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AFFINITY TEST SERVICES

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Welcome

Affinity Test Services SDN. BHD. is a Bumiputera company based in Miri, Sarawak and owned by Sarawakian who have been in oil and gas inspection industry for more than 10 years. Affinity Test Services Sdn Bhd (ATSSB) has been in this business industry since 2012 and has served numerous clients.

Our company's expertise is in providing various types of inspection services covering Conventional and Advanced Non Destructive Testing.

To take a step further, our company is embarking a new service that offers Laser Scanning and 3D Modelling services. This is to further strengthen our competitive advantages in this industry.

Our success in inspection deliverables was derived from our high level professionalism as service provider which strictly emphasizing in quality of the service, prompt delivery, technical excellence and professional commitment without compromising on the quality and integrity.

We at Affinity Test Services SDN. BHD. looks forward to working with you.

Thank you.



About Us

AFFINITY TEST SERVICES SDN. BHD. (ATSSB) established in 2012 and was previously known as NDT ADVANCE SDN. BHD.. The company provides conventional & advanced non-destructive testing services and consultations in accordance to international and national standards for quality and integrity assurance.



The company is owned and operated by individuals that have been involved in this industry for more than 10 years. Through years of experience and expertise, we have fostered trust as well as cost effective technique which form the core of our reliable services quality to all of our clients.

We have contributed numerous solutions to oil and gas industries, civil or advanced construction industries, plantation and agricultural, mining, powerplant or essentially, any organization within any industries which requires quality assurance and

integrity check via non-destructive test. Services provided covers from the initial fabrication phase to continuous quality and integrity monitoring phase, including the shutdown phase of any industries who seek for our expertise.

Moving toward 10 years of our service in this industry, ATSSB takes pride in all the services that we have provided. Our reliable services have empowered us to build a strong platform in providing the most efficient and cost effective solutions complemented with the latest technology and professional team to all our clients.

VISION

To become a globally recognized and preferred inspection service provider through providing excellent deliverables and assurance

MISSION

- To provide services and consultation as required by standard, equitable and with professional manner.*
- To develop constantly, upgrading and keeping our services up to date and also to acquaint ourselves with current technologies, tools and equipment.*

COMPANY INFORMATION

REGISTERED NAME:

AFFINITY TEST SERVICES SDN. BHD. (1004313-V)

COMPANY ADDRESS:

HQ - 1ST FLOOR, LOT 1866, MARINA SQUARE PHASE 2, MARINA PARK CITY, MIRI, SARAWAK

BINTULU BRANCH - 1ST & 2ND FLOOR, NO. 64, LOT 8516, IBRACO TOWN SQUARE, JALAN TUN AHMAD ZAIDI, 97000 BINTULU, SARAWAK

PAKA BRANCH - LOT PT 198, TINGKAT BAWAH, JALAN PUSAT NIAGA PAKA, 23100 DUNGUN, TERENGGANU DARUL IMAN

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EMAIL : info@affinity-ndt.com

WEBSITE : www.affinity-ndt.com

BOARD OF DIRECTORS

1. MOHD SHUKRI BIN ADENI
2. DAYANG HANIM BINTI AWANG MOHAMED ZAIPIRI

REGISTERED LICENSE :

1. PETRONAS : L-1004313-V
2. PETROS: P220014 - S
3. AELB : LPTA/A/1848
4. DOSH WORKPLACE : SW/18/22/120525
5. CIDB : 01201607144-SR176812
6. ISO 9001:2015 : ACSMA0610 - 01
7. Ministry of Finance : 357-3000030304

REGISTERED LICENSE



PETRONAS





OUR DIRECTORS

MOHAMAD SHUKRI BIN ADENI MANAGING DIRECTOR

Mohamad Shukri Bin Adeni is the Managing Director of Affinity Test Services Sdn Bhd, where he oversees all operations, ensuring the delivery of high-quality non-destructive testing (NDT) services, primarily for the oil and gas industry. With over two decades of experience in NDT and inspection, he has extensive expertise in pipeline integrity testing, long-range ultrasonic testing (LRUT), and rope access inspection techniques.

At Affinity Test Services, Mohamad Shukri manages both technical and business aspects, including project planning, client relations, and the supervision of large inspection projects. He has successfully led his team in securing major contracts, notably with Petronas & their Operating Units (OPUs), ensuring compliance with industry standards and delivering safe, reliable inspection solutions. His leadership has helped the company grow its reputation in Malaysia and the broader region.

His strong technical background, combined with his managerial skills, allows him to efficiently coordinate teams, implement safety protocols, and provide expert consultation on complex inspection projects.

DAYANG HANIM BINTI AWANG ZAIPIRI DIRECTOR

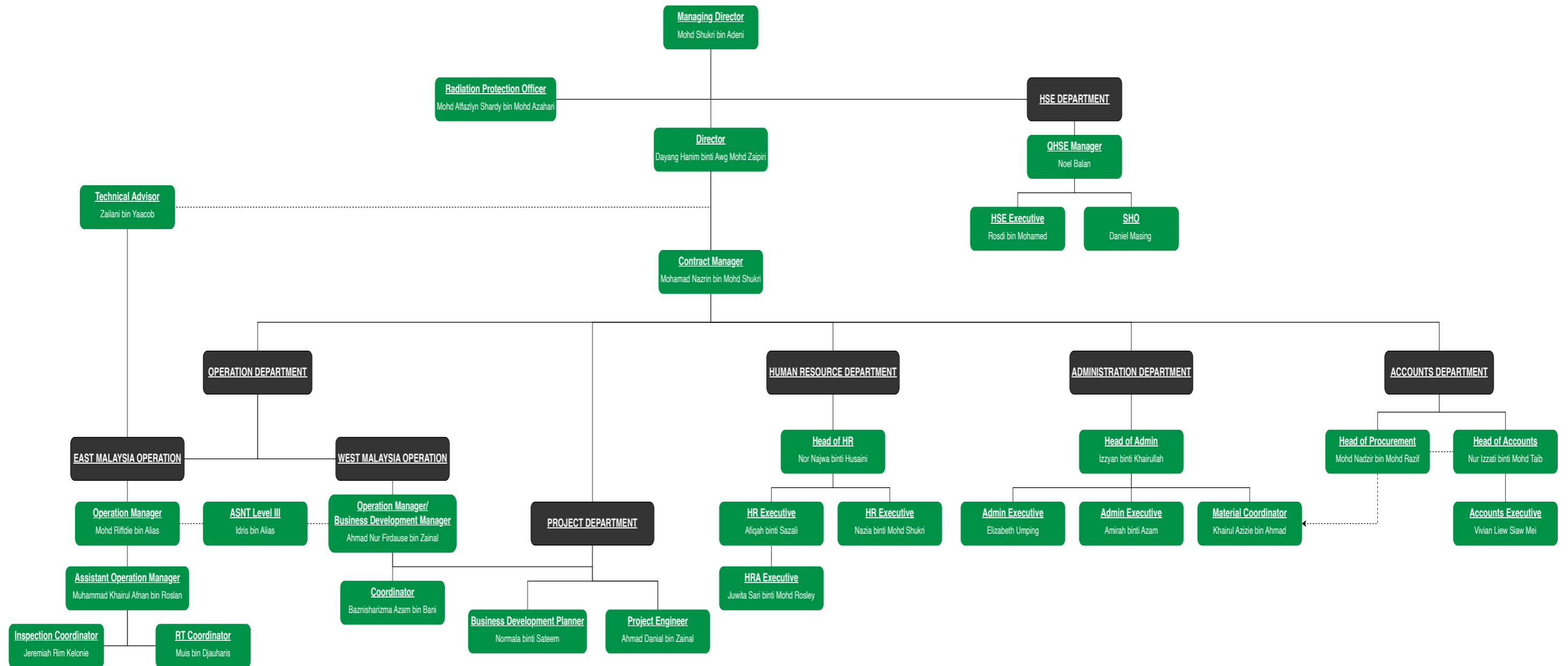
Dayang Hanim Bt Awang Mohamed Zaipiri is the Director of Affinity Test Services Sdn Bhd, where she has been leading the company since May 2012. In her role, she is responsible for enforcing business strategies, developing company objectives, and overseeing the senior management team. She ensures smooth coordination across departments, attends to client, and reports directly to shareholders. Dayang Hanim also supervises the company's compliance with industry regulations and manages its financial assets, including investments and stocks.

Before her current role, she served as a Director at Bumiprima Century Sdn Bhd from 2008 to 2011, where she managed the procurement and delivery of chemical injection pumps for Petronas Carigali Offshore. Additionally, she has extensive experience in banking, having worked at Affin Bank Berhad from 1999 to 2015. During her time there, she advised customers on banking services, managed client accounts, and helped generate new business by promoting financial products and services.

Her background in both corporate leadership and financial services has equipped her with a broad skill set, making her a versatile and effective leader in the oil and gas services industry.



ORGANIZATION CHART



What We Do



CONVENTIONAL NDT

- ULTRASONIC TESTING
- MAGNETIC PARTICLE TESTING
- DYE PENETRANT TESTING
- RADIOGRAPHY INSPECTION

ADVANCED NDT

- REAL-TIME X-RAY RADIOGRAPHY
- GUIDED WAVE TESTING
- BORESCOPE
- HARDNESS TEST
- VISUAL INSPECTION UNMANNED AERIAL VEHICLE - AERIAL VIDEOGRAPHY AND PHOTOGRAPHY
- 3D LASER SCANNING

OTHER SERVICES

- UNDERGROUND PIPE CABLE LOCATOR AND SURVEY
- PIPELINE CATHODIC PROTECTION (CP) SURVEY
- DIRECT CURRENT VOLTAGE GRADIENT SURVEY (DCVG SURVEY)
- CERTIFIED INSPECTOR
- NDT TECHNICIAN WITH ROPE ACCESS
- REMOTELY OPERATED VEHICLE (ROV)

Our Services



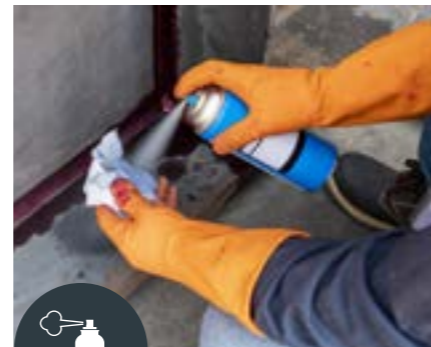
ULTRASONIC TESTING

Ultrasonic Testing (UT) is a technique that utilizes high frequency sound waves to detect imperfections of metal materials. This technique is widely used in industries mainly to define actual metal thickness and sub-surface defect sizing using appropriate selection of angle probes.



MAGNETIC PARTICLE TESTING

Magnetic particle testing (MT) is a technique which is utilized to detect surface and slightly sub-surface discontinuities in ferromagnetic materials such as iron, steel, nickel, cobalt, etc. This technique is primarily utilized in the industrial sector for integrity check at pressure vessels, piping, structures and even can be performed to inspect underwater structures.



DYE PENETRANT TESTING

Dye-Penetrant Testing (PT), also known as liquid penetrant inspection (LPI), is a cost-effective method used to detect surface discontinuities such as cracks, porosity, laps and seams. This technique can be applied to both ferrous and non-ferrous materials and all non-porous materials (metals, plastics or ceramics).



REAL-TIME X-RAY RADIOGRAPHY

OpenVision real-time x-ray radiography system enables qualitative screening for corrosion under insulation (CUI). CUI causes unscheduled downtime if not identified and corrected, posing major cost and safety issues. Identify problem areas quickly, saving valuable time and resources. Scan miles versus mere feet accomplished by other NDT methods.



GUIDED WAVE TESTING

Guided wave testing is a non-destructive testing technique that projects sound waves along pipe walls in order to detect corrosion or other damage. Guided wave ultrasonic testing is also sometimes referred to as long range UT. Guided wave ultrasonics is useful for examining a long length of pipe quickly and from a single location. This technique does not require contact with the pipe except for where the sensor ring is fitted.



CERTIFIED INSPECTOR

Certified Inspector which provide our customers with technical recommendations through visual assessment on repairs, replacement and alterations needed for specific equipment and piping in line with inspection codes and standards such as American Society of Mechanical Engineers (ASME), American Petroleum Institute (API), National Association of Corrosion Engineers (NACE) & etc.

OPEN VISION REAL-TIME RADIOGRAPHY

Open Vision is an easy-to-operate digital x-ray system with live video output for radiographic inspection and reporting in real-time. It is a non-destructive testing (NDT) technique that uses real-time radiography to scan insulated pipe systems for corrosion or corrosion precursors, weld mapping and heat trace location.

Advantages of Open Vision Real-Time Radiography

- High - speed screening
- Easy interpretation
- Minimal operator training
- Requires no callibrations
- Video and still image recording
- Tough and efficient
- Minimize missed calls
- Fast and easy mounting



GUIDED WAVE INSPECTION UTILIZING MsS TECHNOLOGY

Advantages of Guided Wave MsS

- Rapid surveying of long lengths of pipe
- Detection of corrosion under insulation without removing insulation except the probe location
- Cost reduction in gaining access to the pipes for inspection
- 100% pipe inspection coverage
- The ability to inspect inaccessible area such as overhead pipe or burried pipes
- High temperature inspection up to 300 °C

MsS System is a device that electromagnetically generates and receives low-frequency ultrasonic guided waves. It is used for rapidly surveying a long length of pipeline from a single test location. The corrosion wall loss and cracks in aboveground, buried, and insulated pipe can be detected, and their locations and sizes can be estimated by analyzing the data with user-friendly software.



REMOTELY OPERATED VEHICLE (ROV)

Remotely Operated Vehicle (ROV) is a free-swimming submersible craft used to perform underwater observation, inspection and physical tasks such as valve operations, hydraulic functions and other general tasks within the subsea oil and gas industry, military, scientific and other applications. ROVs can also carry tooling packages for undertaking specific tasks such as pull-in and connection of flexible flowlines and umbilicals, and component replacement.

Advantages of Remotely Operated Vehicle (ROV)

- Reduce the need for humans to dive or where it's impractical to do so
- Mechanism for deploying certain tools and inspection equipment underwater in a safer and more practical manner

Inspection Services Provided by ROV

- General Visual Inspection (Foundation Weld, Damage to the structure, Paint Coating, Cathodic Protection - Anode / ICCP, Scour Protection, Cable Entry Inspection - J-Tube, Marine Growth & Grout Inspection)
- Non-Destructive Testing (CP Readings - CP Probe, Ultrasonic Thickness Measurements - UT Gauge, Flood Member Detections - FMD System, Eddy Current Testing - Pulsed EC Probe)
- Other Inspection (Marine Growth Cleaning - Rotation Brush, Scour Monitoring - Multibeam Survey, Grout & Paint Coating Inspections - Sensor, Subsea Cable Depth of Burial - Cable Tracker)

All our ROVs pilots are trained by skilled U.K. pilot instructors, accumulating considerable experience in several projects. Our control containers which are fully inspected and certified by DNV for clients to easily mob and demob. Besides, the container is equipped with the crane, winch, control center including a display screen, power supply, workstations, AC as well. In conclusion, they ensure pilots can operate ROVs in a safe environment while also saving the project time since it's easy to mob and demob.



Our Past and Current Projects

2012-2013

- PROVISION TO SUPPLY OPERATOR, NDT/UT LEVEL OFFSHORE 2 & EQUIPMENT FOR LONG RANGE ULTRASONIC TEST (LRUT) AT FARLEY BARAM FIELD

2014

- PROVISION TO SUPPLY MANPOWER AND EQUIPMENT FOR LONG RANGE ULTRASONIC AT MCOT
- PROVISION TO SUPPLY TEAM & EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION (CUI) TEST AT MCOT
- PROVISION OF UNDERGROUND CABLE AND PIPE LOCATING WITH COORDINATE SURVEY AT MCOT

2015

- PROVISION OF UNDERGROUND CABLE AND PIPE LOCATING WITH COORDINATE SURVEY AT TANK MCOT
- PROVISION TO SUPPLY TEAM & EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION (CUI) TEST AT BINTULU CRUDE OIL
- PROVISION TO SUPPLY OPEN VISION EQUIPMENT AND PERSONNELS FOR BARAM A & F FOR PCSB-SKO (REAL TIME DIGITAL RADIOGRAPHY WITH LOW ENERGY X-RAY FOR CUI INSPECTION)
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT LGAST, SBO.

2016

- PROVISION OF UNDERGROUND CABLE AND PIPE LOCATING WITH COORDINATE SURVEY AT TANK MCOT
- PROVISION FOR INSPECTION ON SITE ROAV AT FLARE TIP AND FLARE BOOM ON BAP-AA & FLARE TIP & FLARE BOOM ON BAKP-B
- PROVISION FOR CONSULTANCY, ENGINEERING AND DESIGN FOR PLANT 2, JETTY IMPROVEMENTS PETRONAS CHEMICALS METHANOL SDN BHD, LABUAN
- PROVISION FOR MANPOWER AND EQUIPMENTS PRE-COMMISSIONING & COMMISSIONING OF PIPE WITH ASSOCIATED FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT CONDENSATE METERING PROVER SKID SK-790 AT BIF
- PROVISION FOR MANPOWER AND EQUIPMENTS PRE-COMMISSIONING & COMMISSIONING OF PIPE WITH ASSOCIATED FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT CRUDE OIL POWER LOOP METERING AT BCOT

- PROVISION FOR MANPOWER AND EQUIPMENTS PRE-COMMISSIONING AND COMMISSIONING OF PIPE WITH ASSOCIATED FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT GAS HEAT EXCHANGER B11 PLATFORM
- PROVISION OF PERSONNEL FOR WORKSCOPING REAL TIME LOW KV/ MA X-RAY CORROSION UNDER INSULATION (CUI) INSPECTION AT B11 PLATFORM (OFFSHORE) FOR PCSB SKO
- PROVISION OF SUPPLY TANK SURVEY/SETTLEMENT ON TANK 3360 & TANK 1 ,BIF FOR PCSB SKO
- PROVISION TO ULTRASONIC TEST TECHNICIAN WITH CONFINED SPACE AT BIF & ABF PLANT AT BINTULU (PL391 UT VERIFICATION)

2017

- PROVISION FOR MANPOWER & EQUIPMENT FOR UNDERGROUND CABLE AND PIPE LOCATING WITH MAPPING AND COORDINATE SURVEY AT TANK 83, AREA C-1216-086, TANK 83 AREA D-1216-087, TANK 5301-1216-088 & TANK 67-1216-089
- PROVISION OF MULTI-DISCIPLINE LEVEL 2 NDT TECHNICIAN INCLUDING EQUIPMENT AND CONSUMABLE FOR ADHOC JOB AT FALTECH WORKSHOP
- PROVISION OF MANPOWER & EQUIPMENT FOR BORESCOPE INSPECTION AT HELANG INTEGRATED PLATFORM
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BSTAB 1,2,3, & 4, BIF
- PROVISION FOR MANPOWER AND EQUIPMENT FOR FULL ASSESSMENT ON THE INTEGRITY OF FIREWATER LINE WITH LRUT,PAUT,UTT G MEASUREMENT AND API 570 METHOD AT BCOT
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BARONIA & D35, OFFSHORE PCSB

2018

- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BSTAB 3 & 4
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BARAM (BAKP-B)
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT B11

Our Past and Current Projects

- PROVISION FOR MANPOWER AND EQUIPMENT FOR MMM INSPECTION AT B11
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT E11
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT NC3
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BAGSF
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BADP-B, BARAM
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BCOT, BINTULU
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BOKOR, BETTY & BAYAN
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BSTAB 1, 2, 3 & 4
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BIF, BINTULU
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BAK-B

2019

- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT MCOT
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BAKP-B MEDIUM/LOW PIPING
- PROVISION FOR MANPOWER AND EQUIPMENT FOR REAL-TIME DIGITAL RADIOGRAPHY W/LOW ACTIVITY X-RAY WITH OPENVISION FOR CORROSION UNDER INSULATION INSPECTION AT BARONIA 1ST CAMPAIGN
- PROVISION OF UNDERGROUND CABLE AND PIPE LOCATING WITH COORDINATE SURVEY AT TANK 69, MCOT

2018 - 2023

- PROVISION OF PAN MALAYSIA INSPECTION & CORROSION MONITORING SERVICES (ICMS) FOR PETRONAS OPERATING UNITS (OPUS), PETRONAS CARIGALI SDN BHD (PCSB), AND PETROLEUM ARRANGEMENT CONTRACTORS (PACS)
LOCATION : MLNG & ABF (BINTULU), PCML (LABUAN), PCFSSB (SABAH)
CONTRACT NO.: CTC/HC-GP/2017/54

2023 - CURRENT

- PROVISION OF PAN MALAYSIA INSPECTION SERVICES - BASIC NON-DESTRUCTIVE TEST (NDT) FOR JADESTONE ENERGY (MALAYSIA) PTE. LTD
CONTRACT NO.: 023-A025

2023 - CURRENT

- PROVISION OF PAN MALAYSIA INSPECTION SERVICES - BASIC NON-DESTRUCTIVE TEST (NDT) FOR ENQUEST MALAYSIA
CONTRACT NO.: EN23035

2023 - CURRENT

- PROVISION OF PAN MALAYSIA INSPECTION SERVICES - BASIC NON-DESTRUCTIVE TEST (NDT) FOR PETROFAC MALAYSIA
CONTRACT NO.: PM-C-23-3887

2023 - CURRENT

- PROVISION OF PAN MALAYSIA INSPECTION SERVICES - BASIC NON-DESTRUCTIVE TEST (NDT) FOR IPC MALAYSIA B.V..
CONTRACT NO.: MP7/C/OPR/23/078

2023 - CURRENT

- PROVISION OF PAN MALAYSIA INSPECTION SERVICES - BASIC NON-DESTRUCTIVE TEST (NDT) FOR MALAYSIA LNG SDN. BHD.
CONTRACT NO.: RFP-000000040961/MLNG



Affinity Test Services Sdn. Bhd.

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