

Automated Building and Energy Controls Limited

JOB DESCRIPTION

Project Engineer

- Full Time
- 40 hours per week plus travel

Department	Region	Office
Projects	National	All

ABEC Background

- ABEC is an Energy and Building Management System Specialist carrying out new Installations & Projects, Maintenance and Energy Management Services.
- ABEC is a fast growing business with offices in Tewkesbury, London and Wokingham, consisting of over 80 staff and a network of sub contractors and suppliers with a plan to grow considerably over the next few years.

The Role

The Project 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. A Project Engineer will work closely with Project Managers and customers in providing a technically sound solution on time and in budget.

Responsibilities

1. 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.
2. Be responsible in ensuring engineering budgets and programme requirements for individual project tasks are maintained or improved upon.
3. Review, maintain and utilise a standard library of documents, schedules and software ensuring standards and quality are maintained. Ensure consistency with each and every project.

4. Assist the Technical Department during product testing, research and development activities and quality checks on projects.
5. 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.
6. Provide technical support to project managers, service / commissioning engineers and all staff.
7. Assist with commissioning activities when required.
8. Consider and review alternative engineering methods and products to improve quality and costs.
9. To undertake any other duties as requested by senior staff within ABEC.

Liaise with

- Operations Manager (Projects)
- Project manager(s)
- Projects Co-ordinator(s)
- Projects Engineer(s)
- Quantity Surveyor(s) / Commercial Manager
- Commissioning Engineer(s)
- Graphics Engineer(s)
- Maintenance Department
- Energy Department
- Technical Department
- Sales Department
- Accounts department

Line Management

The line manager for this role is the Engineering Manager

Head Office

7 Miller Court, Severn Drive, Tewkesbury Business Park, Tewkesbury, Gloucestershire GL20 8DN
T 01684 853 780 E enquiries@abec.co.uk www.abec.co.uk

Regional Offices Birmingham, Cardiff, Horsham and London

Automated Building and

Energy Controls Ltd

Registered in England
and Wales No: 5055271

Relevant experience, skills & knowledge

Essential	Desirable
<ul style="list-style-type: none"> • Minimum 5 years of experience engineering building management systems • An excellent understanding of mechanical and electrical building services, control applications, and BSRIA and CIBSE Industry guidelines. • Fluent with Microsoft Excel and Word • Fluent with 1 or more building management system enabling the writing of controller / network software and graphics. • Minimum 5 years of experience commissioning building management systems. • Minimum 2 years of experience of integration products and protocol exchange software such as Modbus, BACnet etc. • Fluent with IT Networking / Internet Protocol design and implementation 	<ul style="list-style-type: none"> • Minimum 10 years of experience engineering building management systems • Experience of engineering significant sized projects (ie, over £500,000 in value) • Previous experience in training / development of others / junior engineers.

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 / other manufacturer equivalent. • HVAC Fundamentals qualification • Various product specific technical engineering courses • ECS CSCS accreditation • First Aid Trained 	<ul style="list-style-type: none"> • BEng (Hons) Building Services Engineering / Controls and Instrumentation. • PASMA accreditation • IPAF (3a and 3b) accreditation • CITB / SSSTS H&S accreditation or IOSH equivalent

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

Head Office

7 Miller Court, Severn Drive, Tewkesbury Business Park, Tewkesbury, Gloucestershire GL20 8DN
T 01684 853 780 E enquiries@abec.co.uk www.abec.co.uk

Regional Offices Birmingham, Cardiff, Horsham and London

Automated Building and

Energy Controls Ltd

Registered in England
and Wales No: 5055271