



## **CURRICULUM VITAE**

### **PERSONAL DATA**

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Date of Birth : 15<sup>th</sup> August 1979

### **ACADEMIC QUALIFICATION**

1997-2001 : University Technology of Malaysia; Bachelor of Civil Engineering (Hons)  
(PETRONAS Scholarship)

### **PROFESIONAL MEMBERSHIP**

Graduate Member (B.E.M.) & (I.E.M.)

### **COURSES ATTENDED**

NIOSH – Oil & Gas Safety Passport (OG0011833N) & CIDB course

### **COMPUTER SKILLS**

Microsoft Project, AutoCAD, MS Office, MS Excel

### **LANGUAGE PROFICIENCY**

English & Bahasa Malaysia; Excellent Spoken and Written, Arabic: Intermediate

## PROFESSIONAL EXPERIENCE

**Jan 14 ~ Present**

**PETRONAS CARIGALI IRAQ HOLDING B.V.**

|                  |  |
|------------------|--|
| Position         | : Project Execution / Project Engineer / Manager   |
| Department       | : Technical Services Department (TSD) &<br>Operations Readiness, Strategy & Assurance (ORSA) |
| Project Title    | : Garraf Development and Production Service Contract (DPSC)                                  |
| Project Duration | : More than 10 years   |
| Project Status   | : On progress  |

### Project Brief

- **Garraf Development and Production Service Contract (DPSC) was signed on 18th January 2010 by South Oil Company of the Republic of Iraq (SOC) of one part and PETRONAS Carigali Sdn Bhd (PCSB), Japan Petroleum Exploration Company (JAPEx) and North Oil Company (NOC) of the second part for the Garraf Contract Area which was subsequently made effective on 10th February 2010.**
- **There are two major milestones for Garraf development, i.e. First Commercial Production (FCP) and Plateau Production Target (PPT). The FCP production is to deliver the production target capacity of 35,000 BOPD for 90 days after first oil and 60,000 BOPD for remaining of 2013 before progressively increase production to reach Plateau Production Target (PPT) of 230,000 BOPD, by 2017.**

### Responsibilities

- ✓ Manage to design and issue out tender package for infrastructure works; project design such as roadworks, buildings and infraworks
- ✓ To monitor and observed the Construction and Fabrication activities ensuring contractors are performing well as per plan and schedule. Highpoint to Construction manager when found delay in progress and other problem observed with issuing site notification to Contractor. Report and create recommendation that will enhance the project efficiency and to reduce potential problem at the same time enforced the Contractor to expedite with the work.
- ✓ Preparing input for monthly report issued by Head of Department / Head of Project
- ✓ To ensure the Contractor executes the project in full compliance with its term and condition of contract, project specific procedure and specification.
- ✓ Review, coordinate and monitor Contractor planning and scheduling. Monitor actual project progress achieve against planned with controlling variance.
- ✓ Comprehend design principles and philosophy for clarification towards contractor(s) (via RFI's, Site Instructions) and client
- ✓ Communication back to engineering office (abroad)
- ✓ Organizing and chairing technical meetings with the contractor(s)
- ✓ Managing process of material approvals, shop drawings and method statements
- ✓ Perform own inspections, punch list and defect list.
- ✓ Support Head of Department / Head of Project on commercial issues such as variation orders, re-measurement and payment certification

**Nov 11 ~ Jan 14**

**PETRONAS CHEMICALS FERTILIZER SDN BHD**

|                  |  |
|------------------|--|
| Position         | : Construction Engineer / Senior Civil Structural Engineer |
| Project Title    | : SAMUR – Sabah Ammonia & Urea                             |
| Project Duration | : 2 1/2 years  |
| Project Value    | : USD 1.5 Billion  |
| Project Status   | : Completed  |

**Project Brief**

**As an Alliance team in the BEPCC work included basic design, engineering, procurement, installation, testing, pre-commissioning, commissioning and performance test of the SAMUR located in Sabah Malaysia, consisting of site preparation, landscaping, security services, civil works, temporary facilities, inland transportation and process buildings as well as development of a Jetty and bagging plant.**

**Responsibilities**

- ✓ Manage and coordinate with multi discipline design engineering as well as construction team.
- ✓ To monitor and observed the Construction and Fabrication activities ensuring contractors are performing well as per plan and schedule. Highpoint to Construction manager when found delay in progress and other problem observed with issuing site notification to Contractor. Report and create recommendation that will enhance the project efficiency and to reduce potential problem at the same time enforced the Contractor to expedite with the work.
- ✓ To ensure the Contractor executes the project in full compliance with its term and condition of contract, project specific procedure and specification.
- ✓ Review, coordinate and monitor Contractor planning and scheduling. Monitor actual project progress achieve against planned with controlling variance.
- ✓ Involve in design review and assessment in 5 packages:
  - Site Study
  - Environment Impact Assessments
  - Basic & Detail Engineering, Procurement, Construction and Commissioning (BEPCC) Alliance
  - Non-Process Facilities
  - Gas Pipeline & Metering Facilities
- ✓ Manage and handle Site Preparation works
- ✓ Lead team for construction of Temporary Facilities (Camp and Site Office)
- ✓ Tackle and solve local authorities issues
- ✓ Review and advise on design by Contractor
  - Civil Foundation
  - Civil Infrastructure
  - Civil Structure
  - Pipeline

**Jan 10 ~ Nov 11**

**Ranhill E & C**

Position : Senior Civil Structure Engineer (Tender Proposal Team)  
Project Title : TENDER & PROPOSAL TEAM

### **Project Brief**

- 1) **Sabah Oil and Gas Terminal (SOGT) MALAYSIA**
- 2) **Fuel Storage & Off Loading Facility Ummu Qassar Port, IRAQ**
- 3) **Waste Water for Cannal Sugar Factory SUDAN**
- 4) **Gas Processing Facility, MEHAR Gas Field Development Project Onshore PAKISTAN**
- 5) **Baghabari Power Plant BANGLADESH**
- 6) **Construction of 2 tanks Bintulu MALAYSIA**
- 7) **Kimanis 300MW CCPP Project MALAYSIA**
- 8) **Bio-Xcell Development MALAYSIA**

### **Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Basic design of Civil Structural work.
- ✓ Design more on pipe support, structural frame, pipe rack, footing & foundation, infra works (sewerage & drainage system) and other civil structural scope.
- ✓ Design & Planning of temporary base camp for all workers and staff.
- ✓ Material take-off of civil structure items.
- ✓ Work as Senior Civil Structural Engineer with Engineering Tender Team.
- ✓ Planning and scheduling of work activities for all tender.
- ✓ Responsible for all tender unit rates (Malaysia and overseas) of Civil Structure item.
- ✓ Site visit to all tender projects and liase with Client on project briefing and details including discussion and etc.

**Jan 09 ~ Jan 10**

**Ranhill International Incorporation (RII)**

|                  |  |
|------------------|--|
| Position         | : Manager / Team Leader / Civil Structural Engineer        |
| Project Title    | : MELUT BASIN OIL DEVELOPMENT PROJECT<br>(PHASE II), Sudan |
| Client           | : Petrodar Operating Company Ltd (PDOC)                    |
| Project Duration | : 1 1/2 years  |
| Project Value    | : USD 149 million  |
| Project Status   | : Completed  |

**Project Brief**

**The EPC work included design, engineering, procurement, installation, testing, pre-commissioning, commissioning and performance test of the Field Production Facility (FPF) located in Palouge, consisting of crude oil processing equipment, production separators, booster pumps, custody transfer meter system, nitrogen generator system, knockout drum & water seal drum, cold vent, launchers and receivers as well as produced water system; the Central Processing Facility (CPF) at Al-Jabalyn for the final treatment of the oil for export and 250km of produced water 12” pipeline between Palouge and Al-Jabalyn.**

**Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Basic design of Civil Structural work. Design more on pipe support, structural frame, pipe rack, footing & foundation, infra works (sewerage & drainage system) and other civil structural scope.
- ✓ Work scope more on Engineering, Procurement, and Commissioning work at site.
- ✓ Work as civil structural engineer with Engineering Team.
- ✓ Hot Tapping work supervision and completion at plant.
- ✓ Planning and scheduling of work activities.
- ✓ Involved in issues such as Electrical, mechanical, piping and civil structural work.
- ✓ Responsible for all meeting with client and subcontractors.
- ✓ Solved the site problem with Technical team and engineers.
- ✓ Solved all drawing issue with technical team.
- ✓ Review of piping stress isometric for support and loading requirement (liaise with mechanical / piping discipline)
- ✓ Well versed with AWS codes and standards.
- ✓ Site draft and amend the revised drawing as per site condition.
- ✓ Prepared daily, weekly and monthly report to Project Manager.
- ✓ Checking design and drawing for submission to client.
- ✓ Coordinates between technical and site issue with Engineers and supervisor.
- ✓ Arranging procurement and logistic status.
- ✓ Solving all Site Technical Query (STQ) for contractor not to delay the work.
- ✓ Manage and solved on how to change / added / modification the existing structural frame to make it more stronger or new requirement from client or additional scope.
- ✓ Checking and report on equipment status arrived at site.
- ✓ Pre-commissioning & commissioning equipment of plant.

**July 08 ~ Jan 09**

**WCT-CEBARCO JV**

|                  |                               |
|------------------|-------------------------------|
| Position         | : Civil & Structural Engineer |
| Project Title    | : Abu Dhabi F1 Circuit        |
| Client           | : ALDAR Properties PJSC       |
| Project Duration | : 2 years                     |
| Project Value    | : RM 2 billion                |
| Project Status   | : Completed                   |

### **Project Brief**

**A build-only contract from ALDAR Properties PJSC ("Aldar") for the construction, completion and remedying of defects for the Formula 1 Circuit, in Abu Dhabi, the United Arab Emirates ("UAE"). The Project will be situated on the southern side of Yas Island located in the Emirate of Abu Dhabi.**

### **Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Basic design of Civil & Structural work.
- ✓ Managed to do the starting to finishing work at site.
- ✓ Involved in architectural work for all buildings.
- ✓ Planning and scheduling of work activities.
- ✓ Involved in erection of civil & structural works at site.
- ✓ Responsible for all meeting with client and subcontractors.
- ✓ Solved the site problem with Technical team and engineers.
- ✓ Solved all drawing issue with technical team.
- ✓ Checking site requirement and demand from consultant.
- ✓ Well versed with BS codes and standards.
- ✓ Involved and checking overall work of civil & structural..
- ✓ To conduct test and inspection of civil & structural work at site.
- ✓ Prepared daily, weekly and monthly report to Project Manager.
- ✓ Checking design and drawing for submission to client.
- ✓ Coordinates between technical and site issue with Engineers and supervisor.
- ✓ Make revision for some of the drawing whatever required.

**Feb 08 ~ July 08**

**WCT-ARABTEC JV**

|                  |                                |
|------------------|--------------------------------|
| Position         | : Steel Structural Coordinator |
| Project Title    | : MEYDAN RACECOURSE DUBAI      |
| Client           | : MEYDAN                       |
| Project Duration | : 2 years                      |
| Project Value    | : RM 4.6 billion               |
| Project Status   | : Completed                    |

### **Project Brief**

**Involves the construction and completion of the main building works, external works and infrastructure works in relation to the proposed development and construction of the Nad Al Sheba Racecourse on Parcel ID 600-6888, Nad Al Sheba, Dubai, U.A.E**

### **Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Basic design of steel structure.
- ✓ Managed to do the erection of structural work at site.
- ✓ Planning and scheduling of work activities.
- ✓ Involved in erection of steel structural works at site.
- ✓ Responsible for all meeting with client and subcontractors.
- ✓ Solved the site problem with Technical team and engineers.
- ✓ Solved all drawing issue with technical team.
- ✓ Checking welding works and defects at site.
- ✓ Well versed with AWS codes and standards.
- ✓ Involved and checking fabrication of steel work at site.
- ✓ To conduct test and inspection of steel work at site.
- ✓ Prepared daily, weekly and monthly report to Project Manager.
- ✓ Checking design and drawing for submission to client.
- ✓ Coordinates between technical and site issue with Engineers and supervisor.

**Oct 04 ~ Feb 08**

## **RANHILL PETRONEEDS JV**

|                  |   |
|------------------|---|
| Position         | : Construction Manager / Civil & Structural Engineer /<br>Freelance Maintenance |
| Project Title    | : MELUT BASIN OIL DEVELOPMENT PROJECT SUDAN                                     |
| Client           | : PETRODAR Operating Company  |
| Project Duration | : 3 years   |
| Project Value    | : USD 239.4million  |
| Project Status   | : Completed   |

### **Project Brief**

**The EPCC work included design, engineering, procurement, installation, testing, pre-commissioning, commissioning and performance test of the Field Production Facility (FPF) located in Palouge, consisting of crude oil processing equipment, storage tanks, production separators, booster pumps, launchers and receivers as well as produced water system; the Central Processing Facility (CPF) at Al-Jabalyn for the final treatment of the oil for export and 250km of produced water 12” pipeline between Palouge and Al-Jabalyn.**

### **Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Basic design of foundation, pad footing, concrete and steel structural on site as per design changes.
- ✓ Basic design of rectification works and steel structural works.
- ✓ Planning and scheduling all activities at site.
- ✓ Responsible for all steel structure works etc. i.e.; Piling, Piping, Civil and Infra, Concreting, External and Internal Package buildings, Installation of all plant static and rotating equipment / machinery.
- ✓ Skid and pipe racks / steel structure; Review and complement all Lifting Plans, Work Permits, Identification of equipment offloading locations / lay down areas.
- ✓ Responsible in managing all Project and Contract Services, Scope, Quality, Reporting, Schedule, Risk Analysis, Cost control, Manpower/Equipment/Tools/Consumables Loading, Procurement and Local Authority Clearance in order to ensure smooth completion of various projects.
- ✓ To conduct welder testing (WQT), test piece visual inspection and welding test bays preparation.
- ✓ Surveillance and Ensuring the Correct Filler/Electrodes are utilized as per WPS on welding activities.
- ✓ Control of fabrication and weld defects for repair works.
- ✓ Piping Material request as per drawing and work order.
- ✓ Ensuring all concreting works for tank foundation, buildings, ground foundation and concreting work in plant followed the specification and standards.
- ✓ Prepare Daily Progress Report on fabrication and erection of piping and steel structures.
- ✓ Assisted architect for finishing work at all building at site and plant.
- ✓ Responsible for all infra works at site such as roadwork, drainages, sewerage line and landscapes.
- ✓ Managed to complete building for camp such as high rises building, hospital, mosque, sport complex, staff accommodation, fire station, administration building, warehouses and workshop.
- ✓ Assist and conduct water & sewerage treatment plant system with vendor at site.
- ✓ Well versed with American Concrete Institutes (ACI), AISC and BS codes standards.
- ✓ Summarized project implementation delay factors and propose solutions.



**Apr 03 ~ Oct 04**

**RANHILL CONSULTING SDN BHD**

|                  |  |
|------------------|--|
| Position         | : Civil & Design Engineer                |
| Project Title    | : SENAI DESARU EXPRESSWAY JOHOR MALAYSIA |
| Client           | : Jabatan Kerja Raya Malaysia (JKR)      |
| Project Duration | : 2 years                                |
| Project Value    | : RM1.4 billion                          |
| Project Status   | : Completed                              |

**Project Brief**

**Proposed dual-carriageway expressway starting from MSSC Interchange and end at Penawar Interchange with the total of length of 77km. The proposed expressway was divided into 4 packages including 5 interchanges, 1 at-grade intersection & 4 toll plazas.**

**Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Responsible for Hydrological & Hydraulic analysis of drainage and culvert at Senai-Desaru Interchanges and Mainline.
- ✓ Basic design of bridges for 3 packages.
- ✓ Basic design of steel structural and civil works such as footing and foundation.
- ✓ Planning and scheduling all activities in the office.
- ✓ Involved in the basic design, tender drawings preparation and tender bid evaluation.
- ✓ Preparation of tender documentation for the reservoir, coordinated engineering drawing, tender documentations inclusive of bills of quantities and review Quantity Survey Reports.
- ✓ Liaison with the relevant authorities for their approval in the implementation of the project.
- ✓ Site reconnaissance and investigation.
- ✓ Familiar with BS 8110 and BS 5950 standard and requirements needed.
- ✓ Handled requests for drawing services based on sketched input drawings and modifications for physical drawings.
- ✓ Managed and coordinated personnel and operational activities involved in all phases of construction projects.

**June 02 ~ April 03**

**RANHILL CONSULTING SDN BHD**

Position : Civil Engineer  
Project Title : TRAFFIC DISPERSAL SCHEME FOR KL SENTRAL  
Client : Dewan Bandaraya Kuala Lumpur  
Project Duration : 2 years  
Project Status : Completed

### **Project Brief**

**Propose a new road / highway to avoid critical traffic in KL Sentral Area.**

#### **Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Produce preliminary and detailed engineering design drawings and calculations for Traffic Dispersal Scheme for Tun Sambanthan Road and its vicinity for the development of Kuala Lumpur Sentral.
- ✓ Prepare report such as inception report, site visit reports and monthly progress report.
- ✓ Performed design of concrete buildings.
- ✓ Skilled in manual drafting, as well as AutoCAD.
- ✓ Submitted shop drawings for the architects' approval.
- ✓ Assist engineering design team in site development for utilities, storms, detention, paving, lakes, drainage studies, grading, and roads.
- ✓ Coordinated with construction firms involved in building structure.

**Dec 01 ~ June 02**

**RANHILL CONSULTING SDN BHD**

Position : Engineer  
Project Title : KTMB's Electrical High Speed Double Track, Malaysia  
Client : Jabatan Kerja Raya (JKR)  
Project Duration : 4 years  
Project Status : Completed

### **Project Brief**

**Design, construction & supervision of double-tracking a 110 kilometers section of railway line from Rawang to Bidor, including eight new stations and a freight depot**

#### **Responsibilities**

- ✓ Manage and coordinate multi discipline design engineering team.
- ✓ Produce preliminary and detailed engineering design drawings and calculations for Traffic Dispersal Scheme for Tun Sambanthan Road and its vicinity for the development of Kuala Lumpur Sentral.
- ✓ Designed reinforced concrete processes for slabs and beams.
- ✓ Developed and designed new layouts and construction plans.
- ✓ Experienced in site development, drainage, and utilities design.

## **CAREER ASPIRATION**

- a) To be well versed in the Detail Engineering Design of Civil Structural Works in the Company
- b) To have a long term career with established Company
- c) To earn beneficial and continuous technical knowledge enhancement and exposure to project implementation works in the detail design engineering, fabrication works, Erection works and project management within project requirements, specification and standards to the expectation and satisfaction of my employer and client.
- d) To be versatile in job responsibilities and job scope assigned.

## **PERSONAL REFERENCES**

### **OGP PETRONAS TECHNICAL SERVICES**

|                         |   |
|-------------------------|---|
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### **RANHILL BERSEKUTU S/B**

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