Dairy Electrical Maintenance Technician

Dairy engineering and maintenance

Job title	Dairy Electrical Maintenance Technician
Department	Dairy engineering and maintenance
Reports to	Maintenance Team Leader
Direct reports	None
Location	*[To be confirmed by the employer]*
Contract type	*[Permanent / fixed-term / other]*
Salary and benefits	*[To be confirmed by the employer]*

Job purpose

Keeps electrical, instrumentation and control equipment running across a dairy processing site, from utilities and milk reception to processing, drying and packing. Completes planned maintenance and breakdown repairs safely and on time so the plant stays available and food safe.

Key responsibilities

Planned maintenance

- Carry out preventive maintenance on electrical equipment across utilities, processing, drying, packing and mobile plant
- Complete routine service tasks at every interval on schedule
- Inspect and test switchboards, motor control centres, motors, drives and distribution systems
- Calibrate and maintain instruments, sensors and analysers
- Record work, findings and parts used accurately in the CMMS

Breakdowns and fault-finding

- Respond quickly to breakdowns and restore plant safely
- Find faults on electrical circuits, variable speed drives, PLC inputs and outputs and field devices
- Use control system diagnostics and electrical drawings to trace faults
- Identify repeat faults and propose permanent fixes
- Take part in the on-call or shift breakdown rota

Improvement and spares

- Report stock levels and usage of critical electrical spares
- Suggest and help deliver plant and process improvements
- Install and commission new electrical equipment and modifications
- Update electrical drawings and records after every change

Food safety and quality

- Follow HACCP, good manufacturing practice and hygiene rules when working in production areas

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- Control tools, parts and materials to prevent foreign body contamination
- Support calibration of CCP and quality-critical instruments
- Hand equipment back to production clean and ready for use

Health, safety and compliance

- Apply isolation, lockout and permit-to-work procedures on every job
- Work to current electrical regulations and wiring standards
- Help with contractor inductions and permits
- Report hazards, near misses and compliance risks promptly
- Support environmental controls on effluent and emissions

Qualifications and experience

Essential

- Qualified electrician with a recognised electrical trade qualification or registration
- Experience maintaining electrical equipment in a manufacturing or process plant
- Fault-finding experience on motors, drives and control circuits
- Experience using a CMMS
- Understanding of food safety and hygiene standards in food manufacture

Desirable

- Dairy or food processing experience
- Instrumentation or PLC experience
- Hazardous area competency, for example for dust zones around dryers
- High-voltage or switching authorisation

Skills and attributes

- Logical fault-finding
- Safe working and attention to detail
- Teamwork with production and mechanical staff
- Clear record keeping
- Staying calm under pressure during breakdowns
- Willingness to learn new technology

Measures of success

- Planned maintenance completed on time
- Breakdown response and repair times
- Fewer repeat electrical faults
- Accurate and complete CMMS records
- No safety incidents or food safety breaches caused by maintenance work

Working conditions and safety

Hands-on, site-based role in a food production environment, including work at height and in confined spaces, with PPE and hygiene controls. Usually includes shift work or an on-call breakdown rota.

- Follow health and safety rules and safe systems of work, and wear the correct PPE
- Follow food safety, hygiene, HACCP and quality procedures at all times
- Report hazards, accidents, near misses and concerns promptly

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This job description outlines the main duties of the role. It is not a complete list, and the employer may update it as the business changes, in consultation with the jobholder.

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