



# Energy Engineer

To drive and monitor energy efficiency initiatives across the organization by analysing energy consumption (including machine-level usage), ensuring compliance with statutory requirements, and fostering continuous improvement in energy performance.

## Responsibilities:

### Energy Monitoring & Analysis

- Monitor and verify the effectiveness of energy-saving initiatives across all Energy Accounting Centres (EACs).
- Measure and track machine-level electricity consumption to identify energy-intensive equipment and prioritize improvement actions.
- Track and report overall and specific energy performance indices (EnPIs).
- Conduct regular audits and analyse electrical energy consumption/generation to identify trends, variances, and opportunities for improvement.

### Energy Efficiency Initiatives

- Advise and support the development and implementation of energy efficiency measures in collaboration with operations and maintenance teams.
- Recommend best practices, new technologies, and process optimization to improve energy performance.

### Compliance & Documentation

- Supervise and verify accuracy of energy-related documentation, records, and meter data to ensure compliance with internal standards and statutory requirements.
- Ensure timely and accurate submission of energy reports and documentation to the Energy Commission (Suruhanjaya Tenaga) as required under the EECA 2023.

### Energy Data Management Systems

- Establish, maintain, and continuously improve energy data collection systems and infrastructure, including machine-level metering and data loggers, to support data-driven decision-making.
- Prepare and present regular energy performance reports to management.

## **Audit & Continuous Improvement**

- Conduct internal audits for the organization's Sustainable Energy Management System (SEnMS).
- Identify gaps, propose corrective actions, and contribute to continuous improvement initiatives.

## **Requirements:**

- Bachelor's degree in mechanical, Electrical, Energy, Environmental Engineering, Science, Architecture, or related technical field.
- At least 2 years of working experience in a manufacturing plant or related industry.
- Registered Electrical Energy Manager (REM T1 or T2) certified by Suruhanjaya Tenaga.
- Strong analytical, reporting, and communication skills.
- Experience in energy metering at machine/process level, data analysis, and energy audits.
- Familiar with energy performance indicators (EnPIs), energy audits, and EECA 2023 compliance requirements.
- **Registered Electrical Energy Manager (REM T1 or T2)** certified by Suruhanjaya Tenaga.

Interested applicants are invited to write-in / email with a comprehensive resume to:

**HUMAN RESOURCE DEPARTMENT**

**UNISEM (M) BHD**

**No 1, Persiaran Pulau Jaya 9,**

**Kawasan Perindustrian Pulau Jaya,**

**31300 Ipoh Perak.**

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**Email : [recruiting@unisemgroup.com](mailto:recruiting@unisemgroup.com)**