



WILLIAM GRANT & SONS

## ROLE PROFILE

<b>Job Title</b>	<b>Controls and Automation Engineer</b>
<b>Business Unit / Group Function</b>	<b>OBU</b>
<b>BU Team / Sub-Function</b>	<b>Bottling Maintenance</b>
<b>Location</b>	<b>SBP &amp; Dufftown</b>
<b>Team Leader</b>	<b>Maintenance Area Leader</b>
<b>Team Members</b>	<b>0 (indirect reporting line)</b>
<b>Job Level</b>	<b>4a</b>
<b>Role Purpose</b> To support the Maintenance Area Leader, the Controls and Automation Engineer is responsible for designing, developing, implementing, and maintaining automated control systems within the manufacturing or production environment. This role involves optimising processes, ensuring the efficient operation of our assets, and improving the safety, quality, and performance of production systems through the application of control systems and automation technologies. This role will help define the future automation and controls skills required by the bottling technicians and deliver technician upskilling program to increase our human-machine interface knowledgebase.	
<b>Accountabilities</b> <b>System Design and Development:</b> <ul style="list-style-type: none"><li>• Design and develop control systems, including PLC (Programmable Logic Controllers), HMI (Human-Machine Interface), SCADA (Supervisory Control and Data Acquisition) systems, and other automated solutions.</li><li>• Select appropriate hardware and software platforms to meet specific project requirements.</li><li>• Develop control logic, schematics, and diagrams to outline system operations.</li></ul> <b>Implementation and Programming:</b> <ul style="list-style-type: none"><li>• Write, test, and debug PLC, HMI, and SCADA programs.</li><li>• Implement control strategies that optimise production processes that increase TNP.</li></ul> <b>System Integration and Commissioning:</b> <ul style="list-style-type: none"><li>• Oversee the installation and commissioning of control systems and upgrades.</li><li>• Conduct system tests to ensure proper functionality and compliance with safety standards.</li><li>• Troubleshoot and resolve issues during the commissioning phase of projects and upgrades.</li></ul> <b>Maintenance and Support:</b> <ul style="list-style-type: none"><li>• Provide ongoing maintenance and support for existing control and automation systems.</li><li>• Perform regular system audits to identify potential areas of improvement.</li><li>• Update and upgrade systems as necessary to enhance performance or comply with new regulations.</li></ul> <b>Continuous Improvement:</b> <ul style="list-style-type: none"><li>• Collaborate with production and technical teams to identify opportunities for process improvements through automation.</li><li>• Stay updated on the latest automation technologies and industry trends.</li><li>• Lead or participate in projects aimed at increasing operational efficiency, reducing costs, and improving product quality.</li><li>•</li></ul>	



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### **Safety and Compliance:**

- Ensure that all control systems comply with relevant safety standards and regulations.
- Develop and implement safety interlocks and fail-safes within automated systems.
- Conduct risk assessments related to automation and control systems.

### **Documentation and Training:**

- Create detailed technical documentation, including system manuals, user guides, and maintenance procedures and one-point-lessons for technicians.
- Train maintenance and operational team members on the correct use and troubleshooting of automation systems.
- Maintain accurate records of system changes and updates.

### **Qualifications (Preferred)**

#### **Education:**

- Bachelor's degree in Electrical Engineering, Control Systems Engineering, Automation Engineering, or a related field.

#### **Experience:**

- 3-5 years of experience in a similar role, preferably within a manufacturing or industrial environment.
- Hands-on experience with major PLC platforms (e.g., Siemens, Allen-Bradley, Mitsubishi).
- Experience with automation project management from concept to commissioning.

#### **Certifications:**

- Certification in PLC programming, robotics, or a related field is desirable.
- Familiarity with safety standards (e.g., ISO, IEC) and industry regulations.