



Ir. AZRIL HISHAM BIN ABU HASSAN

🏠 Cristal Serin Residence, Cyberjaya ☎ +6017 8995828 ✉ azrilbenjamin@gmail.com
CEO | Chartered Engineer, Engineering Council UK | Professional Engineer BEM

SUMMARY OF PROFESSIONAL EXPERIENCES

A Chartered Engineer (Engineering Council UK) and Professional Engineer (Malaysia Board of Engineers) and a visionary leader driving technology advancement in a conglomerate.

With extensive experience across oil & gas, manufacturing, and consulting. Starting in Aberdeen, Scotland, I spent 12 years at Shell in various roles, including Lead Electrical Engineer. Since joining PETRONAS in 2017, I held few key positions, notably as Head of Technical Intelligence, spearheading technology management and deployment across Upstream and Downstream operations.

Specializing in startup initiatives, business transformation, expansion, and joint ventures, Mr. Azril's industry experience spans the North Sea, Gas Plants, Nuclear Power Plants in Aberdeen, manufacturing plants in Shanghai, China, and LNG Plants in Egypt. His strategic insights and vast knowledge drive innovation within the conglomerate, positioning it for continued growth and success.

ACADEMIC & PROFESSIONAL ATTAINMENT

- **Professional Engineer**, Board of Engineers Malaysia, PE Number : PE 17294
- **Chartered Engineer**, Engineering Council, UK License Number: 604717
- **Certified Tripod Practitioner**-Incident Investigation, Energy Institute, UK - 2011
- **Certificate**, Shell Open University, Upstream Operational Excellence 2010
- **B. Eng (Hons) Electrical Power** , MARA University of Technology, - 2001
- **Diploma in Electrical Engineering**, MARA University of Technology - 1998

EMPLOYMENT & PORTFOLIO

BOUSTEAD TECHNOLOGY

Jan 2022 – Present

➤ Chief Executive Officer (CEO)

A wholly owned by Boustead Holding Berhad. Spearhead newly formed technology company and pushing Technology Agenda for the company and whole Group Holding Berhad in realizing Reinventing Boustead. Positioning the Group Holding company into a new Era / Business stream of Step Out, Reinvention, Growth and Strengthen the core injecting Technology. Set up the company from inception. Identified talents, business plan and DNA for the company.

Responsible to identify and push forward new business venture & stream that creates value creations and new revenue to the company and Group Holding Berhad with area of business interest in Decarbonization, IoT Solutions (AI & Blockchain). Responsible in rebranding the company and go to market. Manage day to day business operations.

Identified as Boustead Group Top 25 Talents. Sitting in Boustead CEOs Council. Co-Chair / Sponsor for DigiTech Council.

PETRONAS Group Technical Solutions

May 2018 – Dec 2021

➤ Head - Technical Intelligence

May 2020 – Dec 2021

Spearhead a newly formed section in Group Technical Solutions (GTS). Led into Operationalization of the Section into the eco-system. Successfully operationalized in couple of months. In 6 months, brought realized VC of USD70mil.

Management of Matured Technology eco-system(end-to-end) within Operational Excellence spectrum. Drive PETRONAS portfolio Technology Agenda as new revenue stream.

Provide leadership role in strategize, appraise, formulate and steer game-changing type of innovation and breakthrough technology for technical solutions inclusion by identifying, screening, selecting and deploying fit for purpose concepts which are technically feasible and economically attractive while upholding the technical integrity, safety, field life cycle cost and local regulations in order to increase assets value, operational excellence and grow PETRONAS's domestic and international business portfolio.

Account Manager for Upstream (Local and International). Single point responsible person between GTS and Upstream businesses. Orchestrating an integrated GTS technical services & solutions to Upstream businesses.

Head & drive PETRONAS Drone Centre initiation and operationalization. A PETRONAS Drone Control Tower concept with Digital Platform based in managing local authorities (CAAM, JUPEM, MCMC, PDRM) and Drone eco-system management across PETRONAS.

Appointed PETRONAS Business Champion and Mentor for FutureTech 2.0 (PETRONAS, SIME Darby & TM). Start-up companies and talented entrepreneurs worldwide pitch for Technology Accelerator Program. Role as jury, mentoring guidance, and identify playground opportunities.

Coverage area:

All PETRONAS assets in Upstream, Downstream and Gas & New Energy

➤ Head Improvement & Solutions

May 2018 – April 2020

A special role, project report to Head (SGM) of GTS. A focal person between Asset Management, Engineering and Capability department in orchestrating and providing input on technical & technology solutions to Assets.

Managing stakeholder on entire value chain – Downstream (Petrochemical, Refinery and Gas Business), Upstream & LNG businesses in providing integrated solutions in the area of Asset Management (Operation & Maintenance). Dimension covers Malaysia & International Assets.

Group wide reporting and providing integrated solutions / programs on OPEX Cost Optimization, Upstream Unplanned Deferment (UPD), and Downstream OEE.

PETRONAS management technical committee representative in a Joint Ventures company. Act as Chief Technical Officer. Provide steer and advice in deploying the technology solutions project on Assets Life Cycle using BIM Technology up to 7D.

Coverage area:

All PETRONAS assets in Upstream, Downstream and Gas & New Energy

APO-IS Sdn. Bhd



Apr 2016 – May 2018

Chief Operating Officer (COO) — *Set up Joint Ventures Company DALONG (M) Sdn. Bhd.*

Brought into the company to expand existing business and exploring new business ventures.

Successfully formed two new business units (Consulting and Engineering) and transformed company with new directions.

Put the company into new Joint-Ventures (JV) with China GLC's Company toward developing local packaging centre of Reciprocal Compressor for South East Asia. Planned resources (Manpower, Equipment and Facility).

Led & drive the company in getting PETRONAS Upstream (GTS & Group Procurement) approval on the concept of BOT and First Local Assembling Plant for Reciprocal Compressor.

Managed overall JV company operations started and build-up the new plant facility. Stakeholder management between both entities of JV companies. Setting up and implementing company's business process flow & operation, company structure, people and staff management as such coordinating with HR and identified to recruit best talents, facility and asset management, facility design and layout, budget holder for asset (machine, equipment, transports, tools). Establishing company policy that promote company culture and vision. Setting up and driving business goals and coordinates with Engineering and Operation Heads on company business and projects direction and delivery.

Key member of senior management and sitting as Board of Director for Malaysia's representative.

Det Norske Veritas (DNV) GL (www.dnvgl.com)



Jan 2016 - April 2016

Head of Operational Excellence

Asset Risk and Integrity Management (ARIM)

Headed and developed team of multidiscipline engineers and expertise (Electrical, Mechanical Rotating, Mechanical Static and Instrument) towards development and providing Operational Excellence Services to client. Developed Operational Excellence portfolio into a broader scope and support to client organization within Malaysia and wider SE Asia region.

Services includes - Maintenance Excellence (Asset Verification, SCE Identification, and Performance Standard & Maintenance Plan), Equipment Integrity Assessment, Safeguard SCEs, and Electrical Incident Investigation.

Successfully brought in two contracts (downstream) within 4 months.

SHELL Upstream International (www.shell.com)

Aug 2010- Dec 2015

➤ **Lead Engineer - Electrical**

Aug 2014 – Dec 2015

Enhanced Oil Recovery Centre - JV between Shell Upstream and PETRONAS Carigali Malaysia.

Shell Project - SF 30 and PETRONAS Carigali project- BARAM

Lead Electrical discipline towards completion of Pre-FEED , FEED and Detail Design.

Single point responsible person for discipline activities and deliverables for the project including liaise with the respective engineering services group (fabrication, installation and HUC), and assist the Head (Facilities) and Project Engineer in organizing the respective design reviews.

Participated and organized SAFOP.

➤ **Section Lead, Electrical – Sarawak Assets**

Aug 2010 – June 2014

Accountable for overall Sarawak Assets Electrical Integrity and Operational Excellence. Central Maintenance Services. Technical Authority Role. Safeguard Electrical Safety Critical Equipment (SCE) Electrical Governance & Assurance

Set- up Sarawak & Sabah Shell Malaysia Protection Relays database / inventory system. Led & Conducted Electrical Incident Investigation

Contract Holder for Provision of Electrical Relay Testing and Maintenance Services for Sarawak & Sabah Shell Malaysia.

Managed stakeholder – PETRONAS in Asset Integrity Audit and Due Diligence Audit

Invited to PETRONAS facilities (Semarang and Erb-West) as External Auditor for SCE Verification Audit.

SHELL GtL Plant - Downstream (www.shell.com)

March 2004 - July 2010

➤ **GAME Project Lead - Electrical**

April 2009 - July 2010

Successfully delivered Downstream Gas-GAME Project.

Electrical lead for Maintenance Execution (ME) Gas-GAME Module.

Reviewed electrical asset register. Created main electrical equipment master list complete with Gas-GAME Class characteristic. Rejuvenated, created and prepared new Electrical Maintenance Strategies, Plan, General Task List and Equipment Task List for ME module. Build-up new Asset Hierarchy and Structure for all electrical equipment. Worked closely with SAP PM consultant to deliver Gas-GAME ME module into SAP PM P49. Engaged stakeholders as part of Change Management role.

Delivered SAP PM End-to End training to Engineering, and Operations staff after GAME commissioned / go live.

GAME: Global Asset Maintenance Excellence similar to Operational Excellence

➤ Electrical Field Engineer

March 2004 - March 2009

- Authorized Electrical Person (AEP) - Shell Standard
- Authorized Engineer (AE) – Shell Standard as per Plant Safety Regulation.

Electrical Field Lead for Plant Maintenance (PM & CM) Implemented Major Electrical Field Improvement Project Electrical Field Lead for Plant Major Turnaround / Shutdown Electrical Field Equipment trouble-shooting

Advised Head of Electrical on maintenance improvements for specific maintenance items.

Managing Electrical Maintenance Contracts (Contract Holder). Managing and supervised maintenance field team (staff) Managing and supervised maintenance field contractors

Emerson (formerly known as MasterPower Ltd), Scotland **Dec 2001 - Feb 2004** **Electrical Engineer**

Repaired, Calibrated and Tested client(s) electrical equipment (soft starters, UPS cards, power supply cards) and testing & measuring equipment tools.

Troubleshoot and commissioned soft starters, UPS cards, power supply cards, rectifier cards, inverter cards and battery chargers. Prepared after repair quotations for client. Prepared Service and Failure report for client.

Work Coverage:

North Sea Platform, Gas & Nuclear Plant within Scotland & England, inhouse testing facilities, in-house workshop

Corporate Social & Society Responsibility and Contribution **2014 - Present**

Industrial Advisor Panel (IAP) for

1. College of Engineering, Electrical - University Technology MARA (UiTM)

Advisor to the Faculty within Industrial Perspective.

Advisor to Faculty on policy towards excellence (industrial) management system and quality of academic. Promoting a good relationship within organization towards engineering professionalism.

Talks/engagement and experiences sharing for final year engineering students.