

PRODUCTION TEAM LEADER (ELECTRICAL)

Business Area: Manufacturing / Production – Electrical Assembly
Location: Based in Jet Park, South Africa
Reporting to: Workshop Manager / Director: Technical

Why this role exists

Pilot Crushtec designs and manufactures mobile crushing and screening equipment used across the world.

The **Production Team Leader (Electrical)** plays a critical role in ensuring that all electrical systems on our machines are installed, tested and commissioned to the highest standards of safety, quality and reliability.

This role leads and supports the electrical assembly activities within the production environment, ensuring that machines leaving the workshop meet both technical specifications and the operational expectations of our customers.

The role combines **technical electrical expertise, practical problem-solving, and team leadership** within the manufacturing process.

Key Responsibilities

Electrical Production & Machine Assembly

In this role, you will:

- Wire complete machines during the manufacturing process (high and low voltage)
 - Wire and assemble electrical panels
 - Manufacture electrical harnesses where required
 - Install and connect electrical systems on mobile machines
 - Support the integration of electrical and mechanical completion during production
 - Conduct testing and final electrical commissioning of all machines
 - Align electrical work with mechanical build progress
 - Ensure machines meet electrical readiness for commissioning milestones
 - Support production planning and machine delivery timelines
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Electrical Diagnostics & Technical Support

You will:

- Perform electrical fault finding and resolve technical issues on machines
- Diagnose and correct electrical problems during assembly or commissioning
- Rectify and update electrical drawings where require
- Identify opportunities to improve electrical reliability and performance
- Support technical troubleshooting within the production environment

Electrical Engineering & Technical Standards

- Create electrical schematics where required
- Develop and maintain **Standard Operating Procedures (SOPs)** related to electrical systems
- Produce and maintain **Technical Information Bulletins (TIBs)** where applicable
- Update and maintain documentation related to electrical processes and procedures
- Identify and implement **new electrical technologies** on machines where appropriate

Software & Machine Systems

- Maintain and store all machine software related to electrical systems
- Install machine software when required
- Ensure correct electrical system configuration before machine commissioning

Workshop Electrical Maintenance

- Conduct electrical maintenance on workshop facilities, offices and buildings where required
- Liaise with electrical sub-contractors when specialist work is required
- Ensure electrical installations meet company and regulatory standards

Team Leadership & Coordination

You will:

- Lead and coordinate electricians and electrical team members during machine builds
- Provide guidance and support to team members working on electrical installations
- Plan and organise electrical work to align with production schedules
- Ensure consistent electrical standards across all machines

Governance, Safety & Compliance

You will:

- Ensure that all electrical work complies with company standards and safety regulations
- Adhere to Pilot Crushtec processes, policies and procedures
- Maintain excellent housekeeping in electrical work areas
- Follow through and resolve any corrective actions related to processes or safety

Safety, accountability and discipline form a critical part of this role.

Preferred Experience Required

- **Minimum 5 years' relevant electrical experience**
 - Experience in industrial electrical systems or machinery environments
 - Experience working in manufacturing, assembly or workshop environments
 - Strong understanding of electrical fault finding and commissioning processes
 - Exposure to electrical documentation and schematic interpretation
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Preferred Qualifications & Technical Skills

- **Matric / Grade 12** (English and Mathematics)
 - Qualified Electrician
 - Wireman's Licence (advantageous)
 - Strong understanding of electrical drawings and schematics
 - Solid understanding of electrical safety standards
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Preferred Attributes – The Pilot-Way Fit

We are looking for someone who:

- Demonstrates strong technical competence and practical problem-solving
 - Shows attention to detail and pride in workmanship
 - Takes ownership and responsibility for quality and safety
 - Works well independently and within a team environment
 - Has the ability to organise and coordinate tasks within a production environment
 - Communicates clearly with colleagues, supervisors and technical teams
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The Ideal Individual

The Ideal Individual has:

- A **hands-on, practical approach** to electrical work and problem-solving
 - The ability to **lead and support a small electrical team within production**
 - A strong sense of responsibility for **machine quality and reliability**
 - The discipline to maintain **technical standards and documentation**
 - A proactive mindset that seeks **continuous improvement in electrical systems**
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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 **Production Team Leader (Electrical)**, please apply with a CV and a brief motivation no later than **31 March 2026** to:

jobs@pilotcrushtec.com