

**Ts. AHMAD ZAKI NAJMUDDIN BIN MOHD AINI**

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**PROFESSIONAL PROFILE**

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A dedicated, results-driven and enthusiastic Project Manager with over 9 years' experience in Underground Mining, Water and Wastewater Management sectors in Malaysia and Australia. Highly skilled in managing project delivery, analysing project cost, estimated project projection, and administering contract by using PRIMAVERA, ORACLE and AGILE. Experienced in handling various mega projects at local and international levels such as the construction of Rasau Water Treatment Plant (new water treatment plant) with design capacity of 1000 million liter per day (MLD) with approximate cost of MYR 4 billion in Malaysia and Montauban Water Treatment Plant in France. Specialized in Project Delivery, Project Management and Contract Administration. Well-developed leadership skills, communication, and management skills with various experience with client and team range around the globe. Maintaining confidentiality with ease. Recognised by others as having the capabilities to lead the team efficiently, communicate professionally, work with the team collaboratively and organise the projects independently.

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**PROFESSIONAL WORK EXPERIENCE**

Head of Project & Asset Management (**Talent Pool**)

Jan / 2022 – Present

Syarikat Air Terengganu Sdn Bhd, MALAYSIA

- Reporting directly to Head of Department (HOD) and Chief Executive Officer (CEO).
- Managing four (4) different sub-units; Distribution, Production, Asset Management and New Technology.
- Lead Transformation Management Office (TMO) in align with new vision and mission.
- Preparing revised 10 years business plan in align with digital transformation.
- Reviewing existing supply and demand curve for State Terengganu to align with proposed CAPEX programs.
- Presenting project proposals to the Terengganu State Executive Council (Majlis Mesyuarat Kerajaan Negeri Terengganu).
- Liaison with Board of Directors and Members of Parliament.
- Overseeing overall project implementation approved by the Terengganu State Government.

Head of Technology Development Unit

Sept / 2020 – Dec/ 2021

Pengurusan Air Selangor Sdn Bhd, MALAYSIA

- Reporting directly to Assistant General Manager.
- Managing four (4) different sub-units; Distribution, Production, New Development and Emerging Technology.
- Assisting Head of Department for any ad-hoc / urgent task.
- Overseeing the design and Project Working Committee (PWC) for Rasau Water Treatment Plant with estimated cost of MYR 4 billion.
- Supervising a team of total eleven (11) engineers and two (2) technicians.
- Producing and presenting monthly Board of Directors Operation Meeting report.
- Delivering upgrading SCADA for Production and Distribution with total of MYR 29 million under Capex 2020.
- Deploying the first smart water meter project in Malaysia using NB-IoT technology under Smart Sepang Project.
- Budgeting and analyzing the overall thirty (30) years Company Business Plan.

- Evaluating and screening any propose proof of concept (POC) and pilot project for any new operational product which involve emerging technology in the market.
- Evaluating and analyses all the equipment to be recommended in Approved Vendor List (AVL).
- Planning for continuous improvement, system expansion, review, refurbishment and upgrading of the SCADA at water treatment plants with the latest technology.
- Contract administration which involves reviewing and authorizing the submission of Extension of Time (EOT), Variation Order (VO), Certificate of Practical Completion (CPC), and Certificate of Making Good Defect (CMGD).
- Liaising with the internal and external parties including the stakeholders, local authority, contractors, consultants, and suppliers.

Assistant Manager

Sept /2018 – Sept /2020

Pengurusan Air Selangor Sdn Bhd, MALAYSIA

- Reported directly to Head of Section.
- Developed and enhanced the existing Company Standard Operating Procedure (“SOP”)
- Established good rapport with inter Department’s representative as well as local authority.
- Tracked and supervised projects with a total of MYR124.00 million under Capex 2018 and MYR41.00 million under Capex 2017.
- Managed and projected the asset improvement replacement cycles for thirty-four (34) water treatment plants.
- Attended meetings and networking events organised by Company, stakeholders and etc.
- Well-versed with MQTT and DNP3.0 communication protocol.
- Well-versed with the industry codes such hydraulic testing BS 5163, SS416 and others.

Senior Engineer

Dec /2017 – Sept /2018

Pengurusan Air Selangor Sdn Bhd, MALAYSIA

- Reported directly to Head of Asset Improvement Unit.
- Planned the continuous improvement, system expansion, refurbishment and upgrading works involved water treatment plants and dams in Selangor, Kuala Lumpur and Putrajaya.
- Coached four (4) junior engineers and two (2) technicians.
- Assisted Head of Unit for preparation of project brief, inception report, Project Review Committee (PRC) paper, Tender Evaluation Committee (TEC), Management Procurement Committee (MPC) paper, Board Paper and etc for approval.
- Negotiated with Contractors and produced variation order (VO) report for approval.
- Reviewed contractor submission which involved proposal, drawing, calculation, and prepared approval recommendation.

Application and Project Engineer

Sept /2015 – Dec /2017

Lantec Far East Sdn Bhd, MALAYSIA

- Reported directly to Head of Department.
- Managed multiple projects which involved water and wastewater treatment plants, drainage, and irrigation.
- Supported Project Manager for on-site installation works, engineering submission, monthly report submission and field acceptance test (FAT).
- Conducted training with client personnel for every system installed.
- Performed testing, commissioning, and troubleshooting on various system installed.
- Delivered the project in timely manners as stipulated in contracts.
- Demonstrated and explained the difference between multiples dewatering machines, filter press, decanter, screw press and belt press and developed guideline for dewatering standard.

Service Engineer

April /2014 – June /2015

Skilltech Pty Ltd, AUSTRALIA

- Reported directly to Project Manager.
- Prepared schedule for underground piping maintenance on more than ten (10) sites in Illawarra Region and West Sydney Region.
- Performed the mechanical aspects of maintenance, service procedure, quality assurance (QA) and quality control (QC).
- Participated and performed the failure analysis for all utilities supply in New South Wales Region.
- Lead toolbox meeting with technician and contractors.

Project Engineer

Jan /2013 – July /2013

Joy Global Pty Ltd, AUSTRALIA

- Reported directly to Project.
- Liaised with various contractor and vendors during project execution stage.
- Performed testing and commissioning and compiled the operation and maintenance manual documents.
- Generated services record for JOY Longwall Shearer project and Joy Facebolter 3040 machineries.
- Redesign and improved product development as required by Project Manager.
- Organized monthly progress meeting and presented technical presentation.

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#### PROFESSIONAL AFFILIATIONS/ASSOCIATIONS

Member of Board Engineers Malaysia	Since 2015
Member of Malaysian Capacity Development Network	Since 2017
Member of Board Technologist Malaysia	Since 2020

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#### PROFESSIONAL ACHIEVEMENTS AND CAREER HIGHLIGHTS

- Certified Internet of Things (IoT) Specialist.
- Internal auditor for ISO9001 and 55001.
- Lead representatives from Pengurusan Air Selangor to AVK Nanjing, China for field acceptance test (FAT) for more than fifty (50) valves -various sizes.
- Lead representative from Lantec Far East Sdn Bhd to EMO, Rennes France for improving sludge handling projects (Montauban Water Treatment)
- Project cost saving – Capex 2017 : approximately RM 7.37 million.
- Project cost saving – Capex 2018 : approximately RM 19.95 million.
- Scored above 90% KPI for end year 2018 and 2019.
- Zero Loss Time Injury (LTI) for projects executed under Capex 2017, Capex 2018 and Capex 2019.

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#### **TRAINING, COURSES AND SEMINARS ATTENDED**

Anti-Corruption Compliance	June/2021
Effective Management and Leadership Course	Jan/2020
ISO 55001 – Asset Management	Dec/2019
Occupational, Safety and Health (OSHA)	Jan/2018
Contract Administration and Project Management	Jan/2018

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#### **QUALIFICATIONS AND EDUCATIONAL BACKGROUND**

Bachelor's in Mechanical Engineering	Awarded in Dec 2013
University of Wollongong, Australia	

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#### **REFERENCES**

Available upon request

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#### **EXPECTED SALARY**

MYR 14,000.00 (exclude allowances)

**SIGNIFICANT PROJECT PORTFOLIO**

<b>No.</b>	<b>Project Title</b>	<b>Project Value (MYR)</b>	<b>Year / Status</b>
1	Proposed New Supply Scheme for Marang District	500,000,000.00	2022 / On-going
2	Pipe reticulation for Marang, Kuala Nerus & Kuala Terengganu District	9,100,000.00	2022 / On-going
3	Design and Supervision of New 20MLD Water Treatment Plant for Hulu Terengganu District.	30,000,000.00	2022 / On-going
4	Supply, deliver and Install Reticulation Pipe for Marang and Kuala Terengganu District.	9,100,000.00	2022 / On-going
5	Replacement of Faulty Electromagnetic Flowmeter and Its Accessories for Energy Management Unit	1,159,780.00	2021 / On-going
6	Integration to Production Information System (ProDIS) at Rasa WTP	35,300.00	2021 / Completed
7	Continuation Of Intelligent Command Centre (ICC) Modernization Expansion: To Design, Supply, Install, Integration, Commissioning Of Automatic Control Pump Houses RTU (50 Sites) with Mobile Smart Apps And Support Services.	5,275,650.00	2019 / Completed
8	Design and Build For System Enhancement of Smart Semenyih 2 Water Treatment Plant	9,327,978.80	2018 / Completed
9	Activation Of 17 Pump House With Remote SCADA System For Kuala Lumpur, Petaling and Gombak	1,054,730.00	2020 / Completed
10	Activation Of 16 Pump House With Remote SCADA System For Klang, Hulu Selangor, Kuala Selangor and Sabak Bernam	974,300.00	2020 / Completed
11	Activation Of 12 Pump House With Remote SCADA System For Hulu Langat and Kuala Langat	619,257.20	2020 / Completed
12	Installation of Insertion Probe Flowmeter and Pressure Sensor At SSP and Langat Trunkmain For Online Modelling System.	996,239.20	2020 / Completed
13	Installation Insertion Probe Flowmeter And Pressure At SSP Trunkmain For Online Modelling System (Phase 2)	3,218,026.00	2020 / Completed
14	Proposed Consultancy Services to Carry Out Design for Enhancement of Hydraulic Modelling Software and Online Modelling (Phase 3)	1,213,509.20	2020 / Completed
15	Package 3A – Automation Of Ten (10) Nos. Of Key Valves At Selected Distribution Network Locations For Pengurusan Air Selangor Sdn Bhd	2,454,308.00	2020 / Completed
16	Package 3B – Automation Of Eleven (11) Nos. Of Key Valves At Selected Distribution Network Locations For Pengurusan Air Selangor Sdn Bhd	1,989,780.00	2020 / Completed
17	Package 3C – Automation Of Fourteen (14) Nos. Of Key Valves At Selected Distribution Network Locations For Pengurusan Air Selangor Sdn Bhd	3,152,210.00	2020 / Completed
18	Upgrading of existing SCADA System at Bukit Nanas and Langat WTPs and Integration of Six (6) WTPs to ProDIS System	984,500.00	2020 / Completed
19	Package 1 – Supply, Deliver, Install, Testing And Commissioning Of 18 Sites Pump Houses And Reservoirs With Auto Scada System For Pengurusan Air Selangor Sdn Bhd	1,812,778.80	2020 / Completed
20	Package 2 – Supply, Deliver, Install, Testing And Commissioning Of 15 Sites Pump Houses And Reservoirs With Auto Scada System For Pengurusan Air Selangor Sdn Bhd	1,042,800.00	2020 / Completed

## SIGNIFICANT PROJECT PORTFOLIO

No.	Project Title	Project Value (MYR)	Year / Status
21	Package 3 – Supply, Deliver, Install, Testing And Commissioning Of 15 Sites Pump Houses And Reservoirs With Auto Scada System For Pengurusan Air Selangor Sdn Bhd	1,027,800.00	2020 / Completed
22	Package 4 – Supply, Deliver, Install, Testing And Commissioning Of 15 Sites Pump Houses And Reservoirs With Auto Scada System For Pengurusan Air Selangor Sdn Bhd	1,370,150.00	2020 / Completed
23	Enhancement of Hydraulic Online Modelling (Phase 4)	4,000,000.00	2021 / Completed
24	ICC Expansion Sites Auto SCADA Pumphouses and Reservoir (70 sites)	6,800,000.00	2021 / Completed
25	Proposed Procurement of Spare Valves at SSP2, Installation of New Valve at Rantau Panajant WTP and Repalcement of Defective Valve at Sg Gombak, Bkt Nanas and Sg Semenyih WTP	18,534,000.00	2018 / Completed
26	Supply, Installation, Configuration and Commissioning of New Open Channel Flowmeters at Eleven (11) Sludge Treatment Facilities and New Flowmeters at Twelve (12) Water Treatment Plants of Pengurusan Air Selangor Sdn Bhd	1,862,183.00	2018 / Completed
27	Construction of New Office and Other Associated Works at Sg Langat Dam	562,000.00	2018/ Completed
28	Improvement of Monitoring System for Performance, Behavior and Safety of Sg Langat Dam Embankment	885,960.00	2018 / Completed
29	Design and Build for The Replacement of 96 nos of Membrane Modules and Other Associated Works at Sg Rumpit WTP	824,380.00	2018 / Completed
30	Proposed Consultancy Services for Detailed Assessment - Design and Site Supervision for Seven (7) WTPs (Northern A & B, Southern) - Including Project Cost	15,987,000.00	2018 / Completed
31	Proposed Consultancy Services for Detailed Assessment - Design and Site Supervision for Three (3) WTPs (Southern)- – Including Project Cost	17,960,000.00	2018 / Completed
32	Proposed Consultancy Services for Detailed Assessment - Design and Site Supervision for Four (4) WTPs (Southern) <b>Entiti - PNSBW</b>	6,150,000.00	2018 / Completed
33	Proposed Consultancy Services for Detailed Assessment - Design and Site Supervision for Four (4) WTPs (Southern) <b>Entiti – ABASS</b>	10,078,000.00	2018 / Completed
34	Proposed Consultancy Services for Detailed Assessment - Design and Site Supervision for Four (4) WTPs (Southern) <b>Entiti - KASB</b>	2,595,000.00	2018 / Completed
35	Proposed Consultancy Services for Detailed Assessment - Design and Site Supervision for Ten (10) WTPs (Northern A & Northern B) - Including Project Cost	13,370,000.00	2018 / Completed

**SIGNIFICANT PROJECT PORTFOLIO**

<b>No.</b>	<b>Project Title</b>	<b>Project Value (MYR)</b>	<b>Year / Status</b>
36	Proposed Consultancy Services for Detailed Assessment - Design and Site Supervision for Ten (10) WTPs (Northen A & Northen B)	1,750,000.00	2018 / Completed
37	Consultancy Services for Detail Assessment on Existing Design and Process Diagram for 16 WTPs	998,225.00	2018 / Completed
38	Package 1 - Construction of New Sludge Treatment Facility at Sg Sireh WTP	9,712,500.00	2018 / Completed
39	Upgrading Sludge Holding Tank and Other Associated Works for Wangsa Maju, North Hummock, Bukit Nanas, Cheras Mile 11, Sg Gombak & Sg Rangkap Sludge Treatment Facility	4,350,000.00	2018 / Completed
40	Consultancy Services for Detailed Assessment - Design and Construction Supervision of New STF for Sg Batu WTP	1,332,464.80	2018 / Completed