

Job Title:	Electrical / Controls Instrumentation Engineer
Hours of work:	35 hours per week (this is a full-time post)
Contract:	Fixed Term Contract
Salary:	Competitive
Location:	Located in Swansea or Gloucester (with possible UK -wide Travel)

About the project:	<p>The Active Building Centre is an ambitious, high profile, project of national importance.</p> <p>Active Building Centre Ltd, a Government-backed Research and Technology Organisation (RTO), are collaborating with industrial and academic partners to mobilise and deliver applied research, product development, commercial engagement and the realisation of a comprehensive demonstrator portfolio.</p> <p>Our goal is to revolutionise construction through the deployment of active buildings – transforming the energy and construction industry through new innovative building design.</p> <p>Growing from the success of existing Active Buildings we are developing an ambitious portfolio of advanced multi sector demonstrators which are sustainable, perform better, are more comfortable and will significantly contribute to decarbonisation.</p> <p>As part of a highly skilled team looking to transform the energy and construction industry and drive policy change, you will be open to new ideas, bring fresh thinking, and be ready to play your part in delivering the case for Active Buildings.</p>
About the role:	<p>Active Building Centre Ltd. is looking for an experienced, Electrical / Controls Instrumentation Engineer to join the Engineering team.</p> <p>You will need to have a background in electrical Control and Instrumentation with experience of either designing or technically supporting hardware-based relay logic systems or software-based control systems such as SCADA and PLC control. You should have had exposure to data acquisition systems and various data communication protocols.</p>
Key Responsibilities:	<ul style="list-style-type: none"> - Designing and developing new control systems.

	<ul style="list-style-type: none"> - Identification and selection of C&I equipment for compliant with project documentation / requirements. - Testing, maintaining and modifying existing systems. - Preparation of proposals in Instrumentation design. - Carry out Conceptual, FEED, Basic and Detail Engineering. - Revision of other disciplines documentation like P&IDs and Equipment specifications which are part of an interface with the Instrumentation Design. - Design in accordance with the engineering good practice, state-of-the-art and the international rules and standards as well as the project specific requirements. - Implementing and contributing to the development of the C&I design and procedures to ensure that all contractual requirements are achieved in a safe and cost effective manner. - Any other duties as Directed by the Chief Technology Officer of Active Building Centre Ltd. (or their nominated representative).
<p>Person specification:</p>	<p><u>Essential criteria:</u></p> <p>Experience:</p> <p>A minimum of 5 years experience as an Electrical / Controls Instrumentation Engineer</p> <p>Knowledge and Skills:</p> <ul style="list-style-type: none"> - Robust understanding of electrical engineering principles for developing and maintaining C&I systems; - Experience of designing or technically supporting C&I systems; - Knowledge of hardware-based control logic and/or software-based control; and Proficiency in understanding electrical and process engineering drawings; - Development / production of control and instrumentation design documentation. <p><u>Desirable Criteria:</u></p> <p>Exposure / skills in any of the following would be advantageous:</p> <ul style="list-style-type: none"> • Advanced process control (APC)



Active
Building
Centre

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| | <ul style="list-style-type: none">• Distributed control systems (DCS)• Digital Systems• Data Analytics• Control Systems |
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