

MUHAMMAD FIKRI ABD RAHMAN

MAINTENANCE & ENGINEERING PROFESSIONAL

Hands-on Maintenance | PLC Troubleshooting | Preventive Maintenance | Technical Documentation | Inventory Control

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<https://fikri-maintenance.pages.dev/>

PROFESSIONAL SUMMARY

Maintenance and engineering professional with more than 11 years of experience in manufacturing and engineering environments. Hands-on experience in PLC programming, modification and troubleshooting, machine breakdown diagnosis and repair, Preventive Maintenance (PM), Total Productive Maintenance (TPM), equipment servicing, installation support, and equipment-performance improvement. Strong supporting expertise in technical documentation and maintenance control, including SOP development, maintenance checklists, breakdown reports, 8D problem-solving reports, root-cause documentation, audit records, and lessons learned. Experienced in end-to-end spare-parts inventory control, RFQ/PR/PO processes, vendor coordination, safety compliance, and maintenance reporting.

CORE COMPETENCIES

Hands-on Engineering: PLC Programming & Troubleshooting | Machine Breakdown Diagnosis & Recovery | Preventive Maintenance (PM) | Total Productive Maintenance (TPM) | Equipment Servicing & Installation | Root-Cause Analysis | Equipment Performance Improvement | AutoCAD

Maintenance Control & Support: Technical Documentation & SOP Development | Maintenance Verification Checklists | Maintenance Audit Coordination | 8D & Breakdown Reporting | Spare-Parts Inventory Control | RFQ, PR & PO Documentation | Vendor Coordination | Safety & Quality Compliance

PROFESSIONAL EXPERIENCE

AUTOLIV HIROTAKO | Maintenance Technician

March 2017 - Present

HANDS-ON MAINTENANCE & ENGINEERING

- Diagnose, troubleshoot and repair machine breakdowns, identify electrical and control-related faults, and restore equipment to normal operation to minimise production downtime.
- Troubleshoot machine faults using PLC systems, including program monitoring, fault tracing, and diagnosis of control-related issues.
- Develop, modify, and add PLC program logic as required for machine troubleshooting, fault rectification, equipment modification, and operational improvement.
- Perform preventive maintenance, Total Productive Maintenance (TPM), equipment servicing, inspection, installation, and other planned and corrective maintenance activities.
- Conduct systematic fault investigation and root-cause analysis for recurring equipment problems, implementing and supporting corrective and preventive actions to reduce recurrence.
- Support equipment-performance improvements while ensuring maintenance and repair activities comply with safety, quality, and operational requirements.

MAINTENANCE CONTROL, REPORTING & INVENTORY

- Develop and maintain SOPs for machine troubleshooting, repair, servicing, installation, and maintenance activities, supporting consistent execution and knowledge transfer across the department.
- Create maintenance verification checklists and technical quality guidelines to support work accuracy, product-quality evaluation, safety compliance, and audit readiness.
- Lead maintenance audit documentation, coordinate records, verify process adherence, and maintain the accuracy and traceability of departmental information.
- Prepare daily, weekly, and monthly breakdown and maintenance reports, analysing machine issues, breakdown causes, actions taken, recurring problems, and maintenance status for management review.
- Prepare presentation materials for weekly maintenance reviews and present maintenance performance, breakdown findings, recurring issues, and follow-up actions to management when required.
- Prepare 8D reports and lessons-learned documentation covering root causes, corrective actions, preventive actions, and improvement opportunities.
- Manage end-to-end spare-parts inventory control, including stock-in and stock-out tracking, inventory monitoring, stock records, parts availability, and replenishment requirements.
- Coordinate spare-parts procurement and vendor processes, including RFQ, PR and PO documentation, to support timely replenishment and maintenance continuity.
- Maintain and reconcile spare-parts inventory records and supporting documentation, ensuring stock traceability and serving as the responsible point of reference for inventory records and stock-related queries during audits.

TOYO TIRES | Maintenance Technician

July 2014 - February 2017

- Diagnosed and repaired machine breakdowns using PLC programming and systematic troubleshooting methods.
- Performed preventive maintenance and supported work scheduling, inspection records, and cable-control activities.

TAMZA GLOBAL | Project Engineer

March 2014 - May 2014

- Supported engineering projects through cable inspection and control, project coordination, and technical record management.
- Prepared quotations, invoices, purchase orders, and related commercial documentation for project execution and supplier coordination.

EDUCATION

POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH

Diploma Electronic Engineering (Control)