

JOB DESCRIPTION & PERSON SPECIFICATION

Job title:	Apprentice Control and Electrical Engineer
Division/Department:	Site Engineering
Reports to:	Process Control Technician

The purpose of the job:	To install, maintain and improve all electrical and control systems throughout the site.
Learning Provided:	<p>Level 3 Engineering Technician Standard – Mechatronics Maintenance Technician Pathway</p> <p>College attendance will be required at the Advanced Manufacturing Research Centre Training Centre (AMRC Training Centre).</p> <p>The AMRC Training Centre is accessible by Car or Bus. NB: All apprentices must complete the University of Sheffield (AMRC TC) Assessment Centre.</p> <p>Duration: 48 Months (Standard to be completed and End Point Assessment passed within 42 months).</p>
The scope of the job:	<p>To ensure that all site wide equipment and machinery is operational. Involvement in successful delivery of key electrical and control projects around the site. Required to undertake both reactive and preventative maintenance to a wide range of combustion/ instrumentation/ control systems in a modern steel production facility.</p> <p>This will include working independently on faults and developing and implementing solutions as well as monitoring performance, predicting of failures and implementing improvements to increase safety, production output and plant reliability.</p>
The responsibilities of the job:	<ul style="list-style-type: none"> • Maintaining electrical and control systems on site • Design, build and install control panels that will integrate into new and existing plant and equipment • Working on complex hydraulic and pneumatic systems across site • Calibration of instrumentation • PLC Programming control and automation principles/SCADA

	System, Siemens, Opto22, Eurotherm <ul style="list-style-type: none"> • Ability to read, diagnose and understand any control electrical drawings and documentation to complete fault finding diagnosis • Understanding of hydraulic and pneumatic systems • Ability to carry out electrical testing and networking • Understanding of panel building and using hand tools (drill, saw, jigsaw etc) • Complete cable installation including conduit, glanding, termination and tray work • Capable of using calibration equipment, use of database, documentation and relevant works operating procedure • To adhere to Health and Safety rules and regulations
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Person Specification:

Specific qualifications required for the role:	Essential	Desirable
5 GCSEs at Grade 5-9s or equivalent including Maths, English and a Science	Y	
Personal qualities:	Essential	Desirable
Willingness to learn	Y	
Hardworking	Y	
Punctual	Y	
Attention to detail	Y	
Self-disciplined	Y	
Responsible	Y	
Ability to balance the demands of the learning programme and those of the working environment	Y	