

COMPANY PROFILE



G&P DAMS & WATER SERVICES SDN BHD (875291T)

**23-5, JALAN TASIK SELATAN 3,
BANDAR TASIK SELATAN,
57000 KUALA LUMPUR.**

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Company Philosophy

VISION

To Obtain the Hallmark for Quality Services, Technical Excellence, Reliability and Integrity.

OBJECTIVES

To provide value-added consultancy services & innovative engineering solutions to meet clients' satisfaction with due care for sustainable environment and society.

VALUES

We Value Our Staff for Their Creativity & Commitment to Quality.

We provide the Best Solution for Our Clients.

We Uphold Integrity in All Our Dealings with Our Clients and Vendors.

The Company

Our Core Business

G&P DAMS & WATER SERVICES SDN BHD is a specialist providing wide range of services on dam engineering, water treatment and distribution. We specialize in feasibility studies, detailed design and construction stage management pertaining to dam and water supply engineering.

Our Core Values

We believe that Quality Service is a result of continuous dedicated effort that brings tremendous value. We value our staff for their Creativity, Commitment & Teamwork towards ensuring the best solution and value for our clients. We embrace honesty and trustworthiness through professional and ethical behavior with our clients, communities and each other.

Our Goal

We are committed to provide Innovative, High Quality, Cost Effective & Environmental Friendly Designs with emphasis on Safety & Ease of Construction. We are committed to the success of our clients and people.

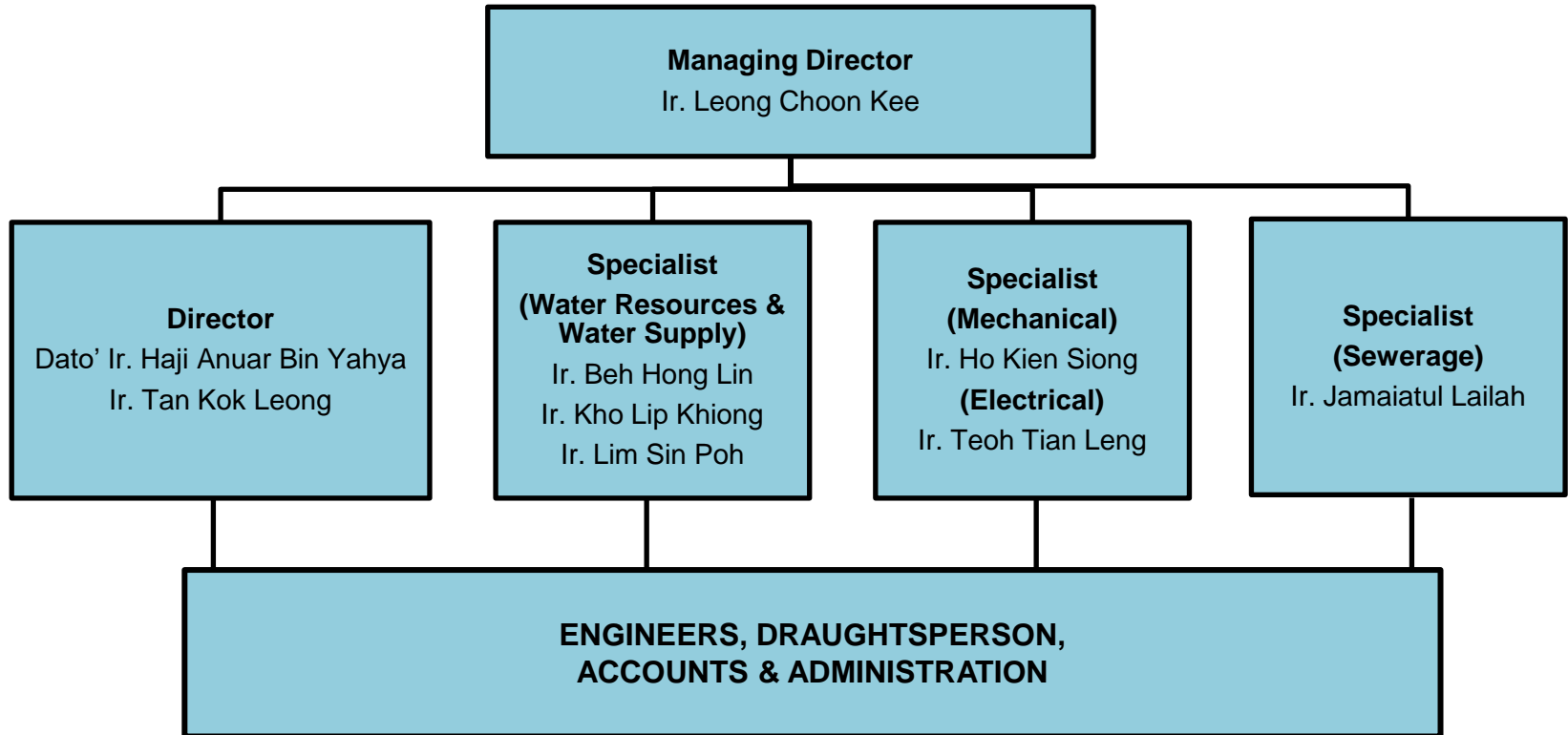
Our Services

We provide specialized engineering services in water engineering to both private and public sectors covering the following areas:-

- Feasibility Studies for Dam Design
- Design of Dams (in association with international experts)
- Routine Dam Safety Inspection
- Dam Surveillance and Monitoring
- 5-year Dam Safety Inspection
- Dam Break Study
- Emergency Response Plan
- Feasibility Studies of Water Supply Schemes
- Detailed Design of Water Treatment Plant and Distribution Systems
- Construction Stage Management

G&P Dams & Water Services Sdn Bhd

Organization Chart



Key Personnel

Ir. LEONG CHOON KEE

KEY EXPERIENCE

Ir. Leong Choon Kee graduated from University of Technology Malaysia with B. Eng. (Civil). He has over 28 years of experience in planning, design, implementation and contract administration of large scale water supply schemes throughout Malaysia. His areas of specialties include:

- Planning, feasibility study and detailed design of water supply scheme
- Distribution network system study
- Intake and water treatment plant
- Distribution system, ie. pipelines, reservoir and booster stations
- Project management and contract administration



POSITION

MANAGING DIRECTOR

QUALIFICATION

Bachelor of Civil Engineering, University of Technology Malaysia, 1991

PROFESSIONAL MEMBERSHIP

- Registered Professional Engineer with Practising Certificate (PEPC), Board of Engineers Malaysia (BEM)
- Member, Institution of Engineers, Malaysia (IEM)
- Member, Malaysian Water Association (MWA)
- Qualified Person, Suruhanjaya Perkhidmatan Air Negara (SPAN)

EXPERIENCE

Duration **January 2017 - Present**

Employer **G&P Dams & Water Services Sdn Bhd**

Position **Managing Director** **: Jan 2020 – Present**

Director **: Jan 2017 – Dec 2019**

Projects Involved:

- Business Development, Management and Operation of the company
- Feasibility Study for Cambodia Raw Water Source Works
- Alternative Incoming Water Supply System for Emerald Hills Development

- Kajian Kemungkinan Rekabentuk Pembangunan Sumber Air di Sungai Pontian Besar dan Pembinaan Baraj Sungai Pulai, Johor
- Sungai Pontian Besar Integrated River Basin Management (IRBM) Plan
- Sungai Marang Integrated River Basin Management (IRBM) Plan
- Penyediaan Pelan Pengurusan Lembangan Sungai Bersepadu (IRBM) Sungai Besut, Terengganu
- Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor
- Condition Assessment on Surge Suppression System of SSP3 Bukit Badong Water Treatment Plant
- Inspection of Balancing Reservoir at Sg Semenyih WTP
- Dam Safety Review of Semenyih Dam 2018.
- Rancangan Bekalan Air Daerah Larut Matang, Selama & Kerian 'Conceptual Study Untuk Sludge Dewatering Facility' Bagi Loji Rawatan Air Gunung Semanggol.
- Project Manager for Hydrology, Hydraulic, Water Quality and Thermal Plume Assessment for LUAS and EIA Submission for GS Paper.
- Project Manager for Kerja-Kerja Meningkatkan Sumber Air Mentah Di Loji Rawatan Air Gemas.
- Project Manager for Water Supply Demand and Distribution Study for Negeri Sembilan (SAINS).
- Project Manager for Relocation of Sg. Langat Raw Water Intake, Pump Station and Associated Raw Water Pipe for Hartalega NGC Sdn Bhd.
- Involved in Miri Water Supply Source Development Phase 2.
- Project Manager for Sg. Langat Water Abstraction Study for Proposed Water Intake for GS Paperboard.

Duration	June 1997 - December 2016	
Employer	Ranhill Bersekutu Sdn Bhd / Ranhill Consulting Sdn Bhd	
Position	Deputy Division Director	: Jan 2016 - Dec 2016
	Senior Associate	: Jan 2015 - Dec 2015
	Project Manager/Associate	: July 2004 - Dec 2014
	Lead Engineer/Manager	: July 2002 - June 2004
	Principal Engineer	: Sept 1999 - June 2002
	Senior Engineer	: June 1997 - Aug 1999

Projects Involved:

- Project Manager for the Independent Checking Engineer role for sewerage works for Malaysia Debt Ventures Berhad. The works involved establishing baseline work programme and preparation of progress monitoring reports.

- Project Manager for the Study of Water Supply Scheme for Iskandar Development Region for Pengurusan Aset Air Berhad / SAJ Holdings Sdn Bhd. The scope of works include data collection, review of water demand projection, field investigation, network analyses using InfoWorks program and preparation of reports.
- Project Manager for the Proposed Langat II Distribution System (Western Corridor) for Pengurusan Aset Air Berhad. (Contract Value = RM500 Million). The scope comprises of 1150mm dia. to 2500mm dia. distribution pipes and various sizes of RC reservoir, ie 22 ML to 80 ML capacity.
- Project Manager for the Replacement of Weir at Raw Water Pumping Station Sg. Tinggi Dam, Selangor for Unit Perancang Ekonomi Negeri. (Contract Value = RM10.5 Million). The scope comprises of 45m length x 2.8 m high weir across Sg. Selangor and ancillary works.
- Lead Engineer for the Proposed Pagoh Water Treatment Plant and Distribution Works in Muar District for Pengurusan Aset Air Berhad. The works consist of a 40 MLD water treatment plant, a 5.4 ML ground RC reservoir and trunk distribution mains with sizes ranging from 500 mm dia. to 1000 mm dia.
- Lead Engineer for the Proposed Extension of Kogopon Water Treatment Plant, in Papar District, Sabah for Jabatan Air Negeri Sabah. The scheme consists of a 40 MLD water treatment plant, reservoirs and trunk distribution mains.
- Lead Engineer for Ganchong Water Treatment Works in Pekan, Pahang for East Coast Economic Region Development Council. The works comprise of a 160 MLD water treatment plant, 1400 mm dia. and 1100 mm dia. trunk distribution mains, booster stations and reservoirs.
- Lead Engineer for Proposed Distribution works from Semangar Water Treatment Plant in Johor Bahru for Pengurusan Aset air Berhad. The works consist of 1400 mm dia. trunk distribution main, reservoirs, booster station and pipelines.
- Lead Engineer for the Distribution Study for Johor Bahru District for Pengurusan Aset Air Berhad. The scopes include data collection, field investigation, network analyses using InfoWorks program and preparation of reports.
- Lead Engineer for Raw Water Supply from Layang Dam to Bahru Stainless Plant in Tanjung Langsat, Johor for Johor State Government. The works consist of intake and raw water pumping station, and 600 mm dia. pumping main.
- Project Manager for the Proposed Water Supply System in Sedenak, Johor Bahru for SAJ Holdings Sdn. Bhd. (Contract Value = RM20 Million). These works consist of a 4.5 ML ground RC reservoir, access road, 600 mm dia. and 700 mm dia. Distribution pipes.
- Lead Engineer for the water supply system for Proposed 20,000 units of Residential Apartments, including Consultancy Services for the Master Planning and Design of Facilities Buildings, Common and Local Infrastructure Works and Services at West Benghazi New town, Libya for Great Socialist People's Libyan Arab Jamahiriya. The work comprises of reservoir, booster station and reticulation mains.

- Lead Engineer for the water supply system for Proposed 10,680 units of Residential Apartments, including Consultancy Services for the Master Planning and Design of Facilities Buildings, Common and Local Infrastructure Works and Services at Tajura, Libya for Great Socialist People's Libyan Arab Jamahiriya. The work comprises of reservoir, booster station and reticulation mains.
- Project Manager for the Distribution Improvement Works in Johor Bahru (3rd operating period) for SAJ Holdings Sdn. Bhd. (Contract Value = RM55 million). The works include 250mm dia. to 1200mm dia. distribution pipes.
- Project Manager for the Upgrading, Rehabilitation and Extension of Grisek Water Treatment Plant in Muar for SAJ Holdings Sdn. Bhd. (Contract Value = RM22 Million). The scope involves upgrading of treatment plant from 44.8 MLD to 62.2 MLD.
- Lead Engineer for Distribution Study for Optimization of Water Distribution from SSP1, SSP2 and SSP3 WTPs and to be upgraded Sg. Batu WTP for Syarikat Bekalan Air Selangor Sdn Bhd.
- Project Manager for the proposed Diversion of Water Resource from Rasa Water Treatment Plant to Rawang and Bukit Sentosa Area for Puncak Niaga (M) Sdn Bhd (Contract Value = RM90 million). The work comprises of 20 km of 1500mm dia. MS pipeline.
- Project Manager for the Proposed Water Supply System to Johor State New Administrative Centre in Johor Bahru for SAJ Holdings Sdn Bhd (Contract Value = RM10 million). The scope comprises of 1000mm dia. distribution main and 250mm dia. reticulation main.
- Project Manager for the proposed Pipe Rehabilitation for Year 2004 for SAJ Holdings Sdn Bhd (Contract Value = RM30 Million). The scope consists of pipe replacement works in Johor Bahru, Kota Tinggi, Segamat, Pontian, Kluang and Muar districts.
- Project Manager for the proposed 2.27 ML Elevated RC Reservoir and Ancillary Works at Taman Tiara, Tangkak, Muar District for SAJ Holdings Sdn Bhd.
- Project Manager for the proposed 2.27 ML Elevated RC Reservoir and Ancillary Works at Serom 6, Muar for SAJ Holdings Sdn Bhd.
- Project Manager for the proposed Improvement Works at Sengkang, Muar District for SAJ Holdings Sdn Bhd. The works comprise of 450 mm dia. and 500 mm dia. pipelines.
- Project Manager for the proposed 1.14 ML Elevated RC Reservoir and Ancillary Works at Jeram Lama, Muar District for SAJ Holdings Sdn Bhd.
- Project Manager for the proposed Improvement Works for Jalan Sialang, Tangkak, Muar District for SAJ Holdings Sdn Bhd. The scope comprises of 500 mm dia. and 250 mm dia. pipelines.
- Project Manager for Improvement Works at Pagoh, Muar District for SAJ Holdings Sdn Bhd. The works comprise of a 2.27 ML ground RC reservoir, 350 mm dia. rising main and 250 mm dia. falling main.
- Project Manager for Distribution Improvement Works for Bukit Gambot, Muar District for SAJ Holdings Sdn Bhd. The works consist of a 2.5 ML elevated RC reservoir at Pt. Mesjid and a 2.27 ML elevated RC reservoir at Paya Panjang.

- Project Manager for Distribution Improvement Works in Bekok, Segamat District for SAJ Holdings Sdn Bhd. The Works comprise of 0.91 ML RC suction tank, 2.27 ML ground RC reservoir, booster station, staff quarters, pipeline, pumping and electrical plants.
- Lead Engineer for New Mersing Water Supply Scheme for SAJ Holdings Sdn Bhd (Contract Value = RM35 million). The scope of the scheme consists of an intake, a 10 MLD water treatment plant, reservoir and distribution mains. Assisted Project Manager in contract administration and coordination of construction works. Also involved in the preparation of design concept, planning, field investigation, detailed design and documentation for the works.
- Lead Engineer for the tender proposal for Kelar Water Supply Scheme, Pasir Mas for Air Kalantan Sdn Bhd. The scope of the scheme consists of an intake, a 54 MLD water treatment plant, reservoirs, distribution mains and refurbishment of existing treatment works.
- Lead Engineer for Proposed Distribution Improvement Works to Replace Water Supply from PUB Offtakes in Johor (Zero Dependency) for SAJ Holdings Sdn Bhd (Contract Value = RM 375 million). Assisted Project Manager in contract administration and coordination of construction works. The works comprise of various sizes of distribution pipes, RC reservoirs and booster stations. Also involved in the preparation of design concept of the system, planning, field investigation, detailed design and documentation for the works.
- Lead Engineer for Semangar Water Supply Scheme for SAJ Holdings Sdn Bhd (Contract Value = RM 250 million). The scheme consists of an intake, a 160 MLD water treatment plant, reservoir and trunk distribution mains. Assisted Project Manager in contract administration and coordination of construction works. Also involved in the preparation of design concept, planning, field investigation, detailed design and documentation for the works.
- Involved in the Study of Proposed Water Supply System to Replace PUB Offtakes in Johor (Zero Dependency) for SAJ Holdings Sdn Bhd. The scope includes field investigation, network analyses using WATNET program and preparation of reports.
- Lead Engineer for Tenglu Water Treatment Works Extension, Mersing for Syarikat Air Johor Sdn Bhd (Contract Value = RM 8.1 million). Involved in planning, field investigation, detailed design, documentation and contract administration for the extension of treatment works capacity from 9 MLD to 15 MLD.
- Lead Engineer for Crash Program for Raw Water Transfer to Congok Dam, Mersing for Syarikat Air Johor Sdn Bhd (Contract Value = RM 3.1 million). Involved in planning, field investigation, detailed design, documentation, contract administration and supervision of the works which include river intake, pumping main, break pressure tank and falling main, to transfer 4.5 MLD of raw water to Congok Dam.
- Lead Engineer for Upgrading of Water Supply Distribution System for Simpang Renggam/Macap Area, Kluang District for Syarikat Air Johor Sdn Bhd (Contract Value = RM 3.4 million). Involved in network analyses, field investigation, detailed design,

documentation and tender evaluation of the works which comprise of RC reservoirs and pipelines.

- Involved in the South East Johor Water Supply Master Plan Study for Syarikat Air Johor Sdn Bhd. The scope includes field investigation, network analyses using WATNET program, and preparation of reports and preliminary engineering design for the study.

Duration **June 1996 - June 1997**

Employer **ABL Consultants Sdn Bhd**

Position **Senior Civil Engineer**

Projects Involved:

- Involved in the master planning, detailed design, liaison with authorities, documentation and tender evaluation for infrastructure works for the proposed Behrang 2020 Township, Perak (approx. 900 acres) for Behrang 2020 Sdn Bhd.
- Involved in the master planning and preliminary design of infrastructure works for the proposed Mixed Development at Ijok, Selangor (approx. 200 acres) for Glomac Land Sdn Bhd.

Duration **Sept 1995 - May 1996**

Employer **Acer Consultants Sdn Bhd**

Position **Senior Civil Engineer**

Projects Involved:

- Design Engineer for the proposed sewage treatment plant which caters for 19,500 PE for Port Dickson Town, Negeri Sembilan for Indah Water Konsortium.
- Design Engineer for the proposed water supply system for Kawasan Perindustrian Tanjung Langsat for JSEDC Technopark Sdn Bhd. Involved in the planning, field investigation, detailed design, documentation and tender evaluation of proposed water supply system.

Duration **December 1991 - August 1995**

Employer **Sepakat Setia Perunding Sdn Bhd**

Position **Senior Civil Engineer**

Projects Involved:

- Engineer for Projek Mempertingkatkan Sistem Agihan Air Di Daerah Johor Bahru for Syarikat Air Johor Sdn Bhd (Contract Value = RM 140 million). Involved in the site reconnaissance and feasibility study, coordination of topographical survey and supervision of soil investigation works, detailed design, documentation, tender evaluation, contract administration and supervision of the works. The works comprise of various sizes of distribution pipes, RC reservoirs and booster stations.
- Engineer for Review of Johor Bahru District Distribution Improvement Study and Priority of Implementation for Jabatan Bekalan Air, Negeri Johor. Involved in the field investigation, network analyses using WATNET program and preparation of reports.

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- Design Engineer for the Water Supply and Sewerage System for Proposed Sg. Long Township, Cheras. Assisted in the detailed design and tender documentation of the proposed water supply and sewerage system for the development.

Duration ***June 1991 - December 1991***

Employer ***Pakatan Runding Yusoff Sdn Bhd***

Position ***Civil Engineer***

Projects Involved:

- Design Engineer for Lahad Datu Water Supply Extension Scheme Phase II for Jabatan Air Negeri Sabah. Assisted in the design of water treatment plant.
- Design Engineer for Proposed Shop Houses in Sg. Buloh for Perbadanan Kemajuan Negeri Selangor. Assisted in the structural design of 1 ½ storey shop houses.

DATO' Ir. HAJI ANUAR BIN YAHYA

KEY EXPERIENCE

Dato' Ir. Haji Anuar bin Yahya graduated from the Universiti Teknologi MARA (UiTM) in 1981 with an Advanced Diploma in Civil Engineering. He obtained his Master of Engineering (Structural and Construction Engineering) degree from the Asian Institute of Technology (AIT), Bangkok, Thailand in 1989. He retired from the civil service as the Deputy Director-General (Specialist Sector) of the Department of Irrigation and Drainage (DID) in 2018 after serving for over 37 years (1980 – 2018).



He has served as a Council Member of the Institution of Engineers, Malaysia (IEM) for the 2016 – 2019 session. He is also an ASEAN Chartered Professional Engineer (ACPE), since 2016, besides holding the Certified Professional in Erosion and Sediment Control (CPESC) certificate.

He gained comprehensive experience in planning, design and construction of DID structures in the early years of his appointment as design engineer in the DID headquarters.

POSITION

DIRECTOR

QUALIFICATION

- Master of Engineering (Structural Engineering And Construction) Asian Institute Of Technology, Bangkok, Thailand 1989
- Advance Diploma in Civil Engineering, Universiti Teknologi Mara, 1981
- Diploma in Civil Engineering, Universiti Teknologi Mara, 1978

PROFESSIONAL MEMBERSHIP

- Registered Professional Engineer with Practising Certificate (PEPC)
- Member of Institution of Engineers, Malaysia (MIEM)
- ASEAN Chartered Professional Engineer (ACPE)
- Envirocert International INC (ECI)
- Certified Professional in Erosion and Sediment Control (CPESC)

HONOURS

- Darjah Setia Pangkuan Negeri (D.S.P.N) Pulau Pinang 2017
- Bintang Cemerlang Negeri (B.C.N) Pulau Pinang 2011
- Ahli Mahkota Perak (A.M.P) 1999
- Pingat Perkhidmatan Terpuji (P.P.T) Perak 1997

RECOGNITION

- Anugerah Perkhidmatan Terpuji JPS Pulau Pinang 2014
- Anugerah Perkhidmatan Cemerlang JPS Malaysia 2006
- Sijil Perkhidmatan Cemerlang JPS Perak 1998
- Ahli Panel Penasihat Industri, Fakulti Kejuruteraan Awam, Universiti Teknologi MARA (UiTM), Pulau Pinang 2014 – 2016
- Ahli Panel Penasihat Industri, Fakulti Kejuruteraan Awam, Universiti Teknologi Petronas (UTP), Pulau Pinang 2017 – 2019
- SIRIM Berhad For The Development Of Malaysian Standard MS 523: PART 1:2005 [Concrete – Part 1: Specification, Performance, Production And Conformity (Second Revision)]

EXPERIENCE

Project Experience

Duration *May 2020 - Present*

Employer *G&P Dams & Water Services Sdn Bhd*

Position *Director*

Duration *May 2018 - October 2018*

Employer *Department Of Irrigation And Drainage (DID), Malaysia*

Position *Deputy Director-General (Specialist Sector)*

Duration *November 2015 - April 2018*

Employer *Department Of Irrigation And Drainage (DID), Malaysia*

Position *Director – Division Of Coastal Zone Management*

Duration *February 2010 - November 2015*

Employer *Department Of Irrigation And Drainage (DID), Penang*

Position *Director*

Duration *August 2008 – January 2010*

Employer *Department Of Irrigation And Drainage (DID), Kelantan*

Position *Director*

Duration *March 2006 – August 2008*

Employer *Division Of Corporate Development, Department Of Irrigation
And Drainage (DID), Malaysia*

Position *Deputy Director*

<i>Duration</i>	<i>January 2004 – February 2006</i>
<i>Employer</i>	<i>Division Of Quality And Productivity, Department Of Irrigation And Drainage (DID), Malaysia</i>
<i>Position</i>	<i>Director</i>
<i>Duration</i>	<i>January 2001 – December 2003</i>
<i>Employer</i>	<i>Division Of Corporate Development, Department Of Irrigation And Drainage (DID), Perak</i>
<i>Position</i>	<i>Principal Assistant Director</i>
<i>Duration</i>	<i>May 1995 – January 2001</i>
<i>Employer</i>	<i>Department Of Irrigation And Drainage (DID), Perak Tengah, Perak</i>
<i>Position</i>	<i>District Engineer</i>
<i>Duration</i>	<i>April 1992 – May 1995</i>
<i>Employer</i>	<i>Department Of Irrigation And Drainage (DID), Gombak, Selangor</i>
<i>Position</i>	<i>District Engineer</i>
<i>Duration</i>	<i>April 1986 – September 1987</i>
<i>Employer</i>	<i>Department Of Irrigation And Drainage (DID), Malaysia</i>
<i>Position</i>	<i>Design Engineer</i>
<i>Duration</i>	<i>July 1983 – March 1986</i>
<i>Employer</i>	<i>Agricultural Development Project, Department Of Irrigation And Drainage (DID), Malaysia, Bagan Serai, Perak</i>
<i>Position</i>	<i>Assistant Resident Engineer</i>
<i>Duration</i>	<i>December 1980 – June 1983</i>
<i>Employer</i>	<i>Agricultural Development Project, Department Of Irrigation And Drainage (DID), Malaysia</i>
<i>Position</i>	<i>Design Engineer</i>

Ir. TAN KOK LEONG

KEY EXPERIENCE

Ir. TAN Kok Leong is a highly experienced infrastructural engineer with more than 28 years of experience in the design, planning, construction and project management of large-scale township development, commercial buildings, industrial buildings and flood mitigation projects.

His experience is predominantly in township infrastructure and commercial building projects. He is the co-founded G&P Infra Sdn Bhd in 2005. Before joining G&P group, he was the design engineer involving in



Malaysia-Singapore Second Crossing Custom, Immigration and Quarantine Complex, Sheraton Labuan Hotel, Ledang Heights Development in Iskandar Puteri, Seban Cove Marina and Golf Resorts, 1060 Units of Government Quarters for CIQ MSSC. He has a short stint as the Principal of Fadhlullah & Associate mainly dealing with landed properties development before founding G&P Infra in 2005.

Ir. TAN Kok Leong is familiar with the requirements of local council and design planning requirements for projects and is accustomed to interfacing with various disciplines and managing large team of engineers in delivering the design requirements within tight schedule.

Ir. TAN Kok Leong has involved in many township infrastructural projects i.e. Kajang 2 Township, Jade Hills, Nilai Impian 2, Tuanku Heights, Alamsari South, Ecohill 2 and etc. as well as local infrastructure and structural design for commercial buildings. His experience will equip him with the necessary skill needed to manage the project and deliver in timely manner. He will be able to plan ahead and identify areas of concern and provide solution and mitigation measures at the beginning of the project implementation thus ensuring time and cost are under control.

POSITION

DIRECTOR

QUALIFICATION

Bachelor of Civil Engineering, University of Technology Malaysia, 1992

PROFESSIONAL MEMBERSHIP

- Professional Engineer, Board of Engineers Malaysia (BEM)
- Member, Institution of Engineers, Malaysia (IEM)

EXPERIENCE

Project Experience

Duration *May 2020 - Present*

Employer *G&P Dams & Water Services Sdn Bhd*

Position *Director*

Projects Involved:

- Perkhidmatan Perundingan bagi Kajian Kemungkinan Rekabentuk Pembangunan Sumber Air di Sungai Pontian Besar dan Pembinaan Baraj Sungai Pulai, Johor
- Perkhidmatan Perunding Kejuruteraan untuk Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor

Duration *July 2005 - Present*

Employer *G&P Infra Sdn Bhd*

Position *Managing Director*

Projects Involved:

- **Proposed 800 acres Glengowrie Estate township development at Semenyih, Kajang SP Setia Berhad - Major Infrastructure Design for entire development.**
Involved in infrastructure planning and conceptual, scheme, preliminary, detailed design, implementation, coordination of the project as well as liaison with client, other consultants and authorities.
- **Proposed 342 acres Alamsari South township development at Bangi, Selangor SP Setia Bhd - Major Infrastructure Design for entire development.**
Involved in infrastructure planning and conceptual of this hill-site development, preliminary, detailed design, implementation, coordination and supervision of the project as well as liaison with client, other consultants and authorities.
- **Proposed 562 Units of RSKU Apartments at Phase EG2, Elmina Green, Shah Alam Sime Darby Elmina Development Sdn Bhd**
Local Infrastructure and Structural (Pre-cast) Design
Involved in local infrastructure and structural conceptual, preliminary, detailed design, implementation, coordination and supervision of the project as well as liaison with client, other consultants and authorities.

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- **Proposed 2 Blocks of 26 Storey Hotel, Enterprise Office, Wellness Center and Aged Care Center including 7 storey podium car park and other amenities, Cyberjaya, Selangor**

Story World Sdn Bhd - Local Infrastructure and Structural Design

Involved in local infrastructure and structural conceptual, preliminary, detailed design, implementation, coordination and supervision of the project as well as liaison with client, other consultants and authorities.

- **Proposed 7 Storey Office, Showroom and Training Centre, Kinrara, Selangor**

Hap Seng Land (Puchong) Sdn Bhd - Local Infrastructure and Structural Design

Involved in local infrastructure and structural conceptual, preliminary, detailed design, implementation, coordination and supervision of the project as well as liaison with client, other consultants and authorities.

Duration ***1996 - 2003***
Employer ***Fadhlullah & Associate Sdn Bhd***
Position ***Principal***

Duration ***1993 - 1996***
Employer ***Jurutera Budiman Sdn Bhd***
Position ***C&S Engineer***

Duration ***1992 - 1993***
Employer ***Jurutera Perunding Daya Sdn Bhd***
Position ***C&S Engineer***

SHAZELIA ASHIKIN BINTI SULAIMAN

KEY EXPERIENCE

Shazelia Ashikin graduated from University Putra Malaysia with Bachelor of Agricultural and Biosystems Engineering (Hons.) and M.Sc in Soil and Water Engineering.



A versatile engineer with more than five years' experience working in water supply and water resources industries. She has extensive knowledge and experience in hydraulic and water supply network analysis as well as exposure in water intakes and pipe laying design. She is passionate in exploring new things thus hydrogeology has been her research interest during postgraduate study.

She gained experience particularly in groundwater investigation and obtained Master of Science (M.Sc) in Soil and Water Engineering in 2015. Ambitious and goal oriented; she is committed to accomplish task given with proactive approach. She is also an enthusiastic team player who is able to strategize effectively to provide the best outcome.

POSITION

ENGINEER

QUALIFICATION

- M.Sc (Soil and Water Engineering), University Putra Malaysia, 2015
- B.E. of Agricultural and Biosystems (Hons.), University Putra Malaysia, 2012

PROFESSIONAL MEMBERSHIP

Graduate Engineer, Board of Engineers Malaysia (BEM)

Member, Malaysia Water Association (MWA)

EXPERIENCE

Duration **18 September, 2017 - Present**

Employer **G&P Dams & Water Services Sdn Bhd**

Position **Engineer**

Projects Involved:

- Alternative Incoming Water Supply System for Emerald Hills Development
- Perkhidmatan Perundingan bagi Kajian Kemungkinan Rekabentuk Pembangunan Sumber Air di Sungai Pontian Besar dan Pembinaan Baraj Sungai Pulai, Johor
- Sungai Pontian Besar Integrated River Basin Management (IRBM) Plan
- Sungai Marang Integrated River Basin Management (IRBM) Plan

- Penyediaan Pelan Pengurusan Lembangan Sungai Bersepadu (IRBM) Sungai Besut, Terengganu
- Perkhidmatan Perunding Kejuruteraan untuk Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor
- Condition Assessment on Surge Suppression System of SSP3 Bukit Badong Water Treatment Plant
- Inspection of Balancing Reservoir at Sg Semenyih WTP
- Dam Safety Review of Semenyih Dam 2018.
- Water Supply Demand and Distribution Study for Seremban, Port Dickson and Rembau, Negeri Sembilan.
- Integrated Shoreline Management Program (ISMP) Kuching-Betong.
- Water Supply Demand and Distribution Study for Jelebu, Jempol, Kuala Pilah and Tampin, Negeri Sembilan.
- Conceptual Study of Sludge Dewatering Facility for Gunung Semanggol Water Treatment Plant.
- Kerja- kerja Meningkatkan Sumber Air Mentah Bagi Loji Rawatan Air Gemas.
- Study, planning, conceptual design development, detailed design.

Duration **September 2015 - September 2017**

Employer **Ranhill Bersekutu Sdn Bhd**

Position **Engineer (Water Resources)**

Projects Involved:

- Johor Water Resources Studies and Bulk Transfer Strategies.
- Pipe Replacement Programme in Selangor, Wilayah Persekutuan KL and Putrajaya for Year 2017/2018.
- Study of Water Supply Scheme for Iskandar Development Region (IDR).
- Independent Checking Engineer (ICE) role for sewerage pipework's in Kuala Lumpur.

Duration **May 2014 - May 2015**

Employer **EnviroSolution & Consulting (ESC) Sdn Bhd**

Position **Engineer (Soil and Groundwater)**

Projects Involved:

- Coordinated groundwater investigations and remediation through monitoring and evaluations.
- Performed engineering calculations for groundwater pumping test analysis.
- Developed a 3D structural model of polluted groundwater area for contaminant transport analysis using Surfer and Visual MOD Flow.

Duration **May 2012 - September 2014**

Employer **Universiti Putra Malaysia (UPM)**

Position **Graduate Research Assistant**

Projects Involved:

- Developed a physical aquifer model for research project, overcoming resources and funding limitation, with minimum supervision.
- Responsible for evaluating and interpreting aquifer characteristics for Malaysian Nuclear Agency, Selangor and private clients through analysis of pumping test.
- Experienced with resistivity exploration activities in order to find potential area of groundwater.

LOO WEI SUNG

KEY EXPERIENCE

Loo Wei Sung graduated from University Tun Hussein Onn Malaysia with Bachelor of Civil Engineering (Hons.)

She has knowledge and experience in hydraulic and water supply network analysis, as well as exposure in water reticulation and raw water intake design. She is passionate in exploring new things and job experience.



She is also a highly self-motivated and optimistic civil engineer, keen to secure a challenging role along the career path. She has the passion for learning and developing new and existing skill. Besides, she also enjoys problem-solving using established analytical methods and engineering principles.

POSITION

ENGINEER

QUALIFICATION

- B.E. of Civil and Environmental Engineering (Hons.),
University Tun Hussein Onn Malaysia, 2020

PROFESSIONAL MEMBERSHIP

Graduate Engineer, Board of Engineers Malaysia (BEM)

EXPERIENCE

Duration *1st October 2020 - Present*

Employer *G&P Dams & Water Services Sdn Bhd*

Position *Engineer*

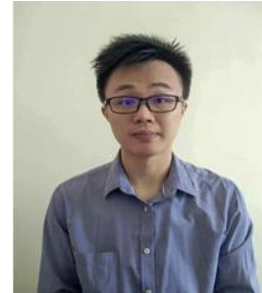
Projects Involved:

- Perkhidmatan Perunding Kejuruteraan untuk Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor
- Kerja- Kerja Meningkatkan Sumber Air Mentah Bagi Loji Rawatan Air Gemas

NG YI ZHE

KEY EXPERIENCE

Ng Yi Zhe graduated from The National University of Malaysia with Bachelor of Civil and Structural Engineering (Hons.)



He is a graduate engineer with one year experience in designing the water supply, sewerage and drainage system for his IDP project in his course study. He has knowledge and experience in hydraulic and water supply network analysis as well as exposure in water intake and pipe laying design. He has very great passion in exploring to the new things because this is only the chance for him to get more knowledge to fulfill his life experiences. He is also an enthusiastic team player who is able to give some effective opinions to provide the best outcome for his project.

POSITION

ENGINEER

QUALIFICATION

- B.E. of Civil and Structural (Hons.), The National University of Malaysia, 2020

PROFESSIONAL MEMBERSHIP

Graduate Engineer, Board of Engineers Malaysia (BEM)

EXPERIENCE

Duration *05 October, 2020 - Present*

Employer *G&P Dams & Water Services Sdn Bhd*

Position *Engineer*

Projects Involved:

- Perkhidmatan Perunding Kejuruteraan untuk Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor
- Kerja- kerja Meningkatkan Sumber Air Mentah Bagi Loji Rawatan Air Gemas.

Duration *July 2019 - September 2019*

Employer *Zinpac Enterprise Sdn Bhd*

Position *Site Engineer (Intern)*

Projects Involved and the job scopes:

- Title, 'Menyaipkan baki kerja pembinaan Ilaj home' in Seputeh
- Led wet concrete testing (slump test) and cement strength testing

-
- Performed calculation of wet concrete required for Complete the Ilaj Home projects
 - Studying of construction drawing and various shop drawings. Example: Plumbing drawing, and IBS drawing.
 - Communicated with worker on site (crane operator & general worker)
 - Checking the claims of sub-contractor on site.

MOHD YAZID BIN ABU HANIPAH

KEY EXPERIENCE

Mr. Mohd Yazid started his career with BW Perunding Sdn Bhd in year 1990 as Site Technician after completing his study at Politeknik Ungku Omar, Ipoh. He then continued further study and gain his Diploma in Civil Engineering from Politeknik Sultan Salahuddin Abd Aziz Shah, Shah Alam. He attained his certification in Computer Aided Design Drafting (CADD) from ACEM and followed by AutoCAD Civil 3D conducted by Autodesk.



He worked for GHD Perunding Sdn Bhd as design drafter in 2007 before joining G&P Professionals Sdn Bhd in year 2010. He has over 30 years of experiences in consulting environment and has extensive exposure particularly in Civil and Water infrastructure works e.g. detailed designs of raw/treated water pumping main, water treatment plants, wastewater treatment plants, storage tanks and etc. He is also involved in other study projects, doing mapping and preparing figure works.

As a Draughtsperson, he ensures good quality engineering drawings / works are produced in accordance with G&P standards or client's drafting requirements as well as to meet the given time schedule. He is able to multi task, work independently and committed.

POSITION

SENIOR DRAUGHTSPERSON

ROLE

- To carry out detail drafting, technical design and basic technical task requiring accuracy in calculations, completeness of data and adherence to prescribed drafting methods.
- To prepare draft engineering designs and specifications for projects using standardized methods and prepare segments of the design work for projects assigned to and supervised by Associate Civil Engineers.

QUALIFICATION

- Dip. in Civil Engineering, Politeknik Sultan Salahuddin Abdul Aziz Shah, Shah Alam , 2011
- Cert. in Civil Engineering, Politeknik Ungku Omar, Ipoh, 1988

EXPERIENCE

Duration *Jan 2013 - Present*

Employer *G&P Dams & Water Services Sdn Bhd*

Position *Senior Draughtsperson*

Projects Involved:

- Alternative Incoming Water Supply System for Emerald Hills Development
- Remedial Work on Water Leakage Issue at Sunway Lagoon Basement Parking
- Perkhidmatan Perundingan bagi Kajian Kemungkinan Rekabentuk Pembangunan Sumber Air di Sungai Pontian Besar dan Pembinaan Baraj Sungai Pulau, Johor
- Sungai Pontian Besar Integrated River Basin Management (IRBM) Plan
- Sungai Marang Integrated River Basin Management (IRBM) Plan
- Penyediaan Pelan Pengurusan Lembangan Sungai Bersepadu (IRBM) Sungai Besut, Terengganu
- Perkhidmatan Perunding Kejuruteraan untuk Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor
- Condition Assessment on Surge Suppression System of SSP3 Bukit Badong Water Treatment Plant
- Inspection of Balancing Reservoir at Sg Semenyih WTP
- Dam Safety Review of Semenyih Dam 2018.
- Engineering Consultancy Services for Water Supply Demand and Distribution Study for Jelebu, Jempol, Kuala Pilah & Tampin, Negeri Sembilan.
- Engineering Consultancy Services for the Proposed Sg. Rengit/Pengerang Distribution Improvement, Sg. Sayong Sludge Treatment Facility and Rehabilitation of Bukit Tempayan Reservoir, Johor.
- NGC Raw Water Source Works (Sg Langat and Sg Labu Intakes, Pump Stations and Piping System for Raw Water and Effluent Discharge).
- Feasibility Study and Detailed Engineering Design for "Menaik Taraf Sistem Bekalan Air Lahad Datu".
- Feasibility Study for "The Proposed Development of Betong Raw Water Source, Bahagian Betong, Sarawak".
- The Proposed Miri Water Supply Source Development Phase 2, Miri Division.
- Kerja-Kerja Meningkatkan Sumber Air Mentah Bagi Loji Rawatan Air Gemas.
- Engineering Consultancy Services For "Water Supply Demand And Distribution Study For Negeri Sembilan".
- Rancangan Bekalan Air Daerah Larut Matang, Selama & Kerian 'Conceptual Study Untuk Sludge Dewatering Facility' Bagi Loji Rawatan Air Gunung Semanggol.
- Detailed Design, Tender Preparation and Construction Supervision for NGC Raw Water Source Works (Relocation of Sg Langat Intake, Pump Station, and Associated Raw Water Pipe).

- Engineering Consultancy Services for Water Supply Demand and Distribution Study for Jelebu, Jempol, Kuala Pilah & Tampin, Negeri Sembilan.
- Development of Batu Dam Operating Rules Curve (ORC).
- Dam Safety Review of Semenyih Dam 2018.
- Inspection of Balancing Reservoir at Sg Semenyih WTP.

Duration **July 2010 - Dec 2012**

Employer **G&P Professional Sdn Bhd**

Position **Hydraulics/Water Draughtsperson**

Projects Involved:

- Hulu Terengganu Hidro-Electric Dam Project.
- Traffic Impact Assessment for Proposed Residential Development on Lot 30351, Mukim Setapak, Wilayah Persekutuan Kuala Lumpur.
- Traffic Impact Assessment for Proposed "The Matte" Service Apartment Development at Lot 358, 360 & 361, Jalan Talalla, Kuala Lumpur.
- Traffic Study for the Proposed Paroi-Senawang-KLIA Highway.

Duration **Nov 2007 - June 2010**

Employer **GHD Perunding Sdn Bhd**

Position **Design Drafter**

Projects Involved:

- Mardi to Mangrove Link Project - Structural, Water Piping and Mechanical Ventilation Design, Newcastle, NSW Australia.
- Pre-Feasibility & Feasibility Study of Baleh HEP Dam, Sarawak.
- Mandurah Lakes Road, DN1400 Pipeline and Tank Site Work, Western Australia.
- Mudgee Sewerage Augmentation, NSW Australia. Detail Design for The New Waste Water Treatment Plant.
- Detail Design for Relocation of TSE Reservoir and Potable Water Pump Station for Al Raha Gardens, Abu Dhabi.
- Karratha No. 1 Wastewater Treatment Plant Process Improvement, Western Australia.
- Transfer System for Orange City Council, NSW Australia - Design of New Pumping Station and Pipeline.
- Stormwater Management Facilities Sg. Petani, Kedah.
- Analysis & Reporting - Technical Report Preparation for Perak Groundwater Study.

Duration **Dec 1990 - Oct 2007**

Employer **BW Perunding Sdn Bhd**

Position **Site Supervisor cum Draughtsperson**

Projects Involved (Drafting):

- Bina/Pasang Loji/Kolam Takungan dan Paip Utama Kulim, Kedah Darul Aman.
- Padang Terap Water Supply Scheme.
- Bulk Transfer of Treated Water from Semenyih Balancing Reservoir to Sg. Langat Distribution System.
- Bina/Pasang Loji/Kolam Takungan dan Paip Utama Daerah Kerian, Perak Darul Ridzuan.
- Bekalan Air Bandar Baharu - Membina dan Menyiapkan Muka Sauk, Loji Pembersihan Air Berkapasiti 25MLD dan Kerja-kerja Berkaitan di Lubok Buntar, Kedah Darul Aman.
- Projek Meningkatkan Kapasiti dan Keupayaan Bekalan Air Wilayah Persekutuan Labuan - Kerja-kerja Membaikpulih Telaga Tiub sedia ada, Termasuk Penggantian Paip Air Mentah, Pengubahsuaian Loji Rawatan Air Jalan kolam.
- Pembinaan Loji Beaufort Fasa II dan Pemasangan Paip Dasar Laut dari Loji ke Labuan.
- Cadangan Pemasangan Paip di Jalan Baru JKR iaitu Jalan Slim - Proton City - Persimpangan Bertingkat PLUS di Behrang, Perak.
- TTDI Jaya Shah Alam Flood Mitigation - Proposed Pump Sump and Operator Room.
- Consultancy Services for Detailed Engineering Design And Construction Supervision of Asset Rehabilitation And Upgrading Programme For Syabas.
- Pulau Tuba and Pulau Dayang Bunting Water Supply.
- Projek Bekalan Air Setiu Peringkat 2 - Pembinaan Tangki Penyedut dan Rumah Pam, Tangki-tangki Simpanan, Paip-paip Graviti dan Mengepam.
- Pembinaan Skim Bekalan Air Arau Fasa II - Membina dan Menyiapkan Loji Pembersihan Air Arau Fasa IV Berkapasiti 123 MLD serta Kerja-kerja Berkaitan, Meliputi Kerja-kerja M&E.
- Projek Bekalan Air ke Puncak Gunung Raya, Langkawi.
- Education Improvement Project Under World Bank Loan, Upgrading of Existing Polytechnics for Politeknik Sultan Ahmad Shah, Kuantan Pahang.
- Bekalan Air Kuala Rompin (Persisiran Pantai) - Membina dan Menyiapkan Sebuah Loji Air dan Kerja-kerja Berkaitan di Sepayang, Rompin.

Projects Involved (Site Supervision):

- Permanent Water Supply to Tanjung Bin Coal Fired Power Plant, Johor Darul Ta'zim (DN500mm Dia. Submarine Water Pipeline accros Sg. Pontian - 800m length).
- Bina/Pasang Loji/Kolam Takungan dan Paip Utama Daerah Kerian, Perak Darul Ridzuan.
- Pipe Replacement Programme for Kluang District, Johor Darul Ta'zim.
- Leakage Control and NRW works for Kota Tinggi and Segamat, Johor Darul Ta'zim.
- Johor Bahru NRW Control project, Johor Darul Ta'zim.

Key Personnel

Ir. JAMAIATUL LAILAH BINTI MOHD JAIS

KEY EXPERIENCE

Ir. Jamaiatul Lailah is a qualified Professional Engineer with Practicing Certificate in Chemical Engineering with over 15 years of working experience in the water and wastewater industry. From 2002 to 2015, while holding the positions of Engineer in a sewerage system specialist company, Senior Executive in the National Water Services Commission (SPAN), and Manager in the National Sewerage Company, Indah Water Konsortium (IWK), she planned and designed wastewater treatment systems for new development and refurbishment projects in Peninsular Malaysia, Sabah and Sarawak.



As the Principal of JIL Engineering Consult, she has provided professional consultative services and undertaken projects. She serves in the Jawatankuasa Teknikal SPAN, and has been actively contributing to the engineering profession by being involved in the Technical Committees of The Institution of Engineers Malaysia (IEM), Industrial Advisory Panel for International Islamic University Malaysia (UIAM) and SEGi University, Panel Interviewer for Certified Sewage Treatment Plant Operator under Department of Environment, and contributing articles related to water and wastewater services and management.

POSITION

SEWERAGE SPECIALIST

QUALIFICATION

- Master Science in Civil Engineering, Universiti Teknologi Mara
- Bachelor of Engineering (Hons) (Chemical), Universiti Putra Malaysia, 2002

PROFESSIONAL MEMBERSHIP

- Corporate Member, Institute of Engineers Malaysia (IEM)
- Registered Professional Engineer, Board of Engineer Malaysia (BEM)
- Associate Asean Engineer, AFEO

EXPERIENCE

Duration *July 2015 - Present*
Employer *JIL Engineering Consult*
Position *Principal*

Job Descriptions:

- Planning and design works for sewage, sullage and river water treatment plants.
- Technical audit for national projects encompassing sewerage and wastewater treatment.

- Management of water resources and operation and maintenance of sewerage facilities.
- Hazard and operability (HAZOP) studies for sewage treatment plants.

Duration **Dec 2013 - June 2015**

Employer **Indah Water Konsortium Sdn Bhd (IWK)**

Position **Manager, Engineering and Design Unit**

Job Descriptions:

- Planned, designed and implemented sewerage works and project management.
- Provided engineering and design solutions for sewerage systems, process and technological assessment.
- Developed process requirements, standards and specifications and conducted HAZOP studies.

Duration **Sept 2009 - Nov 2013**

Employer **Suruhanjaya Perkhidmatan Air Negara (SPAN)**

Position **Senior Executive, Standard Technical and Compliance Division**

Job Descriptions:

- Established policies and regulatory framework for Water Services Industry, developed technical documents, evaluated and monitored new technologies, compliance, regulation of certifying agency, service licensee and other stakeholders, collaboration and consultation with various stakeholders of the water and wastewater industry.

Duration **May 2005 - Aug 2009**

Employer **Indah Water Konsortium Sdn Bhd (IWK)**

Position **Engineer, Planning and Engineering Department**

Job Descriptions:

- Designed sewerage systems and established technical documents, conducted performance assessment and standardization of sewerage works and facilities.

Duration **May 2002 - Oct 2004**

Employer **PJBumi Berhad (formerly PJS Services Sdn Bhd)**

Position **Technical Executive**

Job Descriptions:

Planned, designed and installation of sewerage systems for projects in Peninsular Malaysia, Sabah and Sarawak. Site inspection and evaluation of STPs in Wilayah Persekutuan, Selangor, Kedah, Johore and Sarawak.

The Water Specialist



Dato Ir. Dr. Gue See Sew

Ir. Dr. Gue See Sew is a renowned Geotechnical Engineer in Malaysia and South East Asia. He has contributed greatly to the technical advancement and quality control of Engineering Profession in Malaysia. He has 39 years of working experience, with major expertise in geotechnical design, failure investigations and remedial proposals, expert witness and arbitrator/adjustor.



Ir. Chong Sun Fatt

Ir. Chong has 42 years working experiences. He served in the Department of Irrigation and Drainage (DID) from 1978 to 2003. He was involved in numerous projects on hydrology, water resources, irrigation and drainage. His area of specialization is in hydrology and water resources analysis. He is presently involved in the National Water Resources Study handling the hydrological study for the whole country.



Ir. Beh Hong Lin

Ir. Beh has over 40 years of experience in the planning, design, implementation and contract administration of large-scale water supply schemes throughout Malaysia. He has specific skills in the design of Dissolved Air Flotation (DAF) treatment process and the upgrading/rehabilitation of existing treatment plants. Some of his recent involvements are:-

- Asset Management, GIS & Network Modelling for Sibuloh Water Board, Sarawak.
- Pump station relocation for Al Raha Garden, Abu Dhabi. Project Director for design of reservoir and pump station relocation to ensure safety and ease of operation.
- Infra Structure Design of 50 Mld Groundwater Treatment Works for Sime Darby. Project Director for conceptual design of WTP, pipe network system and associated infra works.

Ir. Kho has 28 years of working experiences with water supply management is his area of specialization. Some of his involvements in water supply works are:-

- Head of Non-Revenue Water Unit (NRW) at LAKU Management, Miri, Sarawak. Task include leak auditing and detection, mapping of existing water pipeline, and short and long term planning for reduction of NRW.
- Executive Engineer in the Engineering and Planning Division at LAKU Management. Set up and took charge of the Engineering and Planning Department. Tasks included planning for major developments of water supply projects in Miri and Limbang. Design of water pipeline extension, preparation of tender and contract documents, project management, supervision and contract administration.



Ir. Kho Lip Khiong



Ir. Liew Shaw Shong

Ir. Liew has 28 years of experiences specialized in instrumentation, foundation for structures, retaining structure design, basement construction, soil and rock slopes stabilisation, earthwork compaction, reclamation, soft ground engineering geotechnical forensic investigation. Some of his involvement on dam included Rock Slope Stability Assessment at Powerhouse Tailrace of Bakun Dam, stability assessment on dam stability on Putrajaya Dam, and Geotechnical Design review on Dam Foundation, structure, and diversion tunnel for Sungai Selangor Dam.

Ir. Lim has more than 28 years of experiences. He started his career as civil engineer at SMHB in 1994, involved in the design of water treatment plant and hydraulic analysis. He was appointed as section head by Loh & Loh Sdn Bhd in year 2000, leading the construction team in the construction of RASA water treatment plant. His area of specialization is hydraulic and water resources modelling.



Ir. Lim Sin Poh



Ir. Ho Kien Siong

Ir. Ho Kien Siong has over 22 years of experience in planning, design, implementation and contract administration of large scale water supply schemes throughout Malaysia and oversea. He has specific skills in the design of all treatment systems in water and waste water treatment plants, such as hydraulic system, treatment system, chemical system, aeration system, sludge disposal system, mechanical system, good handling system and other associated systems.



Ir. Teoh Tian Leng

Ir. Teoh Tian Leng has over 20 years of experience in spearheading high value project management and quality leadership in energy management, renewable energy, water/wastewater, M&E engineering as well as engineering, procurement, constructions and commissioning projects. Known as an excellent communicator in interacting with clients, stakeholders and team members alike.



Ir. Jamaiatul Lailah

Ir. Jamaiatul Lailah has over 17 years of working experience in the water and wastewater industry. From 2002 to 2015, while holding the positions of Engineer in a sewerage system specialist company, Senior Executive in the National Water Services Commission (SPAN), and Manager in the National Sewerage Company, Indah Water Konsortium (IWK), she planned and designed wastewater treatment systems for new development and refurbishment projects in Peninsular Malaysia, Sabah and Sarawak.

Project Experiences

Proposed Sg. Rengit/Pengerang Distribution Improvement, Sg. Sayong Sludge Treatment Facility and Rehabilitation of Bukit Tempayan Reservoir, Batu Pahat.



Package 1 - Construction And Completion of 2 ML Bukit Tempayan Reservoir And Associated Works



Package 2: Construction And Completion of Sg. Sayong Sludge Treatment Facility And Associated Works



Package 3: Construction and Completion of Distribution Improvement Works at Sg Rengit/ Pengerang and Associated Works





Projek Perintis Penggunaan Kaedah Penapisan Tebing Sungai (River Bank Filtration) di Loji Kota Lama Kiri, Kuala Kangsar



Sg. Labu & Sg. Langat Intakes, Pump Stations, Piping System for Raw Water and Effluent Discharge and Associated Works



Kerja-kerja Meningkatkan Sumber Air Mentah Di Loji Rawatan Air Gemas





**Conceptual Study Untuk Sludge
Dewatering Facility Bagi Logi Rawatan
Air Gunung Semanggol Rancangan
Bekalan Air Daerah Larut Matang,
Selama dan Kerian**

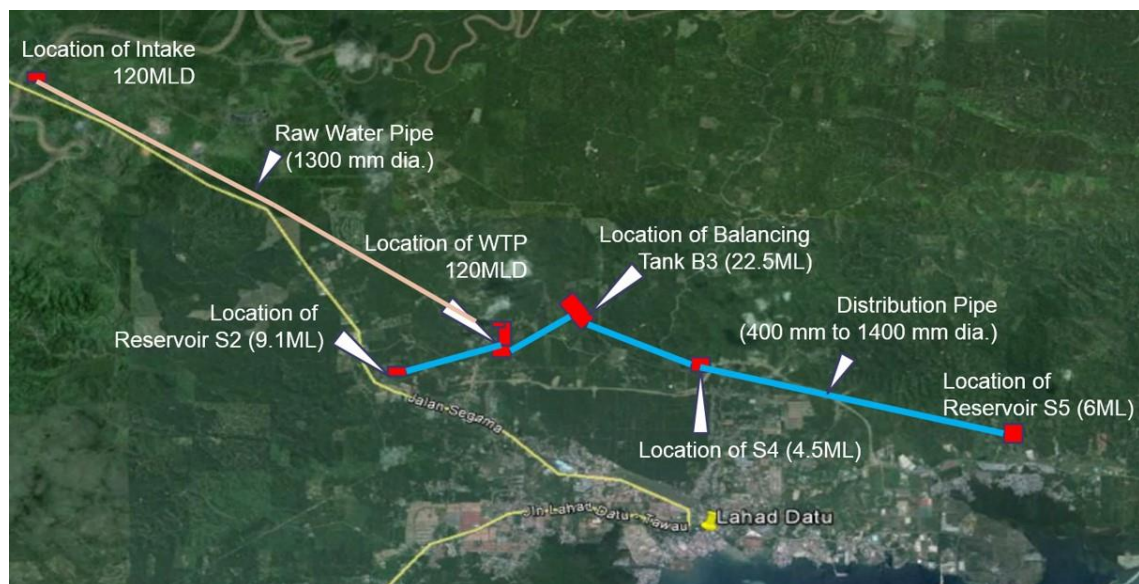


**Water Supply Demand and Distribution
Study for Negeri Sembilan**

Detailed Design of Intake, Raw Water Pumps, Pumping Main for Miri Water Supply and Source Development, Sarawak



Detailed Design for Lahad Datu Water Supply Development, Sabah



Water Treatment Plant and Distribution System Projects

Some of the previous water treatment plant and distribution system projects (Including personal experience of the Principals) are:-

- Alternative Incoming Water Supply System for Emerald Hills Development
- Cadangan Menambahbaik Sistem Agihan di Pagoh, Muar, Johor
- Study for Upgrading Works At Sg Labu & Sg Langat Intake
- Water Supply Demand And Distribution Study For Negeri Sembilan (SAINS)
- Inspection Of Balancing Reservoir At Sg. Semenyih WTP
- Sungai Selangor Water Supply Scheme Phase 3 Condition Assessment On Surge Suppression System Of SSP 3 Bukit Badong Water Treatment Plant
- Conceptual Study Untuk Sludge Dewatering Facility Bagi Loji Rawatan Air Gunung Semanggol - Rancangan Bekalan Air Daerah Matang, Selama & Kerian
- Hydrology, Hydraulic, Water Quality and Thermal Plume Assessment for LUAS and EIA Submission for GS Paper
- Detailed Design, Tender Preparation and Construction Supervision for NGC Raw Water Source Works (Relocation of Sg Langat Intake, Pump Station, And Associated Raw Water Pipe)
- Proposed Bintulu Water Treatment Plant Extension
- Engineering Design for Bekalan Air untuk Cadangan Pembangunan Bercampur Gerbang Nusajaya
- Proposed Groundwater Well Construction, Development and Supply at BERJAYA CITY Industrial Zone (Lot 25), Mukim Sungai Tinggi, Daerah Hulu Selangor, Selangor Darul Ehsan
- Detailed Design, Tender Preparation And Construction Supervision For NGC Raw Water Source Works (Sg Labu & Sg Langat Intakes, Pump Stations, And Piping System For Raw Water And Effluent Discharge)
- Feasibility Study and Detailed Engineering Design for Menaiktaraf Sistem Bekalan Air Lahad Datu
- Projek Perintis Penggunaan Kaedah Penapisan Tebing Sungai (River Bank Filtration) Bagi Loji Rawatan Air Kota Lama Kiri, Kuala Kangsar, Perak
- Projek Pemasangan Paip Air Mentah dan Aerator Bagi Loji Rawatan Air Kota Lama Kiri, Kuala Kangsar, Perak
- Proposed Bertam DAF Phase 2 Water Treatment Plant, Durian Tunggal, Melaka
- Review of Tianchang WTP Process Improvement Report

-
- Investigation, Survey, Design, Tender Documentation and Construction Supervision of the Miri Water Supply Source Development in Miri, Sarawak
 - Proposed Sg. Rengit/Pengerang Distribution Improvement, Sg. Sayong Sludge Treatment Facility and Rehabilitation of Bukit Tempayan Reservoir, Batu Pahat, Johor Darul Takzim
 - Projek Bekalan Air Luar Bandar (BALB) di Negeri Sarawak Tahun 2010 - 2012
 - Feasibility Study for the Proposed Development of Betong Raw Water Source, Bahagian Betong, Sarawak
 - Feasibility Study for the Proposed Raw Water Source Development and Raw Water Transfer System for the Board's Batu Kitang Water Treatment Plant Complex
 - Design of Sungai Selangor Water Supply Scheme Phase 1
 - Design of Bintulu Water Supply Phase 3
 - Design of New Bertam DAF water treatment plant
 - Design of Hilir Perak Water Supply Scheme
 - Design of Sg Muda Water Supply Scheme Ph 4A
 - Design of 32 MGD Greater Kuantan Water Supply Project
 - Laying of 500 mm diameter HDPE submarine treated water pipe about 500 m long across Sg Kuantan river mouth
 - Perak Groundwater Infra structure design
 - Design of 1.0 MGD groundwater scheme for Wangsa Maju, KL
 - Tawau Water Supply Scheme Stage 2
 - Miri and Limbang Water Supply Masterplan Study
 - Ensuring the production, distribution and revenue collection of treated drinking water in Miri town
 - Leak auditing and detection, mapping of existing water pipeline, and short and long term planning for reduction of NRW
 - Design of raw water main for 100 MLD Bintulu WTP phase 3
 - Design of raw and treated water main of various diameters for 106 MLD Hilir Perak water supply project
 - Water distribution network study for Kluang, Johor
 - Design of raw and treated water main of various diameters for 54.6 MLD Sg Lebam water supply project
 - Design of 1500 mm diameter raw water main for 145 MLD Semambu WTP, Kuantan
 - Design of 450 mm diameter submarine pipeline across Sg Kuantan
 - Geotechnical forensic report on the pipe bridge failure at Pulau Indah

-
- Maritime engineering consultancy services for Proposed New Steel Pipe Pile Fabrication Factory and Loading/Unloading Jetty at Lumut Perak
 - Full Geotechnical Consultancy Service for Tank Foundation Design for KVDT Tank Conversion Project at PS Pipeline, Dengkil, Puchong, Selangor
 - Geotechnical investigation and remedial works for gas pipeline at Salak Tinggi, Selangor
 - Investigation into Monsoon Drain Failure over PGB Gas Pipeline, Tg. Langsat, Pasir Gudang, Johor
 - Geotechnical Assessment of Petronas Gas Bhd's Metering Station Area at MTBE Metering Station, Gebeng, Pahang
 - Independent geotechnical review on the temporary retaining wall and support system for the excavation of an approximately 6m to 9m deep trench for the laying of large diameter pipes as part of the works for the construction of the Panglima Power Station
 - Geotechnical interpretative reporting on the use of horizontal directional drilling method for underground pipe laying of the construction and commissioning of the Lebuhraya Damansara Puchong Crossing - Maico, Petaling Jaya
 - Geotechnical review of the method statement of pipe jacking work under Lebuhraya Damansara Puchong
 - Jack In Spun Piles Alternative Design for Commercial Development at SS6/3 in Petaling Jaya
 - Jack-in Pile Alternative Design for 24 Storey Apartment at Mukim Petaling (SOHO)
 - Alternative Geotechnical Design using Jack-in Spun Piles for highrise commercial development at Section 13, Petaling Jaya
 - Alternative Geotechnical Design using Jack-in Spun Piles for fire brigade headquarters in Putrajaya
 - Study of Water Supply Scheme for Iskandar Development Region, Johor Bahru
 - Langat II Distribution System (Western Corridor)
 - Pagoh Water Treatment Plant and Distribution Works, Johor
 - Ganchong Water Treatment Works and Distribution System in Pekan, Pahang
 - Semangar Water Treatment Plant and Distribution Works, Johor

Dam and Water Resources Projects

Some of the previous dam engineering and water resources projects (Including personal experience of the Principals) are:-

- Kajian Kemungkinan Rekabentuk Pembangunan Sumber Air di Sungai Pontian Besar dan Pembinaan Baraj Sungai Pulai, Johor
- Feasibility Study for Cambodia Raw Water Source Works
- Kerja-Kerja Meningkatkan Sumber Air Mentah Di Logi Rawatan Air Gemas, Negeri Sembilan
- Kajian Dan Pengambilan Tanah Bagi Skim Bekalan Air Lembangan Sg Linggi (Bunded Storage), Negeri Sembilan
- Dam Safety Review of Semenyih Dam 2018
- Similajau Dam Conceptual Report Preparation for M&E Services
- Design & Build Project for Full Refurbishment Works at Pedu Dam, Muda Agricultural Development Authority (MADA), Kedah
- Tailing Dam Engineering for Tawau Gold Mine
- Identification of future water supply catchments, maintenance and operation of hydrological department, coordination and implementation of Miri Water Supply 3rd Expansion Project
- Geotechnical Design review on Dam Foundation of Sungai Selangor Dam
- Rock Slope Stability Assessment at Powerhouse Tailrace of Bakun Dam
- Monitoring of Putrajaya Dam
- Review and Analysis of Probable Maximum Precipitation for Babagon Dam, Sabah
- Dam Break Analysis and The Socio-Economic and Environmental Impact Study for The Kenyir Power Station
- Development of Emergency Action Plans for Perak River Hydro Scheme
- Water Resources Study for the Northern Region of Peninsular Malaysia
- Sg Perak Integrated River Basin Management (IRBM) Study
- Review of The National Water Resources Study and Formulation of National Water Resources Policy (Hydrology, Irrigation and Water Resources Modelling)
- Site investigation and survey works for MURUM Hydroelectricity Power Project (HEP).
- Electro watt – SMHBJV for preliminary study for MURUM HEP

Sewerage Projects

- Bi Act SDO System (Hybrid System) for STP in Taman Damansara Aliff, Johor Bharu, Johor (50,800PE & 75,000PE).
- Hybrid System of Attached Growth and Suspended Growth System with tertiary treatment to achieve Class IIB standard for STP in Forest City, Johor Bharu, Johor - Phase 1 (9,800PE).
- Extended Aeration System with tertiary treatment to achieve Class IIB standard for STP in Forest City Johor Bharu, Johor (2,000PE).
- Sequencing Batch Reactors System for STP in Pengerang Johor (100,000PE).
- Extended Aeration System for STPs in Bandar Dato' Onn, Johor (46,250PE), Batu Pahat, Johor (17,600PE), Pulau Pangkor, Perak (30,000PE).
- Sequencing Batch Reactors System with Membrane Bioreactor (17,813PE) Wastewater Management Solution with the Integration of Wetland Design Concept in Forest City, Johor.
- Wastewater Treatment System for Wet Markets located in Selayang Town Council (Rotating Biological Disc System - 150 m³/day) under River of Life program.

AKTA PENDAFTARAN JURUTERA 1967
PERATURAN-PERATURAN PENDAFTARAN JURUTERA 1990
(*PERATURAN 35*)



No. Perakuan : **2011-1000-00000-BC-1152**

LEMBAGA JURUTERA MALAYSIA

PERAKUAN PENDAFTARAN SEBAGAI AMALAN JURUTERA PERUNDING

INI ADALAH UNTUK MEMPERAKUI BAHAWA

Nama : **Perbadanan Korporat**
G&P DAMS & WATER SERVICES SDN. BHD.

Alamat : **23-5 JALAN TASIK SELATAN3**
BANDAR TASIK SELATAN
57000 KUALA LUMPUR
W. PERSEKUTUAN (K.L)
MALAYSIA

Cawangan Kejuruteraan: **** CIVIL ****

yang telah mematuhi kehendak-kehendak Akta Pendaftaran Jurutera 1967 dan telah membayar fee pendaftaran didaftarkan sebagai suatu AMALAN JURUTERA PERUNDING dalam cawangan kejuruteraan yang dinyatakan di atas tertakluk kepada syarat-syarat yang dinyatakan di bawah.

Syarat-syarat:

Perakuan pendaftaran ini akan habis tempoh pada **31 Disember 2020**



(YBHG. DATO Ir. HAJI MOHAMAD ZULKEFLY
BIN SULAIMAN)
Yang Dipertua

(Ir. Dr. MEGAT ZUHAIRY BIN MEGAT TAJUDDIN)
Pendaftar

Certificate of Approval

This is to certify that the Management System of:

G&P Dams & Water Services Sdn. Bhd.
(875291-T)

23-5 Jalan Tasik Selatan 3, Bandar Tasik Selatan, 57000 Kuala Lumpur, Malaysia

has been approved by LRQA to the following standards:

ISO 9001:2015



Basem Obaid - Area Operations Manager

Issued By: Lloyd's Register of Shipping (M) Bhd

Current Issue Date: 8 February 2018
Expiry Date: 16 March 2021
Certificate Identity Number: 10055188

Original Approvals:
ISO 9001 – 17 March 2015

Approval Number(s): ISO 9001 – 0048471

The scope of this approval is applicable to:

Provision of engineering consultancy services including feasibility studies, design and project supervision of dam and water supply.



MS ISO/IEC 17021:2011
QS 12022007 CB 06

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for and on behalf of: Lloyd's Register Quality Assurance Limited

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G&P DAMS & WATER SERVICES SDN BHD (875291T)

**23-5, JALAN TASIK SELATAN 3,
BANDAR TASIK SELATAN,
57000 KUALA LUMPUR.**

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