

PERSONAL DETAILS



Name	Nik Mohd Farid bin Nik Zamri
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Email	nmfarid.nzamri@gmail.com
Nationality	Malaysian
Years of Experience	12
Education	Degree of Bachelor of Engineering, University of Malaya, Kuala Lumpur, Malaysia. Graduated in August 2010.

SUMMARY OF EXPERIENCE

Over 12 years of experience in developing Greenfield and Brownfield Renewable Energy (“RE”) projects mainly in the areas of Waste to Energy (“WTE”), Biomass Utility Projects, Solar and Wind Power, locally and at International level. 5 years of experience in Alam Flora Sdn Bhd (“AFSB”), as the Assistant Manager overseeing RE projects development in WTE and Solar. 4 years of experience in Malakoff Corporation Bhd, (“MCB”) developing RE projects on due diligence basis. In 2020, joined Arcadia Energy Sdn Bhd (“AESB”) as the Assistant Vice President, Business & Project Development to develop RE projects including Biomass Utility Plant on Greenfield and Brownfield basis, as well as GHG & carbon avoidance under Scope 2. In April 2023, promoted to VP, Business & Project Development.

CAREER HIGHLIGHTS

ARCADIA ENERGY SDN BHD, SELANGOR (AESB)



Position	: Vice President
Department	: Business & Project Development
Duration	: April 2023 - Present

Achievement	:	<ol style="list-style-type: none">1. Successfully secured 2021 Biomass quota under SEDA e-bidding program for 7MW Biomass Power Plant for Arcadia Renewable Sdn Bhd in Kertih, Terengganu, 100% wholly owned subsidiary of Arcadia Energy Sdn Bhd for 21 years REPPA.2. Successfully secured 2022 Biomass quota under SEDA e-bidding program for 3.4MW Biomass Power Plant for Blossom Power Sdn Bhd in Rasa, Selangor, majority owned by Arcadia Energy Sdn Bhd for 21 years REPPA.3. Carbon Avoidance Assessment for Arkema Theochemicals Sdn Bhd utility operation from Natural Gas to Biomass Woodchip based fuel from Developer’s perspective.4. Conditional approval of Turnaround Plan proposal to SEDA for Blossom Power to take over the current operator of RASA 7MW Biomass Power Plant and executed Repair & Upgrade.5. Procurement of 18tph Vecolan Shredder, Tier 1 OEM from Germany for a fix value of EUR 857,744.00.6. Procurement of Vermeer 30tph Tub Grinder, Tier 1 OEM from USA for a fix value of RM3,000,000.00.7. Manage to obtain 2 ITS (Indicative Terms Sheet) from Affin & RHB Islamic Bhd for the purpose of Repair & Upgrade of 7MW Rasa Power Plant. Subsequently executed LOA with RHB.8. Executed Novation of 7MW REPPA to Blossom Power Sdn Bhd with TNB.9. Executed 7MW REPPA of Arcadia Renewable Sdn Bhd with TNB.10. Approval of Independent Checking Engineer (ICE) report from RHB for the Repair & Upgrade of 7MW Rasa Biomass Power Plant.
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On Track	:	<ol style="list-style-type: none">1. UPA with CJBio to supply up to 130tph LP steam in Kerteh, Terengganu.2. UPA with Arkema Thiochemicals Sdn Bhd to supply up to 16tph LP steam in Kerteh, Terengganu.3. Appointment of Full Turnkey EPCC Contractor for 7MW Rasa Repair & Upgrade project.4. Appointment of Full Turnkey EPCC Contractor for Biomass Utility Hub in Kerteh, Terengganu.
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Professional experience	:	<ul style="list-style-type: none"> • Preparation of key presentations for lenders/investors for debt & equity package. • Work closely with the operation and project unit heads to establish technical diagrams, process flow, MFS for Boiler and Steam Turbine package for 7MW Rasa Power Plant. • Work closely with the management in analyzing & detailing out the Biomass fuel strategy for the group with respect to short-term, mid-term and long-term plan. • Work closely with Group CEO and group CFO in analyzing the project cashflow, subsequently present it in graphical format for lender's and investor's version in terms of DCF method, etc. • Work with Siemens/MAN and OGPC in in the upgrade of Steam Turbine generator to be more efficient in terms of Steam to Fuel ratio for RASA. For Kerteh project, work with MAN in producing HMBD in COGEN basis, incorporating the output to TNB and LP steam supply to both Arkema and CJ Bio, with a possibility to supply captive power mode. • Work closely with the management for the commercial proposal of UPA to Arkema and CJ Bio. Arkema's biomass solution is fix + variable fee (RM/Ston) with a degree of escalation every 3rd anniversary of the contact. CJ Bio's biomass solution is towards MRP of Natural Gas derived by Department of Statistics, Malaysia. • Project leader for SEDA e-bidding for both Arcadia Renewable & Blossom Power. Work closely with the management and team to successfully negotiate and submit the bids that consist of technical and commercial details. • The only staff in the group to take the initiative to prepare, analyze, calculate, advice and work closely with the management in deriving carbon management for all Biomass Utility Hub projects in Arcadia Group, including but not limited to carbon avoidance and carbon sink calculations. • Work closely with the project team in appointing EPCC and appointing consultants as the TA/OE for the Kerteh project. • Work close with the management in resolving Upstream part of Biomass, through the acquisition opportunity of an Industrial Tree Plantation (ITP) in Mentakab via proposal presentation which includes technical and commercial numbers. Introduce energy crop plantations as part of Replanting strategy for sustainable ITP development.
Projects involved	:	<ol style="list-style-type: none"> 1. 7MW Rasa Power Plant – Repair & Upgrade <ul style="list-style-type: none"> • SEDA, ST, lenders, Investors & management deck. • Cashflow and Valuation spreadsheet. • MFS for boiler and STG package. • HMBD with Siemens and MAN. • Carbon Avoidance Rasa Power Plant • Technical & commercial negotiation with Vecoplan & Vermeer shredders. 2. Biomass Utility Hub – Kerteh (7MW TNB, 130tph LP steam CJ Bio and 16tph LP steam Arkema) <ul style="list-style-type: none"> • SEDA's documentation for 7MW e-bid, that includes technical and commercial documents. • CJ Bio technical and commercial excel calculation. • Arkema technical and commercial calculation. • Carbon avoidance Arkema. • Carbon avoidance CJ Bio (Internal). 3. Acquisition of 15,000 acres of Industrial Tree Plantation in Mentakab, Pahang. <ul style="list-style-type: none"> • Part of the biomass fuel long term strategy of Arcadia Group. • Presentation deck to the owner. • Woodchip production in excel sheet and subsequently cashflow generation. • Initiative to prepare DCF Valuation based on technical and cashflow generation and compare with Independent Plantation Valuer. • Carbon sink calculation in relation to the woodchip usage of Rasa Power Plant 4. Proposed Biomass Utility Hub for Ansell in Kulim, Kedah. (LP steam supply 35tph) <ul style="list-style-type: none"> • Proposal preparation in MS Word and MS Powerpoint • Utility calculation in excel • Carbon avoidance • Termination option calculation

5. **SEDA e-bidding Biomass FiT quota (New Biomass projects)**
 - 3.4MW Blossom Power in 2022 – Successful
 - 7.0MW Arcadia Renewable in 2021 – Successful
 - 3.4MW Blossom Energy in 2022 – Unsuccessful
 - 2.4MW Blossom Energy in 2021 – Unsuccessful
6. **Proposed Biomass Utility Hub in MSM Sugar Refinery, Johor**
 - Proposal preparation in MS Word and MS Powerpoint
 - Utility calculation in excel
 - Carbon avoidance
 - Savings simulation
 - Termination option calculation
7. **Acquisition of 30% shares in Cenviro by Arcadia Group, from Khazanah Nasional Bhd through BNP Paribas.**
 - Diversification of Arcadia Group business into Waste Management.
 - JV with Radimax Evalux, the owner of Radicare Group which has Medical Waste Concession in Peninsular Malaysia.
 - Proposal preparation and submission in PDF version, that includes injection of new assets and projects, strengthening current MSW and SW business to improve revenue, PAT and PE multiple.

ALAM FLORA SDN BHD, SELANGOR (AFSB)

Position : Assistant Manager, Project Management
Department : Project Management Department
Duration : Jan 2015 – Nov 2020



- As Assistant Manager, undertaking major assignments to be the Project and Technical Lead with respect to WTE, Mini Incinerators, Treatment at Source Technology, Large Scale Solar PV 1 project and other notable projects withing the RE environment. During the AFSB Group of companies day, manage to successfully obtained the Official Technology Verification letter of the proposed “OEM Stoker Grate Combustion System” to treat Municipal Solid Waste in Malaysia from the Secretary General, Ministry of Housing and Local Government, which is the major milestone for the consortium of DRB-HICOM Environmental Services Sdn Bhd (“DHES”) and Malakoff Corporation Bhd in their foray into the WTE industry in Malaysia.
- On WTE Projects, as the Technical Lead on DHES/AFSB responsible for preparation of bid/Term of Reference (“TOR”) documents, negotiation and coordination with various parties including but not limited to EPCC, local vendors, Technical Advisors, internal legal team, top management and assist the team to rectify technical gaps and issue as well as finalization of WTE Project tender submission.
- On Mini Incinerator projects, as the Technical Lead responsible for preparation of bid/Scope of Work (“SOW”) packages, negotiation and coordination with various parties including but not limited to local vendors/contractors, top management, suppliers, legal and financial team until the completion of the project.
- **Milestone achieved:**
 1. Bringing **world class brands** with competitive commercial offer into Incinerator projects to uplift the image of Malaysian mini-incinerator industry.
 2. Optimisation of Mini-Incinerator plant configuration with the introduction of locally fabricated Quad Shredder using **industry proven Hardox Material** for blade fabrication that has been successfully adopted by Tier 1 Shredder companies like Metso, ATM Recycling System and UNTHA.
 3. Ability to obtain **Emission Guarantees** of Cameron Highland Incinerator plant, which is 50% lower than Malaysian Clean Air Regulation 2014 of 100mg/Nm3 for up to 1 year.
 4. Ability to obtain 4 **Tier 1 China EPCC Budgetary Proposal** for evaluation and selection purposes for Waste to Energy (WTE) preparation in domestic market (Malaysia).
 5. Appointed as **Technical Expert (TE)** by Malaysia Greentech Corporation from 5th March 2018 until 31st December 2018.
 6. Selected to be part of **DRB-HICOM Managerial Development Program 2.0 Batch 5** in April 2018.
 7. Creation of Alam Flora / DHES **Waste to Energy Fact Sheet**, a guideline for the management to embark on WTE projects, based on technical and commercial requirements.
 8. Successfully obtained the **Official Technology Verification Letter of the proposed “OEM Stoker Grate Combustion System” to treat Municipal Solid Waste in Malaysia from the Secretary General, Ministry of Housing and Local Government** on 19th August 2019 for DRB-HICOM ENVIRONMENTAL SERVICES SDN BHD and MALAKOFF CORPORATION BHD. Act as the main presenter on 2nd August 2019.

MALAKOFF CORPORATION BERHAD, KUALA LUMPUR

Department : Ventures
Duration : Oct 2010 – December 2014



Business Development in technical aspect of RE projects. Technical and Business due diligence analysis of RE technologies and projects

Flagship project in Malakoff Corporation Bhd (“MCB”) is:

Major Project : 50% equity acquisition of 420MW Macarthur Wind Farm
Location : Hamilton, Victoria, Australia
Project Company : Malakoff Corporation Bhd.
Position : Technology Solution Engineer

As the technical lead of the project, responsible in conducting technical and commercial due diligence on Vestas V112 machines and verify all technical and commercial Vestas project documents against due diligence findings, attend meeting with various working groups including Wind technical advisor and provide all the technical inputs based on the assessment conducted in the Board of Director’s paper and Board’s presentation. The robustness and completeness of Technical assessment is one of the key decisions that the Board approved this project.

APS ENGINEERING COMPANY ROMA S.p.A, ITALY

Current Position : Trainee
Department : Piping, Via Mosca, Rome, Italy
Duration : January 2009 – July 2009



- Providing collaboration to the piping team in designing and submission of Engineering and Technical documents as well as Technical Reports for various engineering design stages.
- Contribute direct and indirectly in diverse design stages for various projects especially domestic and international projects principally in the Refining sector. (downstream).
- Recommended solutions to optimize the output of the plants.

ACHIEVEMENTS

Awards (University) : Dean’s list 2007 – 2008
Dean’s list 2008 – 2009

EDUCATION and TRAINING

Tertiary : **University of Malaya**
B. Eng in Mechanical
CGPA: 3.47/4.00
Kedah Matriculation College
Physics Stream
CGPA: 3.84/4.00

Secondary : **Science Selangor Secondary School**
SPM (2004): 8A 2B

Trainings/conference/seminar that have been participated : **2023 Argus Biomass Asia Conference at Pan Pacific Hotel Singapore from 20th – 22nd February 2023.**
Management Retreat Alam Flora/DHES in Financial Year 2015/2016, 2016/2017 and 2017/2018.

Delivering a High Impact Business Presentation by Mr. Rosli Ibrahim (Master Trainer) from People & Performance Consulting on July 2015.

Bengkel Memperincikan Pelan Tindakan Inisiatif Teknologi Hijau Wilayah Persekutuan by Ministry of Federal Territories on May 2015.

ISWA BEACON CONFERENCE – Waste to Energy Facilities in Emerging and Developing Economies by ISWA and WMAM on April 2015.

Maintenance of Waste-to-Energy Plants & EPC Contracts by PowerEdge (Trainer by Ramboll Denmark) on June 2014.

Planning & Managing Projects by InfoTrek on August 2013.

Engineering, Procurement & Construction (EPC) Contracts Masterclass by Universal Network Intelligence on March 2013.

Six Sigma for Leading Innovation at Your Workplace by Mawes Solution Sdn Bhd on October 2012.

Introduction to Small Hydro Power Plant Technology by SEDA, Perak Hi-Tech Park and Brodarski Institute (Croatia) on September 2012. (Complete the exam with a score of 88/100).

NLP for Professional Excellence: The Unfair Advantage by Quantum Achievers International Sdn Bhd on September 2012.

Fundamental of Project Management by InfoTrek on April 2012.

Finance for Non-Financial Personnel by Training.com Asia on March 2012.

Mastering High Impact Presentation Skills by Training.com Asia on January 2012.

PERSONAL ATTRIBUTES

Profile Summary :

- A sound technical oriented and detail engineer.
- Keen on embarking new challengers and strive to excel in any assignments given.
- Quick to understand new concepts, ideas and creative in adapting to a different team.
- Agile and a good team player.
- Great communication and presentation skills.
- Proactive, enthusiastic and resourcefulness.
- Possess excellent interpersonal, analytical, and organizational skills.
- A hardworking, dedicative, committed and punctual employee who is responsible in ensuring all the assignments are completed within the stipulated timeframe given.

Skills :

- Microsoft Word, Excel, Power Point, Adobe Acrobat (Intermediate)
- AutoCad, Solid Works (beginner)
- Technical Due Diligence, Project Management, Project Development, Business Development, Business and Technical Strategic Thinking, Municipal Solid Waste study for physical and chemical composition, Market and Country Research, Tier 1 EPCC/Advisor selection, Technology Evaluation, Proof of Concept Assessment, Technical Proposal Development and Write – Ups, Technical and Business Case Presentation, Term of Reference Documentation.

ADDITIONAL INFORMATION

- Availability : 3 month notice

REFERRALS

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Currently, Chairman of Training & Development Committee Waste Management Association of Malaysia (WMAM)
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