

POSITION DESCRIPTION

Engineer - Electrical (Production)¹



Purpose Provide engineering support to assist in the identification of the root causes of defects, and develop and implement immediate, interim and long term regional plant improvement projects and strategies, to safely deliver the required availability and reliability of regional assets in the most effective and efficient way.

Key Accountabilities (what are 4-5 major areas of responsibility?)	Capability (what <i>minimum</i> knowledge & skills, both academic and experiential, are required to do the job?)
<p>Responsibility - Reliability</p> <ul style="list-style-type: none"> Identify, develop and implement technical solutions/plant changes, and coordinate tests and evaluations of plant condition Perform timely defect & breakdown investigation, fault finding, rectification and or recommendations as required on regional assets such as generating, transmission, control & data systems, and auxiliaries Analyse reliability data to identify trends, update priorities, and to improve and/or critique root cause analyses <p>Responsibility - Technical</p> <ul style="list-style-type: none"> Complete project and modernisation work utilising continuous improvement and project management techniques from design stage to implementation and standardisation Coordinate and undertake/assist complex designs, design modifications to existing plant, and modifications to PLC based control and SCADA systems Undertake engineering level plant condition assessments of major assets as well as lead and develop condition monitoring activities and programs Participate in and lead where appropriate, commissioning/recommissioning activities as required, providing advice and recommended procedures for operating plant under test conditions <p>Responsibility - Maintenance Processes</p> <ul style="list-style-type: none"> Initiate, improve and coordinate changes to; maintenance/ defect processes, plant strategies, maintenance plans, project programs and budgets. Review and assess significant routine maintenance work, including review of tasks, content, work methods, additional failure modes found, resources used, defects identified, data gathered and expected trends and recommend process improvements 	<ul style="list-style-type: none"> Bachelor Degree in Electrical Engineering. Demonstrated experience in plant reliability in heavy industry desired Demonstrated experience in computer programming and PLC systems Knowledge of hydro plant and control systems Knowledge of maintenance program requirements, analysis techniques and maintenance management practices Demonstrated fault-finding & plant diagnostic skills Ability to communicate with a range of personnel to provide a consistent, reliable and high level of service Computer skills involving, spreadsheets and statistical analysis Knowledge of OH&S, EEO and Environmental Policies and standards Demonstrate alignment with SHL's Values and Behaviours. Be available for short notice (1 hour) recall to duty when appropriate Required to carry out duties throughout the region, and in the other areas of the scheme as required May be required to be on an "On Call" roster

¹ PR0087 PW0056 PW0120

Safety, Values & Behaviours: Snowy Hydro has a focus and commitment to workplace safety and performance of roles in line with our values and behaviours. This role treats all relationships as true partnerships, which involves mutual cooperation and responsibility toward meeting shared objectives. These requirements are not measured independently and are the foundations of the successful performance.