



**IR. MOHAMAD RAHIMI BIN MOHAMED RODZI**

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اونيورسيتي مليسيا قهغ السلطان عبد الله  
**UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH**

### Academic Qualification

1. Master of Engineering (Power System), Universiti Malaya, 2017
2. Bachelor of Electrical Engineering (Hons.), Universiti Malaysia Pahang, 2014
3. Diploma of Electrical Engineering (Electronic Industry), Universiti Malaysia Pahang, 2014

### Brief Profile

Ir. Mohamad Rahimi bin Mohamed Rodzi holds a Master of Engineering (Power System) from University Malaya and has built a distinguished career in electrical and control engineering. He worked with MMC Oil and Gas, Ranhill Worley, and Bromma as Technical Lead Engineer (Electrical) in the Research and Development (R&D) department, working with multiple R&D teams across Sweden, Singapore, and Malaysia, where he played a pivotal role in the design, optimization, and technical execution of engineering projects in the oil and gas and port harbor crane spreader industries. He has collaborated with major oil and gas clients including PETRONAS, Shell, Repsol (formerly Talisman), MURPHY, and North Oil Company, as well as key ports client such as CTSP Petersburg, Russia, Virginia Port of Authority, Port of Jeddah, Safiport Turkey, Port of Felixstowe, UK, and Montreal Gateway, Canada. His career also includes extensive involvement in EPCC for nearly 20++ oil rigs, over 100++ visited oil platforms in Peninsular Malaysia and Sarawak, and more than 300++ quay and yard crane spreaders across continents, including Europe, Middle East, US, and Southeast Asia. Currently, he continues to lead in TVET education and training at University Malaysia Pahang Al-Sultan Abdullah with the ultimate aim of exposing students to the real engineering and technical world.

### Professional Qualification / Membership / Affiliation / Certification

1. Professional Engineer (P124046), Board of Engineer Malaysia.
2. Graduate Technologist (GT22110153) with Malaysian Board of Technologies.
3. Certified Trainer for Omron Collaborative Robot (COBOT) and PLC Networking and Communication
4. Competent EPLAN Electric P8 and EPLAN Pro Panel Us.
5. Experience Engineers in Oil & Gas and Port Projects

### Area of Interests / Expert

1. Electrical Network and Monitoring System
2. Integrated Control System
3. Electrical Design and Installation
4. PLC and Pneumatic System
5. Power System Study

### Project Consultancy

1. Murphy Sarawak Oil Co., Ltd (MURPHY) Development Project for East Cluster, Sapih and Tiram Platform.
2. PETRONAS Carigali Sdn. Bhd. Provision Detailed Engineering Design Services of Sump And Drain Modification For SKO Pipeline Replacement And Facilities Rejuvenation Project.
3. PETRONAS Carigali Sdn. Bhd. Provision Of Engineering, Procurement, Installation And Commissioning (EPIC) For Hydrogen Recovery Unit.

4. PETRONAS Carigali Sdn. Bhd. JV Serawak Shell Berhad Engineering, Procurement, Construction, Installation & Commissioning (EPCIC) of Wellhead Platforms (WHP).
5. Talisman Energy Inc. Provision of Detailed Engineering Services Relating to Maintenance, Operations, Upgrade and Modification Works (Installation of New Instrument Air Compressor)
6. Design and Build of Quay Crane & Yard Crane Spreaders:
  - Liber Container Crane – Turkmenbashi, Turkmenistan
  - Konecrane – CTSP Petersburg, Russia
  - Konecrane – Virginia, United State of America
  - GPA – Georgia Port of Authority
  - Cargotec Shanghai – Shanghai International Port
  - Yidong ZPMC
  - Laem Chabang Port Thailand
  - Konecrane – Virginia Port of Authority
  - ICAVE – Mexico HPH
  - Cargotec Shanghai – Shanghai International Port Zhendong
  - Liber Container Crane – Port of America
  - ZPMC – Safiport Turkey
  - Port of Jeddah – Saudi Arabia
  - Port of Felixstowe – United Kingdom
  - Port of America – United State of America
  - Marsa Maroc Port d'Agadir – Morocco Bayport
  - America Montreal Gateway Terminal - Canada
7. Gallaf, Block 5 Al Shaheen Field Development Engineering, Procurement, Installation & Commissioning (EPIC) of 2 New Wellhead Platforms (WHP). Client is North Oil Company, Qatar
8. Research and Development Projects for Overall R&D Roadmap
  - Hydraulic Optimization – Optimizing power consumption for Hydraulic Crane Spreaders.
  - European Certification – Reassessment of Product Towards International Standard E.g. IEC, EN, UL, CSA.
  - Spreader Monitoring System, IoT Solution for Crane Spreader Industry
  - Hawkeye, a vision system for Crane Spreader Industry
  - Full Electrical Quay Crane Spreader – New Development for Fully Electric Ship-to-shore Quay Crane Spreaders (Codename: TESLA).