> • Minimum 10 years of experience commissioning building management systems. • Experience of commissioning significant sized projects (ie, over £250k in contract value).

Tridium, SIPs using Modbus, BACnet, M-Bus etc.	
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Relevant qualifications

Essential	Desirable
<ul style="list-style-type: none"> • Suitable qualification to demonstrate electrical competency around the electro-technical aspects of control panels, LV and ELV installations associated with our industry (such as C&G 2391, 2356 or NVQ Level 3 Electrical Qualification). • Trend Expert level qualification / and one other manufacturer equivalent (Delta / Siemens / Tridium). • HVAC application of controls qualification. • Various industry related product specific technical engineering courses. • CITB / SSSTS H&S accreditation or IOSH equivalent. • ECS CSCS accreditation as "Controls Engineer". • First Aid Trained • PASMA accreditation. 	<ul style="list-style-type: none"> • BEng (Hons) Building Services Engineering / Controls and Instrumentation. • IPAF (3a and 3b) accreditation.

Communications and interpersonal skills

Essential	Desirable
<ul style="list-style-type: none"> • Excellent written & verbal communication skills. • Accuracy and attention to detail. • Proactive attitude. • Comfortable working as part of a team. • Customer focused approach. 	<ul style="list-style-type: none"> • Excellent man management skills

Salary and Benefits

- Salary dependant on experience and qualifications.
- Company car allowance (or cash equivalent) of £4,800 per annum.
- 3% employer pension contribution.
- X3 basic salary life assurance.
- Oversees allowance.
- 25 days annual holiday entitlement (plus bank holidays).