



## MUHAMAD KHAIRIN BIN ABDUL HAMID

+6019-4762447 | khairinhamid@gmail.com

<https://www.linkedin.com/in/muhamad-khairin-abdul-hamid-602472a8/>

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### PROJECT ENGINEER

Professional and goal-driven engineer with more than 9 years progressive experience across a range of industries from energy industry, facility management industry and paint industry. Proven ability to combine vision, ingenuity and strong business acumen with well-developed project management and leadership skills to support the business function to ensure and deliver successfulness. Areas of expertise includes:

- |                       |                                 |                               |
|-----------------------|---------------------------------|-------------------------------|
| □ Project Management  | □ Procurement Management        | □ Facility Management and O&M |
| □ Paint Making        | □ Contractor Management         | □ Building Audit & Assessment |
| □ Contract Management | □ Facility/Building Performance | □ Energy Management           |
| □ Asset Management    | □ CMMS                          | □ Project Controls            |
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### PROFESSIONAL EXPERIENCE

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#### Beckers Industrial Coatings (M) Sdn Bhd

Feb 2023 - Present

#### Regional Investment Engineer – Asia & Middle East

Beckers is a privately-owned, global coatings company that develops high-quality environmentally compatible paint systems. In Beckers, I am appointed as an investment regional engineer, directly reporting to Regional Operations Director, to look after sites in Malaysia, Vietnam, China, Bangladesh, India and UAE. Altogether, we have 10 sites/factories.

#### Key responsibilities include:

- Lead regional cross functional project team to ensure project timeline and key deliverables are completed for commercialization especially projects more than 500 kSEK (RM200,000).
- Manage projects according to Beckers Group processes and best practices and ensure all requirements are met including Management of Change (MOC) documents, project risk assessment.
- Develop and manage detailed regional timeline and risk identification/mitigation plans to achieve project objectives.
- Track project progress against milestones, forecast vs actual spending, issue status reports and escalate issues as necessary to Regional Operations Director.
- Prepare budget and perform analysis based on priority and segment including expansion, HSE, sustainability, replacement, IT, administration and etc.
- Cooperate with Regional EHS Manager to identify safety and compliance gaps and monitor the action taken required through investment/CAPEX. E.g. foam sprinkler system upgrade to entire regional sites.
- Cooperate with Regional Procurement Senior Manager to regionalise common purchase in order to leverage economies of scale and negotiate favourable terms with suppliers.
- Coordinate routine operational meetings with all site managers and highlight and address any issues related to operation including investments, supply chain and production KPIs.
- Integrate group requirements and local constraints in terms of Health, Safety, Environment, Energy and Continuous Improvement
- Review investment request from each site and ensure compliance to local regulations, group policies and procedures.
- Appointed as a Regional Coordinator for Group Process Technology for continuous improvement efforts.
- Coordinate and review the 10 years plan known as Industrial Investment Plan for all AME sites focusing on site expansion, process improvement, automation plans and etc.

**Assistant Manager, Facilities Management Engineering Unit**

AFES is one of the leading players in the Malaysia's solid waste management industry which also offering Asset and Facilities Management services. In AFES, I led a team consist of one (1) Senior Executive, two (2) Engineers and one (1) Executive to charter the move forward plan for the company and also monitor and lead the team for operation and maintenance of contract execution.

**Key responsibilities include:**

- Lead a team to provide technical role to the Facility Management (FM) service Facilities Managers and other departments.
- Led the team for way forward plan and execute the strategic planning for company development and expansion.
- Led on facilities projects and initiatives relative to all aspects of service delivery and development, including those relative to operational, health, safety, environmental and accessibility compliance and best practice.
- Drived strategy and create a new product/service for facilities management solution offers to existing and future Clients.
- Identified, coordinated and drived improvements in safety, compliance and assurance whilst fully engaging operational and maintenance staff to ensure successful development and consistent implementation of improvements, initiatives, processes and procedures.
- Developed Scope of Work for reliability improvement projects, incorporating feasibility, cost and risk assessment, and engage Procurement for commercial due diligence.
- Led site verifications, Scope of Works (SOW) clarification and technical assessment, and ensure process due diligence in accordance with established supplier engagement guidelines and commercial process

**Malaysia Airports Holdings Berhad (MAHB)**

April 2021 – October 2021

**Facility Manager – Client Office (Sime Darby Plantation Berhad)**

MAHB, through its subsidiary, UTW Sdn Bhd, offers facilities management services to the Client. In UTW, I was appointed as a Facility Manager to oversee facility management contract with Sime Darby Plantation Berhad. Here, I led 16 technical staffs and 26 cleaners and to ensure the building is problem-free and safe so that employees can work under the best conditions.

**Key responsibilities include:**

- Led the collection of assets and the development of maintenance strategy, maintenance, cleaning, and safety required on every asset under SOW.
- Developed daily, weekly and monthly reports based on Service Level Agreement (SLA).
- Conducted performance review on all staff and sub-contractors.
- Communicated daily to staff, client, subcontractors and retailers for coordination and reporting purposes.
- Monitored, reviewed, analyzed and prioritized daily report concerning pending and closed work orders. i.e. for Preventive and Corrective Maintenance Work Orders, including project works requested by the client.
- Monitored and reviewed logistics. manpower, spares, tender's evaluation, and equipment availability (Electrical, HVAC, Mechanical, Plumbing, Civil and Structure, PA system and Fire system – alarm and protection).
- Assessed and mitigated safety concerns for incident and near misses
- Meetings attended includes Daily Coordination Meetings, Monthly KPI Meetings with client, Safety Meetings with client and others, as required.
- Contributed to positive outcomes from internal audits, inspections and certifications (e.g. (ISO 27001:2013, ISO14001, ISO 45001:2018 and ISO 9001).

MAHB, through its subsidiary, UTW Sdn Bhd, offers facilities management services to the Client. Managed the implementation of operation and maintenance of multiple facility management contracts to ensure meeting the Client's requirement. Key client includes Mitsui Outlet Park, Persada PLUS, Cainiao Warehouse, MAHB subsidiaries and airports.

**Key Contribution:**

- Led a team to conduct building health assessment for all contracts to benchmark the as-received condition and propose and present the recommendation for rectification and improvement.
- Led a team for energy management program and assessment to identify room for energy saving measures.
- Review all procurement request to ensure its meeting the requirement as per Procurement Policies & Procedures and as per Limit of Authority.
- Prepared approval paper, document, and proposal to the management for projects at multiple site including approval.
- Produced and evaluate outsourced work for facility management requirement.
- Reviewed Service Level Agreement (SLA) to ensure the contracts are adhered and complied accordingly and no potential imposition of Non-Conformance Report (NCR).
- Monitor the department budget utilization and plan for action required for any budget deficiency.

**Jimah O&M Sdn Bhd (JOM)**

Oct. 2015 – Oct. 2019

**Senior Engineer II, Outage & Project Management**

JOM is a subsidiary of Edra Power Holdings (formerly Powertek Energy Sdn Bhd), where JOM provides O&M, technical and management services to the power plant. JOM is a 1,400 MW sub-critical coal-fired base load thermal power plant. Main equipment as follows:-

- Boiler: Ishikawajimah-Harima Heavy Industries (IHI Co, Ltd) (2 x 700 MW)
- Turbine and Generator: Toshiba Corporation (26 kV, 895MVA)
- Interconnection facility: Taisei Corporation

**Key responsibilities:**

- Coordinated the initiating, planning, executing, monitoring, and closing of the three types of maintenance outages
- Produced Work Identification & Resource Planning (WIRP) to plan and track procurement progress and another outages requirement.
- Produced a Master Schedule using MS Project that integrates the operation (shutdown, cooling down, testing & commissioning and start up) and maintenance activities (mechanical and electrical & instrumentation sections) and highlight Critical Path.
- Carried-out outage performance measurement on daily basis to track the progress of outage works especially those falls in critical path works.
- Used excellent time management and project management skills to successfully oversee and manage projects from conception to completion.
- Led and executed improvement project for the power plant from initiating, planning, obtaining management approval, execution, monitoring and handover to end users / system owners including retrofitting of Electrostatic Precipitator (ESP) in order to comply to Clean Air Regulation (CAR) 2014 set by Malaysia Department of Environment (DOE) and retrofitting of Primary Air Fans (PAF) impellers to improve production during mills changeover.
- Appointed as internal auditor to conduct internal audit for Integrated Management System (IMS) certification.
- Participated in Root Cause Analysis (RCA) brainstorm and review.
- Monitored plant performance parameters during Daily Production Meeting in terms of emission.

**Graduate Executive, Asset Management – International Assets**

A Malaysian IPP owner-operator company with power generating assets across Malaysia, Bangladesh, Egypt, Pakistan and UAE. I was attached under Asset Management Department to look after generating assets in Bangladesh. The assets are under joint venture between Edra and Al-Jomaiah Automotive Company from Saudi Arabia. The assets are:

- NEPC Power Consortium Limited, Bangladesh
  - A 110 MW diesel engine power barge with Wartsila 18V46 engines.
- Meghnaghat Power Limited, Bangladesh
  - A 450 MW combined cycle power plant (Gas Turbine: Ansaldo Energia Spa V94.2 (2 x 137.5 MW, Steam Turbine: Fuji Electric KN Series (189 MW)
- Haripur Power Limited, Bangladesh
  - A 360 MW combined cycle power plant (Gas Turbine: Mitsubishi Heavy Industries M701F (247 MW), Steam Turbine: Fuji Electric KN Series (131 MW)
- Key Contribution
  - Prepared periodic reports to the Management highlighting the performance of Assets.
  - Familiar with Asset Management philosophy.
  - Assisted Senior Manager in reviewing plant Enterprise Risk management exercise to ensure all issues addressed carefully and thoroughly on a quarterly basis.
  - Reviewed the operations, maintenance & technical reports of the Assets to ensure the plant are optimized.
  - Produced and generated periodic reporting for Management review. Able to use the Asset Management Optimization Program (AMOP) in order to review and monitor the performance of the Assets.
  - Familiar with the process at power plant asset disposal process. Expiring PPA plant, old used parts (RAPH, Conveyor belts) need to be disposed, however necessary approval from relevant management and board may be necessary based on the cost of the equipment/parts.

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**EDUCATION**

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- Master in Energy Management at Universiti Tenaga Nasional graduated in 2020.
- Bachelor's Degree in Electrical Power Engineering at Universiti Tenaga Nasional graduated in 2014.

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**CERTIFICATION AND PROFESSIONAL TRAINING**

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- Certified Facility Management Manager (FMM) Level 5 by Construction Industry Development Board (CIDB), the Malaysia's Government Agency.
- Registered as a Board of Engineers Malaysia (BEM) member since 2015 (GE100685A) and Graduate IEM member since 2020 (112810).
- Appointed as an internal auditor for ISO Integrated Management System (IMS) which include ISO 27001:2013, ISO14001, ISO 45001:2018 and ISO 9001
- Appointed as RCM-2 facilitator with function of coordination of system review between Operation and Maintenance team.

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**REFERENCES**

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**Mohamad Ridzuan Abdullah**  
Regional Operations Director  
Beckers Industrial Coatings

**Mohammad Mazli bin Ismail Jamail**  
Vice President,  
Jimah O&M Sdn Bhd