



RELIACRAFT ENGINEERING SDN. BHD.



## Head Office :

ReliaCraft Engineering Sdn Bhd (782932-M)  
No 2, Jalan Perindustrian Suntrack  
Off Jalan P1A, Seksyen 13, Bandar Baru Bangi,  
43000 Kajang, Selangor

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Fax : 03 – 8912 4555

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Web: [www.reliacraft.com.my](http://www.reliacraft.com.my)

## Corporate Information :

Date of Incorporation	: 31 <sup>st</sup> July 2007
Authorized Capital	: RM 1,000,000.00
Paid-up Capital	: RM 1,000,000.00
Shareholders	: Reliacraft Berhad
Shareholding Status	: 100% Bumiputra
• Bankers	: RHB Islamic Bank, Pandan Indah
• Auditors	: Kuzaimi & Co.
• Company Secretary	: Semarak Secretarial Services



## Company Background :

ReliaCraft Engineering Sdn Bhd was incorporated in July 2007 with focus to provide technical and services in *Condition Based Monitoring, Risk Based Inspection, Gas Loss Of Containment Services(GLOCS), Basic & Advance NDT services* and other advanced engineering studies such as *Finite Element Analysis (FEA), Modal Analysis and Operation Deflection Shape (ODS)*.

To cater the need for safety and protection system we provide high end solution to Malaysian military, Malaysian Royal Police, Fire and rescue team by providing the vital solution such as robotics mine clearance and firefighting systems, weaponries, and anti drone technology to suit their need .

With IT as the backbone of our operations/services, we have also taken full advantage of our expertise and business networking by offering *Software and hardware supply, desktop virtualization, maintenance and repair services*.

As to date, we have proudly served highly technology-driven organizations such as *PETRONAS, ExxonMobil, Shell, Motorola, Scomi, PDRM, BOMBA, Malaysian Ministry of Defense (STRIDE) and KPDNKK* to name a few; and have also won trusts to be appointed as representatives for internationally established organizations such as *IDS Ingegneria Dei Sistemi (Italy), Gas Imaging Technology LLC (USA); DOKING (Croatia), DesktopIP (USA) and HS Produkt (Croatia)*.

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# Key Business Activities

## □ Inspection Services

- Gas Loss Of Containment Services
- Condition Based Maintenance
- Advance Vibration Monitoring & Analysis
- Inspection & Corrosion Monitoring Services



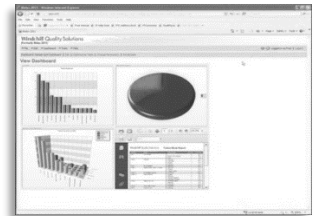
## □ Advanced Technology Supply and Services

- Robotics
- Anti UAV's and drones
- Weaponries



## □ Information Technology

- Desktop IP
- Application /Solution development
- Hardware / Peripherals solution
- Networking infrastructure solutions
- Professional and consulting services
- Training & Workshops



## Our Client



Scomi



ST Kinetics  
A company of ST Engineering

ExxonMobil



MOTOROLA



TENAGA  
NASIONAL



## Our Partners

**GIT**

GAS IMAGING TECHNOLOGY, LLC  
World's most reliable & Pacific Advanced Technology



DOK-ING



HS Produkt

**IDS**

INGEGNERIA DEI SISTEMI

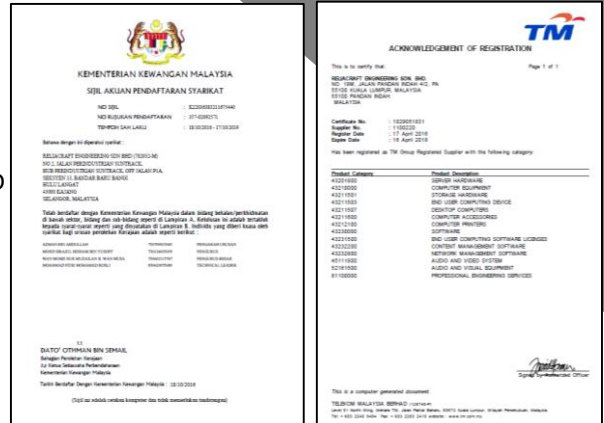
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# About Us

## License & Registration

- MINISTRY OF FINANCE MALAYSIA
- PETROLIAM NASIONAL BERHAD (PETRONAS)
- CONSTRUCTION INDUSTRY DEVELOPMENT BOARD (CIDB)
- TELEKOM MALAYSIA (TM)
- TENAGA NASIONAL BERHAD (TNB)
- FELDA GLOBAL VENTURES (FGV)



## Awards

Recipient of PETRONAS CARIGALI's OUTSTANDING VENDOR AWARD for Two (2) Consecutive Years

- PETRONAS CARIGALI - OUTSTANDING VENDOR AWARD (OVA) 2012 & 2011 In Recognition Of Outstanding Performance Throughout 2011 & 2010



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# Our Services

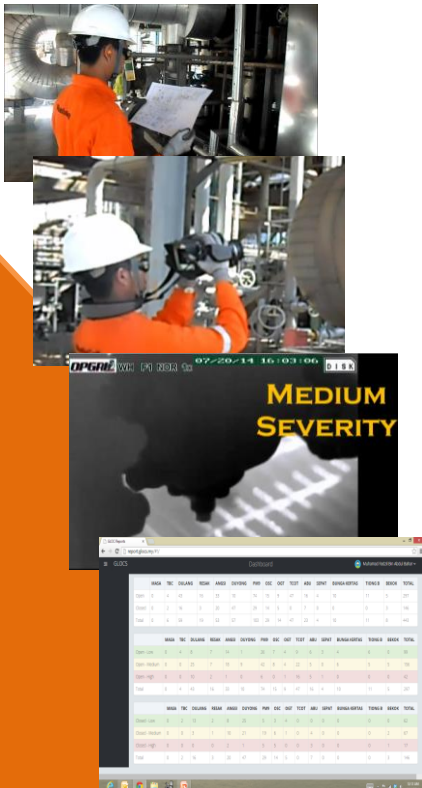
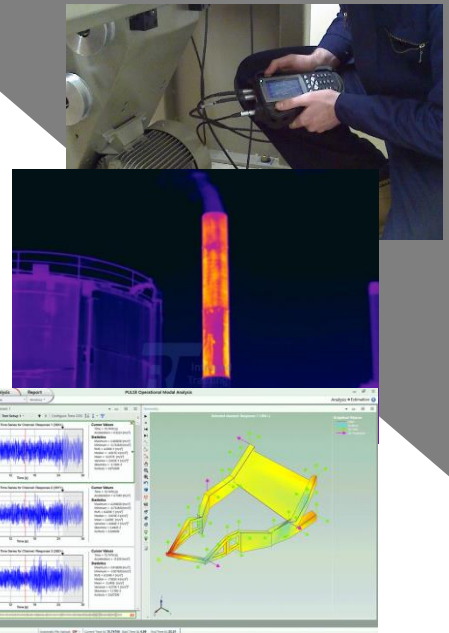
## Inspection & Maintenance Services

### CONDITION BASED MAINTENANCE

ReliaCraft provides a complete Condition Based Maintenance services. By adopting multiple CBM methodologies and/or techniques, we will be able to detect early signs of misalignment, out-of-balance, mechanical looseness, poor lubrication, bent shafts, motor current faults or bearing damage before it causes machine breakdown.

ReliaCraft can offer regular or periodic vibration analysis on plant equipment (as part of a predictive maintenance program) or one-off investigations to determine the cause of the problem. Our reports are designed to be simple to understand with no jargon to interpret.

To complement vibration analysis as our main CBM methodology, we also offer infrared thermal imaging, laser alignment, balancing, ultrasonic testing and lube oil analysis (on-site and off-site) services.



### GAS LOSS OF CONTAINMENT SERVICES (GLOCS)

ReliaCraft strives to provide industry best practice for gas leak detection. Being the provider for gas leak detection services, we quickly realizes a common loophole that just makes the leak detection and repair activities futile – that there is lack of data for trending and monitoring purposes. Prompting from this vacuum, we add value to our inspection services by offering database setting-up and management for our clients. With an extensive and proper database management, we are able to offer our clients the most valuable information for them to monitor, analyze and plan their improvement activities, rather than keep on repeating the same rectification or repair activities.

By taking advantage of our capabilities above, you should be able to steer your organization towards:

- Optimized Plant Maintenance Performance
- Increased Plant Safety
- Reduced Production Losses
- Increased Production Efficiency
- Reduced Leak Emission to the Environment
- Accurate Leak Data Reporting & Analysis
- Improved Asset Management
- Creating Best Practice in Leak Management

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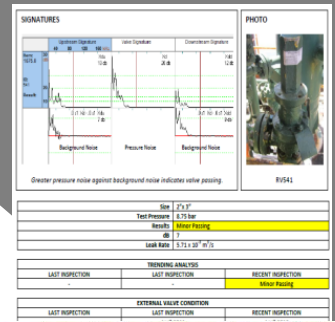
## Inspection & Corrosion Monitoring Services

## NDT SERVICES

ReliaCraft provides a basic NDT services to cater the regulatory need for Oil & Gas sector from UTG, MT / PT, Radiographic Testing and other basic NDT services as well.

ReliaCraft can offer regular or periodic NDT analysis on plant equipment (as part of a schedule inspection maintenance program). Our reports are designed to be simple to understand with no jargon to interpret.

To complement NDT services as our main inspection methodology, we also offer manpower supply of the inspection personnel, equipment supply & rental and NDT abseiling inspection services.



## ADVANCE NDT SERVICES

ReliaCraft strives to provide more advance and high end inspection services. Such as in area we are the first company to introduce the UAV's flare and structural inspection service to Petronas, We do also provide CUI X-Ray Imaging services and other related services such as internal corrosion monitoring activity.

Key Benefit of these activities are:

- Easily pin point corrosion on pipelines
- Real time
- Safe and reliable
- Accurate
- Safe more time compare to conventional method
- Increase Plant safety



# Our Services

## Advanced Technology Supply & Services

### Supply & Services

ReliaCraft provides a solution to the client by delivering the needs for safety, protection and defense solutions for our government body.

To suit with today needs we provide various ranging product to support for our law enforcement bodies, military, fire, rescue team and defense. Such product that we supply are unmanned mine clearing and firefighting robots, HF communications radio, anti drone system, weaponries and etc.



### List of product that we carry

#### Robotics mine clearing and firefighting systems

- Design for harmful, hazardous and dangerous environment.
- Unmanned and can be controlled from distance (up to 1500m).
- Built in camera, fire fighting system and GPS.
- Able to survive mine detonations.

#### Anti Drone System

- Provide hostile and unauthorized used of UAV's.
- Able to detect both fixed wing and rotorcraft .
- provide 360° protection coverage.
- incorporated with turret and multiband jammer.
- Neutralize all hostile UAV's.

#### Weaponries

- We provide various range of semi automatic pistol and corner short weapon.
- Advance engineering and ergonomics usage.

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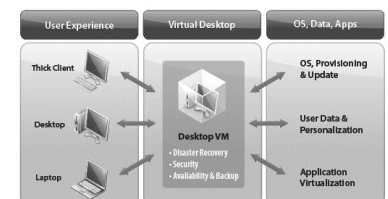
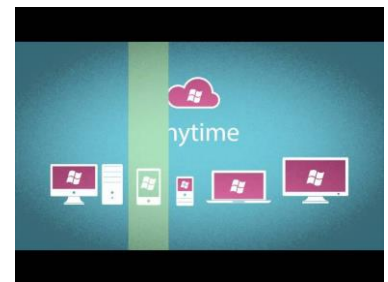
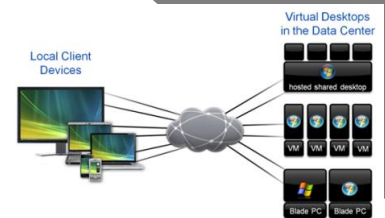
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# Our Services

## IT Services: Desktop IP

- Desktop IP provides an integrated end to end virtualization management solutions and services known as Integrated Workstation Virtualization (IWV).
- Virtualization and all of its benefit should be available and affordable for any type of businesses regardless their size, scale and industry.
- IWV Solutions:
  - Replaces client/server systems
  - Lower Cost
  - Accessibility
  - No capital investment
  - High level encryption and geographically diverse storage
  - Green and Energy efficient.
- Business Case for Adopting IWV
  - Cost Effective (replace old computer system)
  - Mobility (anywhere, anytime, any device)
  - Fully Featured
  - Cross platform (Any operating system such as Windows, Apple, Linux)
  - Expandable and Scalable
  - Safe and Secure
- IWV support all types of application software

# desktop IP



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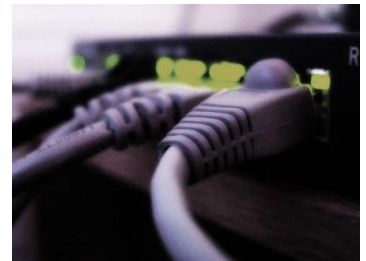
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# Our Services

## IT Services: Supply, Services, Integration and Training

- The Information Technology team sum up all the necessary data and information as to provide a solid and efficient foundation in managing data and information for reliability and up to date solutions.
- R&D and Software development as well as system integrations are very much tailor-made to the clients needs and requirements.
- Designs, integrates and markets advanced technology products and services to the customers
- Designs, develops, and integrates application/solution to fit our customers' needs.
- Supply a wide range of products in Information Technology such as:
  - Hardware/Software/Peripherals
  - Cabling and Networking Equipments
  - Office Equipments
  - Lab Equipments
  - Technology Machineries
- Provide professional & consulting services to our customer.
- Provide training in accordance to the products/solutions:
  - Product Training
  - New Technology Training
- Wired/Wireless Network CCTV Surveillance Systems
- Building Security Systems: Security Card Access Systems



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# Track Records

## Projects (NDT)

No	Descriptions	Date / Period	Value (RM)
1.	Provision of IR Thermography inspection services for PETRONAS Carigali Sdn Bhd – Peninsular Malaysia Operations (Angsi Platform)	March 2011	10,000.00
2.	Provision of IR Thermography inspection services for ExxonMobil – Six offshore Platforms, offshore Kerteh.	July 2011	90,000.00
3.	Provision of Ultrasonic Thickness Gauging (UTG), Vibration Measurement Analysis and Infrared Thermography Studies on FSO Puteri Dulang for MISC Berhad	August 2012 - October 2012	270,000.00
4.	Thermography Scanning services at Exxonmobil (TAPIS A, TAPIS B, JERNEH A) for Velosi (M) Sdn Bhd	January 2015	25,500.00
5.	IR Gas Leak Camera Inspection services For GPK for NDE Consultancy Services Sdn Bhd	May 2015	87,000.00
6.	Thermography Scanning services For Exxonmobil (GUNTONG A) for Velosi (M) Sdn Bhd	June 2015	17,000.00
7.	Provision of Thermography Scanning services For WPPB BORF for Winner Inspection Sdn Bhd	September 2015	25,000.00
8.	Provision of Thermography Inspection services for PETRONAS Chemical Methanol Labuan	April 2017 – December 2017	100,000.00
9.	Provision of Manpower, Equipment, Tools and Consumeables for Infrared (IR) Thermography Gas Leak Inspection Onboard MOAB South Angsi-A	May 2018	31,100.00
10.	Provision of Pan Malaysia Inspection & Corrosion Monitoring Services (ICMS) for Sapura E&P Peninsula Malaysia Operations for 5 Years contract	June 2018 - June 2023	20,000,000.00

# Track Records

## Projects (NDT)

No	Descriptions	Date / Period	Value (RM)
11.	Provision of Pan Malaysia Inspection & Corrosion Monitoring Services (ICMS) for Petrofac (Malaysia-PM304) Limited for 5 Years contract	June 2018 - June 2023	7,500,000.00
12.	Provision of Inspection and Corrosion Monitoring Services (ICMS) for ExxonMobil Exploration and Production Malaysia Inc. for 5 Years Contract	June 2018 - May 2023	102,000,000.00
13.	Provision of Pan Malaysia Inspection & Corrosion Monitoring Services (ICMS) for Repsol Oil & Gas Malaysia Limited	June 2020 - June 2023	10,000,000.00

# Track Records

## Projects (GLOCS)

No	Descriptions	Date / Period	Value (RM)
1.	Provision of gas leak inspection services for offshore platforms, PETRONAS Carigali Sdn Bhd – Sarawak Operations	June 2010 - July 2010	400,000.00
2.	Provision of gas leak inspection services for offshore platforms, PETRONAS Carigali Sdn Bhd – Peninsular Malaysia Operations	February 2011 - August 2011	1,800,000.00
3.	Provision of gas leak inspection services and setting up database for all offshore and onshore facilities platforms, PETRONAS Carigali Sdn Bhd – Sarawak Operations	July 2011 - January 2012	3,000,000.00
4.	Provision of gas leak inspection services and maintaining database for all offshore and onshore facilities, PETRONAS Carigali Sdn Bhd – Sarawak Operations	April 2012 - September 2012	1,850,000.00
5.	Provision of Gas Loss of Containment Detection Services for PETRONAS Carigali Sdn Bhd (Sabah Operations (SBO), Sarawak Operations (SKO) and Peninsular Malaysia Operations (PMO) for 3 years.	November 2012 - November 2015	10,582,000.00
6.	Provision of Gas Leak Inspection using SW IR Gas Camera at Bintulu Crude Oil Terminal (BCOT) for Winner Inspection Sdn Bhd	October 2015 - December 2015	40,000.00
7.	Provision of Gas Loss of Containment Detection Services for PETRONAS CariGali Sdn Bhd for Peninsular Malaysia Operations (PMO)	November 2015 - November 2016	1,500,000.00
8.	Provision of Gas Leak Detection Services for PH 1 and PH 2 Gas Skid Inspection for Tenaga Nasional Berhad Generation Sdn Bhd (TNBG SJ Paka, Terengganu)	November 2016	27,000.00
9.	Gas Leak Services for GPP all plants for PETRONAS Gas Berhad	July 2017 - September 2017	200,000.00
10.	Term Of Contract for Thermography Inspection for Petronas Gas Transmission and Regasification (GTR) For a Period of 2 Year with an Option of Extension Up To 1 year – PETRONAS GAS BERHAD	October 2017 - October 2019	1,530,000.00

# Track Records

## Projects (GLOCS)

No	Descriptions	Date / Period	Value (RM)
11.	Term Contract Of Supply Manpower, Tools, Equipment, Consumables, Transportation For Infrared (IR) Leak Survey for Gas Processing Kerteh (GPK) – PETRONAS GAS BERHAD	December 2017- December 2018	596,700.00
12.	Term Contract for Gas Leak Detection Services for PETRONAS Chemicals MTBE Sdn Bhd for Duration of 2 Years with 1 Year Extension Option.	March 2018 – March 2020	580,000.00
13.	Term Contract on Leak Detection and Repair (LDAR) using Gas Leak of Containment (GLOC) Camera at PETRONAS Chemical Methanol Sdn. Bhd.	April 2018 - April 2023	1,079,700.00
14.	Provision of Gas Loss of Containment (GLOC) at FPSO Berantai for E&P O&M Services Sdn Bhd (EPOMS)	May 2018 - December 2018	71,800.00
15.	Provision of Manpower, Equipment, Tools and Consumeables for Infrared (IR) Thermography Gas Leak Inspection Onboard MOAB South Angsi-A	May 2018	31,100.00
16.	Work Specification for Term Contract for Gas Leak Detection Services for PETRONAS Chemicals Derivatives Sdn Bhd for two (2) Years with an option extend for one (1) year.	June 2018 - June 2020	500,000.00
17.	To provide professional service of IR Gas Leak for Malaysian Refining Company Sdn Bhd (MRCSE) Malacca.	June 2018	25,000.00
18.	Leak Detection and Repair (LDAR) Gas Leak Detection Services at PETRONAS Chemicals Fertilizer Kedah (PCFK)	January 2019	46,500.00

## Projects (Advanced NDT)

No	Descriptions	Date / Period	Value (RM)
1.	Provision of Non-Intrusive predictive Inspection Services using Acoustic and Thermograph Methodologies for 3 Years contract with Sarawak Shell Berhad	April 2013 - April 2016	5,300,000.00
2.	Real Time X-ray Inspection, Workscoping & Further Visual Inspection, Full Repair & Maintenance for Corrosion Under Insulation (CUI) at Labuan Gas Terminal	October 2015	1,500,000.00
3.	Term Of Contract for Acoustic Valve Assessment for Petronas Gas Transmission and Regasification (GTR) For a Period of 2 Year with an Extension 1 year – PETRONAS GAS BERHAD	April 2018 - March 2021	1,900,000.00



# Track Records

## Projects (CBM)

No	Descriptions	Date / Period	Value (RM)
1.	Provision of Condition Based Monitoring services for PETRONAS Carigali Sdn. Bhd. – Sarawak & Sabah Operations, 3 years contract	Jan 2010 - Dec 2013	15,200,000.00
2.	Transient Vibration Analysis for Compressor Motor at Baronia Platform, PETRONAS Carigali Sdn Bhd - Sarawak Operations.	March 2010	51, 415.00
3.	Post Measurement Study on Transient Vibration Analysis for Compressor Motor at Baronia Platform, PETRONAS Carigali Sdn Bhd – Sarawak Operations.	April 2011	21, 795.00
4.	Detailed Structural Analysis for Compressor skid at Baronia Platform, PETRONAS Carigali Sdn Bhd –Sarawak Operations (which includes Modal Analysis and ODS)	April 2011	75, 000.00
5.	Finite Element Analysis (FEA) for Reciprocating Compressor at Baronia Platform, PETRONAS Carigali Sdn Bhd – Sarawak Operations	April 2011	95, 000.00
6.	Operational Deflection Shape (ODS) and Modal Analysis Study on Gas Lift Compressor at Temana Platform, PETRONAS Carigali Sdn Bhd – Sarawak Operations.	May 2011	150, 000.00
7.	Finite Element Analysis (FEA) for Gas Lift Compressor at Temana Platform, PETRONAS Carigali Sdn Bhd – Sarawak Operations	August 2011	95, 000.00
8.	Provision of Condition Based Monitoring (CBM) services for PETRONAS Carigali Sdn. Bhd. – Sarawak Operations, 3 years contract.	December 2013 - December 2016	10,000,000.00
9.	Provision of Condition Based Monitoring (CBM) Services for E&P O&M Services Sdn Bhd (EPOMS) – 2 years contract	May 2018 - May 2020	1,650,000.00
10.	Piling Vibration Monitoring At Kp 135 Nps 36 Natural Gas Pipeline For Sitiawan Regional Operation, Gas Transmission and Regassification, PETRONAS Gas Berhad	March 2019	24,898.00

# Track Records

## Projects (Structural & Flare Inspection)

No	Descriptions	Date / Period	Value (RM)
1.	Structural Modification Consultation for Gas Lift Compressor at Temana Platform, PETRONAS Carigali Sdn Bhd – Sarawak Operations	February 2012	9, 400.00
2.	Provision to provide Professional Service of GLCD for UAV Inspection at PETRONAS Carigali Sdn Bhd – Sabah Operations	May 2015	820,000.00
3.	Provision to provide Professional Services of ROAV Inspection for PK flares for Axis Inspection Ltd, Kingdom of Saudi Arabia	August 2017	300,000.00
4.	Term Contract for Long Range Drone Surveillance for PGB GTR Pipeline Right of Way (ROW) for a period of 6 Months	April 2020 - October 2020	600,000.00

## Projects (Supply)

No	Descriptions	Date / Period	Value (RM)
1.	Supply of one unit Sherlock VOC Gas Imaging Spectrometer for PETRONAS CariGali Sdn. Bhd. – Peninsular Malaysia Operations (PMO)	April 2012	450,000.00
2.	Supply and deliver of Spectro Q100 RDE Elemental Analyzer for Petronas Carigali Sdn Bhd – Sarawak Operations	November 2015	1,500,000.00
3.	Provision of supply and deliver ADRE 408 Top level assembly for Petronas Carigali Sdn Bhd – Sarawak Operations	December 2015	270,000.00

# Track Records

## Projects (Training)

No	Descriptions	Date / Period	Value (RM)
1.	Provision of Lube Oil Analysis MLA Certification Course for Petronas Carigali Sdn Bhd – Sarawak Operations	February 2015	77,000.00
2.	Provision of Condition Monitoring Oil Analysis Training Course for PETRONAS Carigali Sdn Bhd – Sarawak Operations	August 2015	70,000.00
3.	Provision of Course Reliability and Maintenance Practice (CRMP) Training for Petronas Carigali Sdn Bhd	November 2015	30,000.00
4.	Provision for ITC Infrared Thermography - Level 2 Certification Course for Petronas Carigali Sdn Bhd	December 2015	103,000.00

## Projects (Robotic)

No	Descriptions	Date / Period	Value (RM)
1.	Supply, Deliver, Installing, Testing and Commissioning of Multifunction Remote Controlled Robotic System untuk Unit Pemusnahan Bom, Polis Di Raja Malaysia	March 2016 - March 2018	7,891,300.00



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