

Sungkono Eko Wibowo

MAINTENANCE & RELIABILITY LEADER
| ELECTRICAL ENGINEERING EXPERT

Contact

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Professional Summary

Maintenance & Reliability Leader with 15+ years of experience driving asset performance, operational excellence, and cost optimization across manufacturing, energy, and industrial sectors. Proven ability to lead cross-functional teams, manage critical infrastructure, and deliver measurable business impact through predictive maintenance, energy optimization, and reliability-centered strategies.

Demonstrated success in reducing unplanned downtime by up to 35%, optimizing OPEX by 18%+, and leading transformation from reactive to predictive maintenance frameworks (RCM & TPM). Strong expertise in managing medium-to-large-scale utility systems (MV/LV, power plant, chiller, compressor, PV systems) with a focus on safety, compliance, and long-term asset reliability.

Professional Experience

Maintenance Supervisor | 2026-present

PT. Hasfarm International

- Orchestrated a comprehensive regulatory audit, identifying 100% of compliance gaps and mitigating IDR 1.5B in potential annual risk exposure.
- Led transformation of utility maintenance operations by implementing Reliability-Centered Maintenance (RCM), reducing emergency breakdown costs by 18% and improving asset reliability.
- Managed and developed a team of 7+ technicians and engineers, fostering a safety-first culture and achieving 500+ days without Lost Time Injury (LTI).
- Improved maintenance planning and execution efficiency through data-driven scheduling and resource optimization
- Optimized preventive maintenance compliance from 78% to 96% through data-driven scheduling and workforce re-alignment.

Utility Electrical & PV Engineer | 2024-2026

PT. Lamipackaging Indonesia

- Reduced emergency maintenance costs by 18% through implementation of Root Cause Analysis (RCA) and predictive diagnostics.
- Developed and standardized work instructions, preventive & predictive maintenance programs, and safety procedures for utility electrical and solar panel systems.
- Resolved critical MVMDP panel failure by implementing temporary transformer coupling, preventing 10 days of production downtime.
- Conducted comprehensive power quality audit, identifying system disturbances and reducing monthly electricity costs by 10%.
- Optimized lighting system efficiency through sensor and controller integration, achieving 5% reduction in energy consumption.
- Managed project scope and cost control by preparing SOW and BOQ, ensuring compliance with budget and technical specifications.

University Lecturer | 2022 - 2024

Universitas Insan Budi Utomo

- Delivered applied engineering education in power systems, control systems, and power electronics.
- Designed and implemented hands-on learning systems using simulation tools (PSIM), improving student engagement by 85%.
- Reduced laboratory development costs by 30% through system optimization and resource planning.
- Mentored students in engineering projects and research development aligned with industry applications.

Polytechnic Instructor | 2019 - 2022

Politeknik Negeri Malang

- Developed industry-aligned training programs in electrical engineering and automation systems.
- Consulted SMEs in implementing low-cost SCADA and IoT-based monitoring systems, increasing operational transparency by 30%.
- Designed energy monitoring dashboards enabling ~10% OPEX savings through peak-load optimization strategies.

Electrical Engineer | 2015 - 2019

Self Employee

- Delivered consulting services in electrical systems optimization, energy efficiency, and industrial automation.
- Improved client system productivity by up to 20% through KPI-driven operational improvements.
- Provided strategic recommendations on inventory and resource optimization, reducing overhead costs by 12%.

Inventory Analyst | 2011 - 2015

PT. Trakindo Utama

- Optimized inventory management system using data-driven analysis, improving efficiency and reducing operational costs.
- Enhanced supply chain visibility and accuracy through structured reporting and process improvement initiatives.

Education

- Master of Electrical Engineering (Power Systems) | Politeknik Negeri Malang | GPA: 3.90/4.00
- Bachelor of Industrial Automation Engineering | Politeknik Elektronika Negeri Surabaya (PENS)

Select Certifications and Awards

- **Certifications:** Lean Six Sigma Green Belt (2025), Certified Energy Manager (2025), Ahli K3 Umum & Listrik (2024/2025).
- **Awards:** 4x Golden Idea Awards (2024) for Operational Safety & Energy Efficiency Innovations; Best Thesis & Research Paper Award (2017).

Leadership & Management

- Maintenance Strategy & Transformation
- Asset Management & Reliability Engineering
- Team Leadership & Development
- Operational Excellence & Continuous Improvement
- CAPEX / OPEX Optimization
- Safety & Compliance Management

Technical Tools

- Predictive Maintenance (RCM, TPM)
- Power Systems (MV/LV, Power Plant, PV Systems)
- Energy Efficiency & Optimization
- Power Quality Analysis
- SCADA & Industrial Automation

Digital & Engineering Tools

- ETAP
- MATLAB / Simulink
- PSIM
- AutoCAD Electrical
- CMMS
- SQL Database
- Thermal & Vibration Diagnostic Tools