

# RESUME: MOHAMAD SAIFUL MOHD YUSUP



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BACHELOR OF ENGINEERING (HONS) ELECTRICAL (POWER)  
UNIVERSITI TEKNOLOGI MARA (UITM)

An engineer with 9-year experience and a very keen attitude, highly motivated and full of confident, with excellent communication, interpersonal skills, multi discipline of experienced and capability in engineering skills. Well-equipped with business-oriented mind set, financial management skills, good operation, and maintenance and well verse in project management field. Possess strong analytical, project financing and strong leadership. Look for an extreme and challenging working environments that can improve and expand the knowledge and working experiences.

## Skill Set

- Consultancy: Power System Study and Analysis
- Grid Interconnection System Package
- Solar Photovoltaic System Design
- Energy Efficiency and Optimization Audit, Measurement and Verification
- Project Management
- Contract Management
- Project Financing
- Business Development
- Engineering & Technical Solution
- Mechanical and Electrical Consultancy Services
- Health, Safety and Environment
- Oil, Gas and Renewable Energy (Solar, Biogas, Biomass)

## Training & Competency

1. Certified Energy Manager (CEM) – AEMAS
2. Registered Electrical Energy Manager (REEM) with ST
3. SEDA Grid Connected PV Certified System Designer (SEDA GCPV)
4. Project Management Practiser (PMP)
5. Microsoft Certified Technologies Specialist: Window 7, Configuration & (MCTS)
6. SCADA – Surveillant Technology & ORMAZABAL – Switchgear Training (11kV, 33kV, 132kV, 275kV)
7. Biomass and Biogas training. Organised by: SEDA – Energy Institute Malaysia
8. Board of Engineer Malaysia (BEM) & Institute of Engineer Malaysia (IEM)
9. Halliburton - Baroid Surface Solution Core – Waste Management
10. Authorised Entrance & Standby Person (AESP)
11. Graduate Technologist, MBOT
12. Volunteer Police Officer of Polis Diraja Malaysia

## Professional Working Experience

**Deputy Senior Manager, Energy Solution UEM Edgenta Berhad**  
(April 21 – present)



- Lead the team in preparation of design, develop, and audit energy-related projects or solutions and proposals to find efficient and innovative ways to supply energy efficiency and meet Client requirement. This involves looking at ways to reduce costs, researching ways to generate new energy to reduce carbon emissions and minimize environmental damage, and carrying out site inspections and energy surveys. Successful proposal shall contribute towards the company's business numbers

- Lead & review preliminary, Detail technical energy audit, estimate & prepare energy saving proposal/report to the respective project and potential client.
- To lead in managing the Business Partner/ Technical partners
- Lead evaluates, review, and recommend suitable technology, technology providers, solutions, energy measures and specifications for identified projects.
- To lead in review in drafting, finalization of project management scope for Engineering, Procurement, Construction & Commissioning (EPCC), Energy Performance Contracting (EPC), Power Purchase Agreement (PPA) Technical Supply, O&M contracts and specifications and such other project contracts for contracted supplies and services required.
- To lead in preparation OPEX & CAPEX, monitored and supervised the project implementation.
- To Liaise and meet with client, sub-contractor & local regulatory bodies.
  - ✓ Silterra (Tri-Generation plant) – 10MW
  - ✓ Bangunan Daya Bumi (Energy Efficiency Solution & Integrated FM)
  - ✓ Hotel Movenpick KLIA (Energy Efficiency Solution & Integrated FM)

**Senior Manager, Project Delivery  
(Oct 2018- March 2021)  
UiTM Energy & Facilities Sdn Bhd**



- Lead on energy conservation projects – project development (business development), presentation, to plan, conduct, execute and deliver the Energy Audit and M&V for Energy Efficiency, Solar PV plant or any type of renewable energy sources and any relevant task as per Management requirement.
- Lead & review preliminary, Detail technical energy audit, estimate & prepare energy saving proposal/report to the respective project and potential client.
- Lead on Measurement and Verification for Energy Optimization and Solar project
- Liaise with Financial institution to secure project financing
- To secure and develop new project for Energy Optimization and any renewable energy.
- Lead evaluates, review, and recommend suitable technology, technology providers, solutions, energy measures and specifications for identified projects.
- To lead in review in drafting, finalization of project management scope for Engineering, Procurement, Construction & Commissioning (EPCC), Energy Performance Contracting (EPC), Power Purchase Agreement (PPA) Technical Supply, O&M contracts and specifications and such other project contracts for contracted supplies and services required.
- To lead in preparation OPEX & CAPEX, monitored and supervised the project implementation.
- To Liaise and meet with client, sub-contractor & local regulatory bodies.
  - ✓ Project: Solar 50MW LSS 1 – Gambang – UiTM Solar Power (Testing & Commissioning)
  - ✓ Project: Solar 25MW LSS 2 – Pasir Gudang – UiTM Solar Power Dua (Technical)
  - ✓ Solar PV Generation System at UiTM Campuses for all 33 UiTM Campuses
  - ✓ Phase 1 – 11MW (completed)
  - ✓ Phase 2 – 10MW (in progress of construction)
  - ✓ Energy Optimization and Energy Conservation Project at UiTM Campuses for all 33 UiTM Campuses
  - ✓ Red Cross Malaysia Solar Project
  - ✓ Ingress Corporation 2MW Solar

**Lead, Technical, (April 2016 – Oct 2018),**

**CENERGI SEA SDN BHD**



**Project Delivery, Asset Management, Operation & Maintenance**

- Lead in liaison with all parties involved in the operation and maintenance of the existing biogas plant including clients, consultants, contractors, sub-contractors, and all relevant authorities.
- Supervise the team in term of Technical, operation and maintenance support services for biogas plant operation, procurement, Authority ie DOSH, DOE, TNB, SEDA, Auditors etc.
- Continuously improve the operating assets and project investment process and recommended improvement to increase efficiency and reliability.
- Manage Contract Management of third-party technical management entity as it relates to operation and maintenance, including coordination with external contractors for all operating assets. Manage competitive solicitation process for parts and services for vendors, supplier, or contractors.
- Prepare Management and Commercial reports to owner, investor and shareholders including Commercial Management, Financial Statement, and other periodic reports for all operating assets. Manage and keep all stakeholder's relations
- Inspect and to review project to ensure project compliance with standard design and specification and meet the safety standard.
- Assist and liaise in obtaining government agencies approval such as TNB, SEDA, REPPA, DOE, DOSH, Energy Commission etc.
- ✓ Havys Biogas Power Plant, Palong (capacity: 2MW)
- ✓ Sawira Biogas Power Plant, Muadzam Shah (capacity: 1MW)
- ✓ Cheekah Kemayan Biogas Plant, Kemayan (capacity: 1MW)
- ✓ Sri Jelutong Biogas Plant, Chini, Pekan (capacity: 1.5MW)

**Solid Control & Waste Management**

**Field Service Engineer, (March 2014 – March 2016)**

**Halliburton Energy Services (M) Sdn Bhd**



- Perform Solid Control and Drilling Waste Management control job description on drilling rig operation to maximize the wellbore value. Operation & maintenance of Solid control equipment.
- Installation, mobilization, rig up, testing, and commissioning for Solid Control and drilling waste management equipment.
- Operate and maintain equipment like Decanter, Centrifuge, Shale Shaker, Mud Pump, High Pressure Pumping Unit, Filtration Service, Cutting Dryer, Auger and all related equipment on board.

Experience:

- ✓ Perform solid control and Waste Management for Petronas, Shell, HESS, Murphy, Conoco Phillip etc.
- ✓ Supervisor / Base Coordinator at Halliburton Labuan & Kemaman,
- ✓ HPHT KNB4 well drilling campaign
- ✓ Mud School (Houston, Texas)

**Electrical Engineer, (Sept 2012 – March 2014)**

**IFME Consultants Sdn Bhd**



- Electrical Consultant/Project Manager, Project Electrical Engineer for Tanjung Langsat Biomass Steam Plant Project (TLBSPP) – JCORP, Palong Interconnection System Package (2MW Biogas Power Plant), Tapis EOR and Rejuvenation Work – Exxon Mobile
- Electrical Bid and Tender Consultant Engineer for Samalaju-Similajau 275/132/33kV Substation Extension work (Conceptual Design) for PMU extension work over, Engkilili 33/11kV Substation work – Consultation and Conceptual Design
- Project Manager for Step-by-Step Manual (Standard Operation Procedure) for Substation, Overhead Line Cable and Underground Cable for ILSAS (TNB)