

ELECTRICIAN

Business Area: Production

Location: Jet Park

Reporting to: Production Team Leader

Why this role exists

Pilot Crushtec designs and builds world-class crushing and screening equipment, and every machine depends on safe, reliable and high-quality electrical systems to perform in demanding environments.

The **Electrician** is responsible for assembling, installing, testing and commissioning electrical systems on Pilot equipment while ensuring every machine meets the highest standards of quality, safety and reliability before leaving the workshop.

This role combines technical expertise, precision workmanship and problem-solving to deliver electrical excellence throughout the manufacturing process.

Key Responsibilities

Electrical Assembly & Manufacturing

In this role, you will:

- Assemble electrical systems and components on Pilot Crushtec machines in accordance with approved Assembly Instruction Forms (AIFs).
 - Manufacture and install machine wiring harnesses and electrical assemblies.
 - Build electrical control panels from approved wiring schematics.
 - Read and interpret electrical diagrams accurately to ensure correct installation.
 - Ensure all electrical work complies with engineering drawings and company standards.
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Testing, Commissioning & Quality

You will also:

- Commission machines and verify the correct operation of all electrical systems.
 - Test electrical panels and components before final assembly.
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- Conduct fault finding and rectify electrical issues during production.
 - Assist in updating and correcting electrical schematics where required.
 - Identify and report non-conforming products through the appropriate Action Request (AR) process.
 - Deliver high-quality workmanship on every machine.
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Workshop Support & Continuous Improvement

- Maintain electrical workshop equipment and tools.
 - Support electrical maintenance within the workshop environment.
 - Maintain a clean, organised and safe work area.
 - Identify opportunities to improve assembly methods, quality or efficiency.
 - Contribute at least one practical improvement idea each quarter that enhances safety, quality or productivity.
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Problem Solving & Collaboration

- Resolve electrical faults efficiently and professionally.
 - Escalate technical challenges promptly when additional support is required.
 - Work closely with Engineering, Production and Quality teams to resolve technical issues.
 - Support continuous improvement initiatives across the production environment.
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Governance, Safety & Professional Conduct

- Adhere to all Pilot Crushtec policies, procedures and ISO requirements.
 - Maintain the highest standards of electrical safety and workshop compliance.
 - Ensure all issued PPE is worn correctly and consistently.
 - Promote safe working practices and protect both colleagues and equipment.
 - Represent The Pilot-Way through professionalism, accountability and pride in workmanship.
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Preferred Experience Required

- Minimum 3 years' experience in an industrial or manufacturing electrical environment.
 - Experience assembling electrical systems and control panels.
 - Experience reading and interpreting electrical schematics.
 - Understanding of health and safety legislation and electrical compliance standards.
 - Experience within heavy engineering or mining equipment manufacturing would be advantageous.
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Preferred Qualifications & Technical Skills

- Matric / Grade 12.
 - Qualified Electrician (Trade Test).
 - Valid Wireman's Licence.
 - Ability to read electrical schematics and wiring diagrams.
 - Strong electrical fault-finding and diagnostic skills.
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Preferred Attributes – The Pilot-Way Fit

We are looking for someone who:

- Takes pride in producing high-quality workmanship.
 - Works accurately with exceptional attention to detail.
 - Demonstrates ownership and accountability for their work.
 - Maintains a strong focus on safety and quality.
 - Solves problems methodically and practically.
 - Works effectively both independently and within a team.
 - Is organised, reliable and disciplined.
 - Continuously seeks opportunities to improve.
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The Ideal Individual

- Enjoys building world-class machines with precision and care.
- Understands the importance of quality at every stage of assembly.
- Takes ownership of electrical workmanship from assembly through commissioning.
- Is confident diagnosing and resolving electrical faults.
- Works calmly under pressure while maintaining high standards.
- Values teamwork and contributes positively to the production environment.
- Takes pride in representing Pilot through craftsmanship, professionalism and continuous improvement.
- Embodies The Pilot-Way by delivering excellence, supporting colleagues and always putting quality first.

Interested?

If this opportunity resonates with you, you meet the above requirements, or if you know someone who could fit into our family, and are excited to represent Pilot Crushtec in the field as a **Electrician**, please apply with a CV and a brief motivation no later than **28 July 2026** to:

jobs@pilotcrushtec.com