

FAKHRUL IZZUDDIN BIN DOLAH

ADDRESS : LOT 8098 JLN SANTONG, KG. BUKIT MERAH
23100 PAKA DUNGUN, TERENGGANU , MALAYSIA

D.O.B : 7 MAY 1986

STATUS : MARRIED **CITIZEN** : MALAYSIA

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EDUCATION & PROFESIONAL QUALIFICATION

2019- 2020 PETRONAS Group Technical Solution (GTS) , ASME Competency
Certified Bolted Flange Joint Integrity (BFJI) Internal Verifier (Lvl 3)
Certified BFJI Trainer / Assessor (Lvl 4)

2015 – 2017 PEARSON PLC UK, BTEC Vocational Qualification
Certified Internal Assessor (Lvl 3) & Internal Verifier (Lvl 4) for Oil & Gas

2009 – 2012 University of Liverpool, Bachelor Mechanical Engineering
Final Year Thesis: Structural Dynamic Analysis of Wind Turbine

2004 – 2007 Malaysia's Polytechnic, Diploma in Mechanical Engineering
First Class (Distinction with CGPA 3.54/4.00)

2007 – 2009 Professional English Language Test (IELTS: Band 6 / MUET: Band 3)

COMPUTING - MS Office packages , Design Software AutoCAD, StaadPro , NAVISWork

LANGUAGE - Well Speaking & Writing in Malay, English and moderate for Arab Language

PROFESIONAL EXPERIENCE

2021 – Now PETRONAS Senior Executive (SME Integrity Engineering)
PETRONAS Carigali, Upstream Malaysia Asset, Kuala Lumpur, Malaysia

2017 – 2020 PETRONAS Executive Instructor (Mechanical - Static)

2015 – 2017 PETRONAS Program Leader (PESITAS Certification Competency)
Institut Teknologi Petroleum PETRONAS, Batu Rakit, Malaysia

2012 – 2015 Field Engineer (Offshore Pipeline & Structure Facilities Installation)
Sapura Energy Berhad (TL Offshore), Seri Kembangan, Malaysia

2009 – 2012 FSN Agent (Community HSE Awareness)
Merseyside Fire & rescue, Liverpool, United Kingdom

2008 – 2009 Field Specialist (Well Testing – DST/TCP)
Schlumberger WTA (M) , Labuan, Malaysia

2007 – 2008 Mechanical Technician (Lead Mechanical Section)
Makarmas Tenaga Sdn Bhd, Terengganu, Malaysia

2006 – 2007 Mechanical Fitter
Petrochemical & Power Plant Service, Malaysia

2004 – 2005 Cable Jointer Assistant
Perniagaan Mujur Mekar Sdn Bhd, Malaysia

PROFESSIONAL DEVELOPMENT PROGRAM

| <u>DATE</u> | <u>AFFAIRS</u> |
|---------------------------------------------------|----------------------------------------------------------------------------|
| 9 th Jan - 31 st May 2006 | Internship at Sultan Ismail Power Plant,Paka, Terengganu, Malaysia |
| 27 th June & 27 th Dec 2007 | NIOSH for PETRONAS & TNB course, Kemaman , Malaysia |
| 6 th June 2008 | GTE Compressor Washing Skid System, Paka, Malaysia |
| 17 th - 19 th July 2008 | HUET & Opito Training, Miri, Malaysia |
| 17 th - 22 nd Nov 2008 | Com1 Schlumberger at ELC, Melun, France |
| 24 th Nov - 19 th Dec 2008 | Xpert TCP Schlumberger at ELC, Melun, France |
| 15 th Oct 2011 | FSN Induction Course, Liverpool, United Kingdom |
| 12 th Nov 2010 | FSN Drug & Alcohol Awareness Training, Liverpool, United Kingdom |
| 15 th Dec 2011 | FSN Competent Driving Test, Liverpool, United Kingdom |
| 13 rd October 2012 | BOSIET & TSBB Training, Pasir Gudang, Malaysia |
| 1 st Nov 2012 | ExxonMobil Loss Prevention System course, Kemaman, Malaysia |
| 21 st - 23 rd May 2013 | ExxonMobil Work Management System course, Kuala Lumpur, Malaysia |
| 21 st Nov 2013 | SKPB Project Insurance & Mobilization of MWB, Putrajaya, Malaysia |
| 28 th Nov 2013 | SKPB Course, Basic Welding for Engineer course, Putrajaya, Malaysia |
| 22 nd Jan 2014 | SKPB Course, Work Hazard Management, Seri Kembangan, Malaysia |
| 29 th Sept 2014 | Oceaneering Umbilicals and Subsea Hardware, Kuala Lumpur, Malaysia |
| 30 th Sep. 2014 | Microsoft Excel (Advance) course, Seri Kembangan, Malaysia |
| 7 th - 9 th Oct 2014 | CIDB Oil&Gas Green Card Competency Course, Seri Kembangan, Malaysia |
| 5 th - 6 th Nov 2014 | Technical Report Writing O&G Professionals,PLC Bangi, Malaysia |
| 7 th - 14 th Mar 2015 | Oil & Gas HSE Management System and Mandatory Control Framework |
| 20 th - 22 nd Oct 2015 | BTEC Effective Delivery and Quality Assurance course, Batu Rakit, Malaysia |
| 25 th - 27 th Oct 2015 | BTEC Assessor Level 3 training, Batu Rakit, Malaysia |
| 11 th -12 th Nov 2015 | Internal Audit MS ISO 9001:2008 Course, Batu Rakit, Malaysia |
| 23 rd - 24 th Nov 2015 | OPITO Assessment Package Development Workshop, Batu Rakit, Malaysia |
| 17 th - 19 th Jan 2016 | BTEC Verifier Level 4 training, Batu Rakit, Malaysia |
| 14 th Aug 2016 | INSTEP Integrity Module Course, Batu Rakit, Malaysia |
| 18 th Feb 2018 | Basic Welding Defect The Welding Institutes, Malaysia |

CORPORATE TRAINING

| | |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2016 - 2020 | Havard Manage Mentor Modules, United Kingdom 1) Persuade Others 2)Team Creation 3)Coaching For Action 4) Lead People 5) Stress Management |
| | Lean Six Sigma, Malaysia 1) Green Belt |

WORKING EXPERIENCE

2021 – Present

Senior Executive (SME Integrity Engineering)

PETRONAS Carigali , Upstream Malaysia Asset (www.petronas.com)



SME for Upstream Malaysia Asset providing technical assurance and engineering solution for Piping, Pipeline & Structure Integrity across the Malay Basin assets facilities – Oil, Gas platforms & Terminals. This including piping, pipeline system and its components, including mechanical valves and special items, in accordance with ASME B31, API codes, PTS and technical guidelines ensuring asset integrity and reliability by means of good engineering, maintenance practices within the unit maintenance cost budget, schedule and fully compliance with the company's HSE requirements.

- Develop, plan and endorsed the procedure, asset assessment, FAT, SAT, PAT inspection and post construction maintenance activities for the Asset via Topside Major Maintenance (TMM), Construction Work Request (CWR), Turnaround (TA), First Line Maintenance (FLM) and any study/assessment approaches to ensure the under the technical codes and guideline governance.
- Attend the CWR (Const. Work Request) and define the Risk Assessment for measure defect priority before preparing basic and detailed engineering packages for piping, pipeline system solution method through syndication with Operation and Inspection team
- Establish Maintenance System Database including (VRD – Valve Reliability Database, PSI - Piping System Index) in improves the standard governance of each piping components through all essential data process captured & written in Databank. With the data analytics (descriptive), piping integrity's issue pattern, trending and correlation can be establish using data driven solution to come out with quick solution and Piping Integrity Program (PIP).
- Technical Initiatives for uphold the integrity of Piping on Peninsular Malaysia Asset in the Facilities Improvement Project, FDP and ALES Assets Life Evaluation Study and ensure Audit Closure - MCF9, IOAIA, OSRMS, IAP in each project.
- Organize Knowledge Management through sharing training / workshop to inculcate and to share perspectives, ideas, experience, and information; to ensure that these are available in the right place at the right time to enable informed decisions; and to improve efficiency by reducing the need to rediscover knowledge.
- Perform the DDA Assessment to renew PSC Contract prior expired, attend the Site Technical Queries by Contractor for each asset strategic division by Oil, Gas and Terminal sector

Summary of Facilities:

- Oil Platform - Angsi , Tapis , Tiong , Puteri, Dulang , FPSO Puteri Dulang, Bunga Kertas
- Gas Platform - Ledang, W.Natuna, Duyong, Ledang , Tangga Barat, Resak, Bunga Raya
- Terminals – TCOT, TGAST, OSC ,OGT

2017 – 2020

Executive Learning Facilitator (Mechanical Static)
Institutes of Petroleum Technology PETRONAS (www.instep.my)



Support competency-based & technical development for PETRONAS's Engineer, Specialist, Operator, Technician by delivered Technical & Operational training courses (MECHANICAL Upstream & Downstream) at the INSTEP to meet with the job's operational, technical requirements in ensured that staff are ready for their further development at the sites.

- PTP - Petroleum Technology program for first entry trainees - BTEC , OPITO
- PDP - Professional Development program for Skillgroup (SKG) Mechanical Engineers & Non-Executive (NET)
- A&C - Assessment & Certification required in O&G industry in meeting the legislation by Authority Bodies of DOSH, DOE and Energy Commission

Summary of Technical Course Delivered :

- Develop & Deliver modules HE, PSV,Scaffolding for Ups. Operation Induction Program
- Developing OBE Documents of Static Subject for Advanced Diploma Program (MQA)
- Developing & documentation of Valve Maintenance Procedure (Manual & Actuated Valve)
- Deliver module Static Equipment 2, Diesel Engine & Lifting & Rigging for PTP-1
- Deliver Steam Boiler Driver course for Off-The Shelf program

2015 – 2017

PETRONAS Program Leader PESITAS
Institutes of Petroleum Technology PETRONAS (www.instep.my)



Perform a management roles in business strategic planning of Assessment & Certification's Programs for INSTEP - Institutes of Petroleum Technology PETRONAS (Technical and Training Institutes) for the following programs :

- Certification of I.C.E & Steam Boiler for PETRONAS Engineer/Driver (PESITAS)
 - ✓ ICE Driver Grade 2&1
 - ✓ ICE Engineer Grade 2&1
 - ✓ Steam Driver Grade 2&1
 - ✓ Steam Engineer Grade 2&1
- Program Technology Petroleum of Mechanical (PTP-1)
- Customization programs to suit BTEC or OPITO qualification and standardization

Summary of routine task associated :

- Conduct Quality Assurance & Quality Check for PESITAS Program
- Review or verify any new/amended assessment pack or verification standards to ensure the Program's Standards/Checklist used are updated
- Plan, implement and maintain in line managing BTEC and PESITAS program
- Drive quality improvement to customized and non-customized to enhance quality and/or delivery or cost effectiveness
- To conduct Standardization Meeting for Academy by present and reporting the output from Quality Management Meeting (IQAC)
- Plan for Engagement Meeting with Regulatory Body, Accreditation Body and Board of Management by Quarterly and Annual basis in maintaining the Program's Standard

**WORKING
EXPERIENCE
(CONT'D)**

2012 –2015

Offshore Installation Engineer

SapuraKencana Petroleum Berhad, Malaysia (www.sapurakencana.com)



Perform a project preparation work for Offshore Facilities Transportation & Installation project. Summary of routine task associated :

- Review of T&I scope of work, Client's AFC drawings & confirmed through Client Liaising technical meeting.
- Conduct site inspection to identify constraints, project obstruction and rigging method for proposed project.
- Develop installation procedure, load out coordination manual , Develop material take-off (MTO) from the input. Design installation aids required (spreader bar, pipeline pulling heads, tie-down transportation, riggings arrangements, etc).
- Develop anchors patterns for barge/vessel for offshore installation.
- Manage barge/vessel's deck - Develop lift plan, ROV/Dive plan, Action List for Construction Team and Review & verify subcontractor's DPR. Compile of close-out report, DPR, Pipe tally sheet, MOM & etc for as-built

2009 – 2012

FSN Agent

Merseyside Fire & Rescue Services, UK (www.merseyfire.gov.uk)



"An Excellent Authority"

Volunteering in Fire Support Network community project for Liverpool resident in the different opportunities which one suit with my spare time. Basically we are reducing the risk of fire , accident by providing safety equipment and deliver a message to alert the people either the risk from inside or outside of their house . Beside that we promoting Merseyside Fire & Rescue services in fostering people to leverage their facilities towards the neighbourhood security & wealth issue . In the past I've involved in Social Welfare & Support team and Safe At Home project based in FSN HQ at Bootle,Liverpool,United Kingdom.

2008 – 2009

Field Specialist TCP

Schlumberger WTA (M) Sdn Bhd, Malaysia (www.slb.com)



Certified as Worldwide Tubing Convey Perforation (TCP) Specialist, carry out the well perforation operation task for any Schlumberger client globally. Summary of routine task associated :

- Assigned based was in Asia / Malaysia / Labuan
- Perform well-perforating operation (Open/Cased hole)
- On job training in Malaysia Water and Oman field (Marmul)
- TCP Specialist Work Scope : preparation job from well recognition, identify the suitable gun, type of charges , determine the best firing gun ,rig-up the gun at the Gun and deploy the job

WORKING EXPERIENCE (CONT'D)

2007 – 2008

Mechanical Technician
MTSB Sdn Bhd, Malaysia (www.makarmas.com)



Lead Mechanical division for small branch in Paka

Project Assignment History

- DOSH Inspection Preparation Work (Gas Turbine, Boiler, Steam Turbine units)
- Pipeline Fabrication, Installation, Commissioning and Testing of GT Washing Skid Unit
- Developing a Corrective Maintenance Procedure for Power Plant Roller Shutter
- Tubing Cleaning of Waste Heat Boiler Unit & Boiler Tube (Air Pressure Blow-out)
- Fabrication of Excess platform for Grand Seal Header valve

2006 – 2007

Mechanical Fitter
Petrochemical & Power Plant Service, Malaysia



Perform an intermediate-level maintenance job for Gas Turbine Power Plant such as motor alignments, perform advanced equipment inspections/servicing, perform minor welding, make piping connections and troubleshoot small equipment. Afterall the task objective is to preparing the pressurized plant equipment for to be inspected by the Department of Safety and Health Malaysia, DOSH.

2004 – 2005

Cable Jointer Assistant

Perniagaan Mujur Mekar Sdn Bhd, Malaysia

Duties included the measurement for layout the cable by become an assistant to technician. Manage the labour worker for Replace 11KV Cable project. The post provided an exposure of basic works at the site and learnt how to work with a number of staffs and clients and how to make a good relationship with them.

REFERENCE

Mr. Adib Eddep Hakimi

+6013-903 5999 , (ahakimi@gsq.com.sg)

CEO Energis (former Field Service Manager, Schlumberger WTA(M), Rohas Kuala Lumpur

Mr. Mohd Badli Bin Mohd Ali

+6013-951 4421 , (mohdbadli.mohdali@exxonmobil.com)

KSB Shorebase Superintendent (PIC) for ExxonMobil, Kemaman Supply Based

Mr. Muhammad Afifi Che Rawi

+65 9656 0640 (muhammad.afifi@aqualisbraemar.com)

Senior Adjustor Aqualis Bremar, Singapore (former Snr Engineer, Sapura Energy Berhad)

Ts. Kamal Baharin Bin A Ghani

+6019-929 5625 (kbaharin.aghani@petronas.com.my)

Principal Engineer PETRONAS

Technical, Project Consultation History (2015 – 2023)

1. Assist mechanical team in providing technical consultancy for business proposal for SAMUR (NET Operation Multitask, ExxonMobil, ORPIC, OGC, Enquest, OMAN Gas, ORPIC and BFI – customer signed LOA and executed the technical capability development.
2. Certified as Professional Trainer by Malaysia Institutes of Management (MIM). Subsequently certified and recognized in delivering NET Upgrading and customised program related to Piping System, Valves & Safety Valves Maintenance and Repair.
3. Representative MA-Static in enhancement of NET Upgrading materials (Mechanical Trade). Achieved 100% alignment of training material against POSS Mechanical including new development and enhancement of training materials. Presented to TACTO members on 23 July 19 on the Project Revival initiative and status update.
4. Accomplished Pit-Stops for INSTEP UDT Plant as PSV Maintenance Engineer, supervised maintenance, testing and verified 69 units of Pressure Safety Valves for UDTP - UTILITY, CDU & HTU ahead the schedule which contributing to cost optimization of maintenance
5. Representative INSTEP as a Committee Members in Development of PETRONAS Technical Guideline BFJI that successfully roll-out on 1 February 2020. As a result contribute to OPU saving is RM 475 K per year due to we have internal competent JI personnel being trained using GTS module and internal capability trained the competency training instead of external sourcing. This significantly reduce the PETRONAS production loss by LOPC that greatly occurred since 2014.
6. Committee Members in SI&R development for TTS Bolted Flange Joint & Composite Repair that successfully roll out on June 2020. This is the first TTS for Static Discipline in PETRONAS to ensure field support of BFJI implementation at each OPU.
7. SME Piping Integrity for multi-cluster supporting the Valve Datasheet preparation, Turn Around Technical & Site Troubleshooting, Leading the RCFA, Technical SME in Incident Investigation and also perform the Mechanical Integrity Audit ahead of schedule. As a result, improves the technical issue at site and implementation of technical guideline, 100% Closures of overall AUDITs for Governance Compliances and provide assurance for PMA to operate as per Safe Operating Envelop.
8. Provide assistance to Principal for Piping Technical and Governance Assurance in resolving emerging issues, that lead to avoidance of Unplanned Production Deferment (UPD) = RM 205.7 Mil, Production gain = RM 55.84 and Cost Avoidance = RM 8.795 Mil
9. Led FFS Assessment for P1 finding on 30" SS Main Gas Line at Tangga Barat. Performed screening on the findings and only 6 out of 19 proceed for assessment hence able to completed in 1month. Conducted few discussion with GTAs and the piping able to be derated. Cost avoidance = RM 7.02 Mil for replacement and avoid 14days UPD = RM 45Mil
10. Steer application of Belzona Metal Putty for Non Standard Repair (NSR) on emerging findings Angle Valves at BeC, Leak at Ledang D3L tailpiece of compact manifold and Tiong V-130 Bridle. Conducted virtual training to offshore personnel for execution. Convinced GTAs on the application. UPD avoidance = RM 10.7 Mil due to 4days required for repair at BeC (135mmscf) and 7days replacement of tailpiece (8mmscf). All has been permanently rectified during Sept and Oct 2020 SD. Cost avoidance = RM 500k
11. Led on Valve Integrity Assurance that resulted in total 202 nos of valves being rectified (124 refub) register estimated UPD = RM 42Mil and Cost Avoidance RM 7.484 Mil (Has achieved Generative and Maturity stage - receptive by Operations)
12. Appointed as Adjourn Lecturer by University Malaysia Terengganu, UiTM Bukit BEsi & Universiti Malaysia Pahang to share an industrial topic. This has credit to PETRONAS as their Instructor are professionally acknowledge beside able to build a strong collaboration with accreditation institutes.
13. Provide Technical Support to two (2) collaboration technical program with UMP (Bachelor Program) & CIDB Pusat Latihan Bertaualiah, PLB as part of National Agenda of Industrial Revolution, IR 4.0

Offshore Project Work History (2012 – 2015)

Oct to Dec 2012



ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2012

16" Riser for FWS Line from Guntong-E to Telok-B field

- Successfully performs Pre-Commissioning for 28" X 26.5km Pipeline
- Barred-Tee Spool Tie In Installation

MW Barge: *DLB Enterprise 3*

Dec to Jan 2013



ExxonMobil – Tapis & Damar Pipeline Installation Programme YR2013

Project Preparatory Work at Johor Port, Pasir Gudang for 16"X 22km

Damar-A to Lawit-A Pipeline Installation Programme

- Perform Site visit and captured in DPR with pictorial progress
- To ensure all material registered in MTO/RO master list are delivered
- To confirm and verified all installation aids for project are completely fabricated and ready to be shipped out
- To trial fit copper tube and internal equipment sling
- To trial fit temporary flange protector to ensure no clashing with possible structure i.e. valve protection frame, valve handle during operation
- To ensure the fitting @ pulling heads are function
- To ensure official leak test conducted and method of statement form signed by all parties especially CLIENT representative
- To check the DMA and other slings wire length and MBL against RO required length
- Perform visual and document inspection for all slings and material certificate

Offshore Based : *Johor Port Warehouse*

Mar to April 2013



ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2013

Mobilization of DLB Enterprise 3 and performs the following projects :

- 18" TaC-TaQ Pipeline Sidewalk at Tapis-C
- 10" TaA-TaC Pipeline Sidewalk at Tapis-A
- 14" x 3.9km Tapis-Q to Tapis-D Pipelay , Lowering & Sidewalk (Bow lift) at Ta-D
- 800MT Huisman Crane Load Test
- 10" x 3.9km Tapis-Q to Tapis-D Pipelay , Lowering & Sidewalk (Bow lift) at Ta-D

MW Barge: *DLB Enterprise 3*

June to Oct 2014



ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2013

Lead Engineer for preparatory work at Tapis-A Platform, Tapis-C, Tapis-D, Tapis-E and Tapis-P for the following projects:

- Installation of 6",10",14",16" & 18" Risers
- Installation 4 units of 12" J-tubes
- Removal work for 4 unit of Platform Boatfenders

Vessel : *MPSV Bourbon Evolution 803, DPMSV Kruez Installer*

Mar to June 2014

ExxonMobil

Exploration and Production Malaysia Inc.

ExxonMobil – Tapis Pipelines Pre-Comm Campaign YR2014

Pigging & Hydrotest Operation from Permanent Launcher to Subsea receiver for :

- 18" Tapis-Q to Tapis-F pipeline
- 18" Tapis-Q to Guntong-E pipeline
- 12" Tapis-Q to Tapis-A pipeline
- 10" Tapis-Q to Tapis-P pipeline
- 16" Tapis-Q to Tapis-A pipeline
- 18" Tapis-Q to Tapis-C pipeline
- 10" Tapis-Q to Tapis-D pipeline
- 14" Tapis-Q to Tapis-E pipeline
- 14" Tapis-Q to Tapis-D pipeline
- 6" Tapis-Q to Tapis-D pipeline

MW Barge : *DPB SapuraKencana 900*

(concurrent)

ExxonMobil – Telok & Tapis EOR & Rejuvenation Campaign YR2014

Dummy Spool Removal and Spool Installation:

- 18" Guntong-E to Tapis-F dummy spool removal using diamond wire cutter (DWC) at 2 nos spool tie-in location
- 18" Tapis-Q to Guntong-E and 18" Tapis-Q to Tapis-F spools installation at tie-in location (1.7km from Tapis-Q)

MW Barge: *DPB SapuraKencana 900*

June to July 2014

ExxonMobil

Exploration and Production Malaysia Inc.

Telok & Tapis EOR & Rejuvenation YR2014 Campaign

Lead Engineer for preparatory work for Tapis Riser Guard Installation

Concurrent with Riser Guard Installation :

- Riser Guard at Tapis-C
- Riser Guard at Tapis-E
- Riser Guard at Tapis-D
- Riser Guard at Tapis-A

MW Barge: *DPB SapuraKencana 900*

Aug to Sept 2014

Murphy Oil Corporation – South Acis YR2014 Pipeline Installation

Mobilization of DLB SK 2000 and performs the following projects:

- 6" X 3.729km SA-PA to SA-SA Water Injection Pipeline Installation, Lowering and Sidewalk at SA-PA platform.
- 8" X 3.729km SA-PA to SA-SA MultiPhase Oil Pipeline Installation, Lowering and Sidewalk at SA-PA platform.
- 6" and 8" X 3.729km SA-PA to SA-SA Pipeline Flooding
- SA-SA 4 Legged Jacket Lift Installation 600MT

MW Barge: *DLB SapuraKencana 2000*

Offshore Project Work History (2012 – 2015) – cont'd

April to May 2015 **HESS Exploration and Production Malaysia B.V- North Malays Basin**



YR2015 Pipeline Installation Campaign

Mobilization of vessel and performs the Pre-Lay Survey for the following pipelines:

- 24" X 18.195km BRG-CPP to Energy-PLTS Gas Export Pipeline
- 12" X 5.120km BRG-C to BRG-CPP FWS Pipeline
- 12" X 8.670km BRG-D to BRG-CPP FWS Pipeline
- 16" X 20.596km B.Kesumba to BRG-CPP FWS Pipeline

Survey Vessel: *M.V Teknik Putra*

Well Downhole Operation Work History (2008-2009)

March to May 2009 **PETRONAS - Bokor Field Campaign (IPM Schlumberger).**

- Successfully perforated 2 Water Injector Wells on DD3

July 2008

Murphy Oil Corporation- Kikeh Field Campaign

- Successfully perforated 1 Water Injector Wells on Ocean Rover

Sept to Octr 2008

PDO in Marmul Field Campaign

- Successfully perforated 5 Onshore Wells at Kikeh, Maurid , Thuleilat, Amal & Marmul field.

Power Plant Project History (2007 – 2008)

- DOSH Inspection Preparation Work (Gas Turbine, Boiler, Steam Turbine)
- Pipeline Fabrication for Gas Turbine Washing Skid System
- Installation, Commissioning and Testing of Gas Turbine Washing Skid Unit
- Developing a Corrective Maintenance Plan (Roller Shutter)
- Manual Cleaning Line of Waste Heat Boiler Unit & Boiler Tube Cleaning (Air Pressure Blow-out)
- Supply and Install Exhaust Fan, Ducting and Awning
- Fabrication of Excess platform for Grand Seal Header valve
- Installation of Sliding Door for Steam Turbine Chlorination Pipe rack
- Fabrication & Installation of Oily Water separator Cleaning Bay & Related Trays
- Repair and maintenance works for Turbine Hydraulic Jack