

**WWW.AFCM.COM.MY**

*The Art of DIAGNOSTIC*

**AF Condition Monitoring (M) Sdn Bhd**  
*Company Business Profile*

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[www.afcm.com.my](http://www.afcm.com.my)



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**WWW.AFCM.COM.MY**  
*The Art of DIAGNOSTIC*  
**th Anniversary**  
1995 - 2020  
★★★★★

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## **BACKGROUND**



AF Condition Monitoring (M) Sdn Bhd incorporated in 1995 also known as AFCM is the industry's most trusted partner for integrated plant reliability maintenance or condition monitoring.

Our Condition Monitoring Service model strive continuously for improving plant availability, less breakdowns and reducing maintenance costs.

AFCM provides products, services, training and support to suit all the requirements of plant maintenance. We are your Predictive Maintenance or Condition Monitoring Specialists, providing a combination of CBM tools. .

## **COMPREHENSIVE SOLUTION**



AFCM is a single-point solution for all plant maintenance needs and have more than 15 years proven track record of implementing the most cost effective and efficient condition based monitoring programs.

AFCM draws on a wealth of practical 'hands-on' experience and engineering/ scientific expertise to offer a range of Condition Monitoring packages to meet your needs



## VISION



To be the most proficient reliable and competent condition monitoring services provider towards customer satisfaction.

## MISSION



To provide our client with effective and reliable condition monitoring services and training for enhancing their plant efficiency and reliability

# OUR MILESTONES



**1987**  
Tn.Hj Fawzal begin career as Condition Monitoring analyst with VSSS, S'pore under supervision of Almarhum Bakar Hajee Ab.



**1992**  
Appointed as MD for VSSS Malaysia Branch named Spectral Tech Sdn Bhd



**1994**  
Further for MSc in Condition Monitoring at Solent Univ, Southampton, UK



**1994**  
Established AF Condition Monitoring (M) Sdn Bhd (known as AFCM) with his wife (Hjh. Sara Dalip)



**1996**  
Received Best Student Award from Vibration Institute, South Africa



**A.F Condition Monitoring (M) Sdn Bhd**  
Founder : Ts. Ahmad Fawzal Mohd Noor  
Team Strength: 21 Personnel

**1997**  
Malaysia power outage event brings the initial project to proof of CBM technology at Penang Bridge.



**1997**  
Awarded to perform IR Scanning for northern TNB Transmission 275kV and 132kV and to exposed TNB's staff on this technology

**1998**  
Appointed as a CBM services vendor under Vendor Development Program for TNB Generation, Transmission and Distribution until 2013



**2000**  
Responsible to establish TNB internal CBM squad under generation division for all power plants



**2004**  
Appointed as 1st international external Training Partner with Mobius Institute, Australia.



**2017**  
Received Long Term Contract as reward due to solving long due vibration issue at W.R Grace.



**2013**  
Awarded CBM contract for Petronas Cargali, Sabah Operation.

**2008**  
Established term agreement to parallel with TNB REMACO Test and Diagnostic division.

**2007**  
Awarded LTSA with KEV Power Plant.

**2005**  
Vibration trainer at Industrial Skill Enhancement Program for unemployed graduates, by Perbadanan Tabung Pembangunan Kemahiran, Kementerian Sumber Manusia until 2013

**2021**  
Appointed as Distributor for Tan Delta System (Online Oil Sensor) and for Satir (Infrared Thermal Camera)

**2020**  
Appointed as Distributor for ACOEM (Vibration Solution) and NADA (Turbomachinery Diagnostic)

**2019**  
Appointed as Sole Distributor for Machine Sentry

**2019**  
Received award from FPSO Ventures, for solving vibration issue & establish CBM program for multi-type vessel ship with Icon Offshore.



# AFCM ORGANIZATION CHART



**BOARD OF DIRECTOR**  
**MANAGING DIRECTOR**  
 TS AHMAD FAWZAL MOHD NOOR P.TECH (ME)  
**GENERAL MANAGER**  
 PN HJH SARA DALIP



**ADMINISTRATION, HR & FINANCE DEPT**  
**ADMIN MANAGER**  
 PN. ZAHILAH MD RAHIM  
**ADMIN EXEC**  
 PN SITI HUSNA AHMAD FAWZAL



**TECHNICAL DEPT**  
**OPERATION MANAGER**  
 EN. AHMAD NU'MAN AHMAD FAWZAL



**TRADING & MARKETING DEPT**  
**BUSINESS DEVELOPMENT MANAGER**  
 EN. AHMAD MUADZ AHMAD FAWZAL



**TRAINING DEPT**  
**TRAINING ADMINSTRATOR**  
 CIK NUR DIYANA BAHARI



**ELECTRICAL**  
**HEAD OF UNIT**  
 EN. MOHD JAMADIL AKHIR MAT RAMLI



**MECHANICAL**  
**HEAD OF UNIT**  
 EN. MUHAMMAD ALI ABD RAHMAN



**PROJECT MANAGER**  
 EN. MOHD KAMIL MOHD SANI

**TECHNICAL EXECUTIVE**  
 EN. ZULAZWAN SHAM ZULKARNAIN

**TECHNICAL EXECUTIVE**  
 EN. YUNUS ABU SAFIAN

**TECHNICAL EXECUTIVE**  
 EN. MOHD FARIZ MD ROSLI

**TECHNICAL EXECUTIVE**  
 EN. KHAIRUL AIMAN SHARIZAN

**TECHNICAL EXECUTIVE**  
 EN. MUHAMMAD SYAHIR SHAARI



**SR TECHNICAL EXECUTIVE**  
 EN. MUHAMMAD FIRDAUS ARIS

**FIELD ENGINEER**  
 EN. MUHAMMAD HARIZUAN HARUDIN

**FIELD ENGINEER**  
 EN. MOHAMAD NAZIM AB HALIM

**FIELD ENGINEER**  
 EN. AHMAD AL-AMIN AHMAD FAWZAL

**FIELD ENGINEER**  
 EN. MUHAMMAD DANIEL MUHAMAD NOR

**FIELD ENGINEER**  
 EN. MUHAMMAD SYAFIQ MUHAMMAD YUSLI

**FIELD ENGINEER**  
 EN. MUHAMMAD AMIR ZAIM MOHD JAWAWI

## VA CAT IV

- A Fawzal
- A Nu'man



## VA CAT III

- M Ali



## VA CAT II

- M Firdaus
- M Harizuan
- M Nazim
- M Daniel
- Al Amin
- M Syafiq
- Amir Zaim
- Jamadil Akhir
- A Muadz



## IR Level II

- A Fawzal
- A Muadz
- M Kamil



## IR Level I

- Jamadil Akhir
- Zulazwan Sham
- M Daniel
- Al Amin



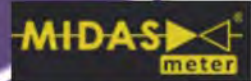
## US Level I

- A Fawzal
- A Nu'man
- A Muadz
- M Ali
- M Firdaus
- Yunus
- M Daniel
- Al Amin
- Syahir Shaari
- Syahir Akmal



AE Inspector  
(MIDAS METER)

- Jamadil Akhir
- A Muadz



HVPD  
Level II

- A Muadz
- Khairul Aiman
- M Fariz



Vib. Trainer

- A Fawzal
- A Nu'man



Ultrasound Trainer

- A Nu'man



ARP CAT II

- A Nu'man
- A Muadz



Chargeman A1

- M Kamil



# CONDITION MONITORING - The Art of DIAGNOSTIC



Condition Monitoring allows the operators of plant to assess its equipment's condition while it is in service. It thus allows defects to be detected and addressed before they lead to major breakdowns. Maintenance can be planned and organized in the most cost effective way. Availability can be increased by avoiding unnecessary maintenance downtime and allowing equipment with known defects to be operated while its condition is continuously monitored.

Condition Monitoring can demonstrate rapid payback by:

## ***Decreasing routine maintenance***

Only defective equipment need to be taken out of service

## ***Improving maintenance scheduling***

Faults can be quantified and maintenance scheduled to deal with most critical first

## ***Decreasing downtime for repair***

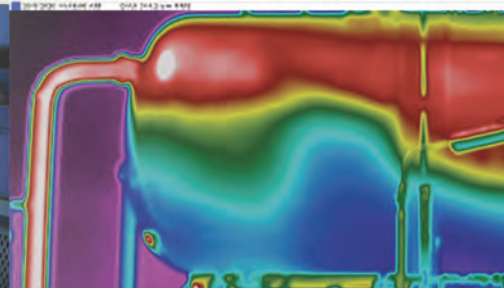
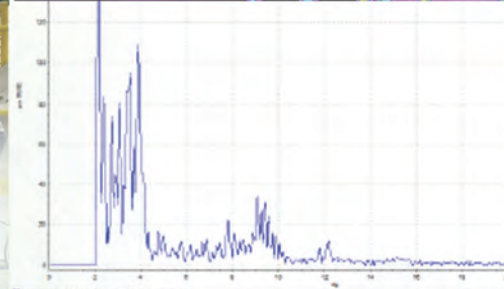
Diagnosis of nature and location of fault while equipment is in service allows rapid repair once the equipment is taken off-line

## ***Increasing availability***

Reduction of scheduled outages. Prevention of damage cause by major failures. Ability to run plant safely with known detects

## ***Early fault detection***

Defects are detected well before catastrophic failure occurs.



## OUR PROFESSIONAL SERVICES



### Condition Monitoring Services:

- Vibration Analysis and Monitoring
- Infrared Thermography
- Ultrasound Detection
- Acoustic Emission
- Consultation



### Advance Vibration Measurement and Analysis:

- Orbit Plot
- Polar Plot
- Bode Plot
- Piping Vibration Analysis
- Structure Vibration Analysis
- Shaft Centerline
- Operational Deflection Shape
- Modal Analysis



### Maintenance Services:

- In-Situ Balancing
- Precision Laser Alignment
- Structure Analysis
- Verification of online vibration system and sensors



### Training:

- ISO 18436 Vibration Analysis for Category I, II and III
- ISO 18436 Ultrasound for Category I
- Balancing Rotating Machinery Short Course
- Precision Alignment Short Course
- Customized training programs based on customers' needs

### Trading:

- Vibration Analyzer (AVT Reliability, ACOEM)
- Vibration Analysis Hardware (CTC)
- IR Camera (SATIR)



## FIELD OF SERVICES



Oil & GGas

Power Generation

Hydropower Plant

Petrochemical & Oil Refinery



Pipeline

Marine

Manufacturing & Building

## VIBRATION

AFCM offers wide range of vibration products from beginner to expert levels as well as online system.

|                     |   |  |
|---------------------|---|--|
| <b>Manufacturer</b> | <br><b>ACOEM</b>   | <br><b>AVT Reliability</b>  |
| <b>About</b>        | ACOEM/Oneprod is a range of equipment and condition monitoring services for the industrial and energy sectors, ensuring that production facilities are maintained operational at the lowest cost. | AVT Reliability® is a leading provider of a full range of products and services focused on helping industry improve plant reliability and managing their assets. |
| <b>Product(s)</b>   | <ul style="list-style-type: none"> <li>• DEFENDER – Smart Vibration Diagnosis</li> <li>• FALCON – Expert Vibration Analyzer</li> <li>• EAGLE – Online Vibration System</li> </ul>                 | <ul style="list-style-type: none"> <li>• Machine Sentry – Intermediate level of Vibration Analyzer with cloud based software</li> </ul>                          |

## IR THERMOGRAPHY

Affordable IR Thermography camera with equivalent specification of other high spec camera

|                     |  |  |
|---------------------|--|--|
| <b>Manufacturer</b> | <br><b>SATIR</b>   |  |
| <b>About</b>        | SATIR is one of the world's leading civilian thermal imaging system manufacturers focusing on developing, producing, and marketing of infrared cameras.                      |  |
| <b>Product(s)</b>   | <ul style="list-style-type: none"> <li>• D300 – 384 x 288 resolution, 7.5-14 μm</li> <li>• D600 – 640 x 480 resolution, 8-14 μm</li> <li>• Fever screening camera</li> </ul> |  |

## HARDWARE & ACCESSORIES

Variety of vibration hardware and accessories to suits client needs

|                     |  |  |
|---------------------|--|--|
| <b>Manufacturer</b> | <br><b>Connection Technology Center (CTC)</b>  |  |
| <b>About</b>        | CTC offers the widest variety of high quality accelerometer, vibration sensors cables and connectors for industrial use in condition monitoring and predictive maintenance applications. It's an industry leading product portfolio supported by an unconditional lifetime warranty on all CTC Industrial accelerometers and vibration analysis. |  |
| <b>Product(s)</b>   | <ul style="list-style-type: none"> <li>• PRO Line Products - Proximity Probe Kits</li> <li>• TMP Line Products - Test Measurement Kits</li> <li>• Accelerometer and Piezo Velocity Sensors</li> <li>• Cables and Connectors</li> <li>• Mounting Hardware, Junction Boxes &amp; Accessories</li> <li>• 4-20 mA Products</li> </ul>                |  |

## TANDELTA

Oil Monitoring System

|                     |  |  |
|---------------------|--|--|
| <b>Manufacturer</b> | <br><b>TANDELTA</b>  |  |
| <b>About</b>        | Tan Delta Systems Limited is a global leader in real time equipment maintenance status analysis & management, enabling operators to significantly reduce maintenance costs, improve reliability and extend equipment life. |  |
| <b>Product(s)</b>   | <ul style="list-style-type: none"> <li>• Mobile Oil Tester (MOT) Kit</li> <li>• OQSx-G2 Sensor Pack</li> <li>• OQD Express (OQDe)</li> </ul>   |  |



acoem

Condition monitoring installation has never been so easy!!

# FALCON

Smart Portable Solution Condition monitoring has never been so easy!!

## AUTOMATIC CONFIGURATION

Any user can now set up vibration monitoring configurations with no expert assistance: All it takes is a straightforward kinematic description of the machine in the visual tool.

Child's play!

## AUTOMATIC DIAGNOSIS

**FALCON's** built-in automatic diagnosis module provides unbeatably relevant and dependable results.

All faults commonly encountered in industry, such as unbalance, misalignment, defective mountings, looseness, friction, structural resonance, lubrication defects, bearing defects, gear defects, pump cavitation and more, are detected.

Faults are identified in clear and accurate language, and displayed with an associated confidence level. The result, displayed instantaneously, can be understood by all.



### FALCON TAKES THE MYSTERY OUT OF VIBRATION ANALYSIS

The **FALCON** automatic diagnosis Accurex™ engine packs ONEPROD's 30 years of experience in vibration monitoring for condition-based maintenance. Validated in real-life situations and on historical data from numerous companies, **FALCON** automatically detects defective machines, with a reliability close to 100%. Based on vibration symptoms observed on the machine, **FALCON** automatically displays the most likely defect(s).

accurex.com | 3

# EAGLE

## Smart Wireless Solution

### WIRELESS ANYWHERE

**EAGLE** is a self-powered wireless sensor. No cables are needed.

- **Autonomous:** the sensor acquires data with no external intervention
- **Up to five years of unattended operation**
- **Data is transferred wirelessly** to the ONEPROD NEST condition-based maintenance software
- **Expand boundaries:** Use of Wireless Expanders to reach the most isolated machines



### ATTACH AND GO!

**Attach** the sensor to the machine.

**Position** your gateway at an appropriate distance depending on your environment (up to 100 m).

**Add wireless Expanders** to increase the range and turn around obstacles.

**Start** acquisition from your ONEPROD software interface.

**Your data is there, ready for processing!**

### MOVE AND MONITOR!

It is not always feasible to monitor all critical production facilities continuously.

The solution: temporary monitoring

**EAGLE's** ease of deployment means that it is particularly suitable for such cases. Doubts about a machine that isn't monitored? Nothing could be easier: simply move sensors and start monitoring it!

That should give you some new ideas for improving the reliability of your facilities!



### RELIABLE COMMUNICATION

ONEPROD offers a proven smart solution for wireless communication capable of operating alongside other networks used in industry, such as WiFi, Bluetooth and Wireless Hart. The communication quality is guaranteed using smart algorithms to avoid interference with systems in the unit's environment!

**EAGLE** uses the 802.15.4 protocol which guarantees safe conditions for people, facilities, and security of data.




# Machine Defender

Maximize Machine Life & Optimize Machine Performance

## Accurex™ Automatic Diagnostic

The Acoem Machine Defender's unique automatic machine diagnostic Accurex™ is built into the system. The patented machine diagnostics feature provides unbeatable, fast, relevant and reliable results for a wide range of machine problems such as unbalance, alignment errors, cavitation, structural resonance, bearing problems and more.



-  No action required
-  Monitoring required and/or action conceivable during scheduled shutdown
-  Action to be scheduled as soon as possible

## Faults managed by the patented ACOEM Accurex™

- |   |  |
|---|--|
|  Bearing / Lubrication |  Gear wear  |
|  Unbalance             |  Shocks/modulation resulting from looseness or electrical defects |
|  Misalignment          |  Other ISO defect (Soft foot, Belt wear, Nearby disturbance)      |
|  Structural resonance  |  Suspicious machine   |
|  Pump Cavitation       |  |

**MACHINE  
SENTRY®**

# MSM-1 - Mobile

Experience What's Possible



- Flexible condition monitoring system with vibration analysis, process parameters, visual inspection, thermography and oil analysis capabilities
- Turn any Android™ tablet or smartphone into a powerful condition monitoring data collector
- ADA™ Automated Diagnostic Assistant can predict stage 2, 3 and 4 bearing failures and detect a wide range of other common fault conditions
- Bluetooth® 3-axis vibration and temperature sensor
- Available with ATEX and IECEx certification

[www.machinesentry.com](http://www.machinesentry.com)

## Machine Sentry®

Machine Sentry®, a unique cost effective Condition Based Maintenance (CBM) solution that integrates all CM techniques and data, to enable effective maintenance planning and management reporting.

### Benefits

- Suits the needs of both expert and novice users
- Up to 5 times faster than other condition monitoring systems
- Can be used either as a standalone tool or alongside an existing enterprise system (e.g. SAP, Maximo, PEMAC, etc.)
- Access to world leading condition monitoring engineers – providing detailed diagnosis and advice
- Easily configurable and scalable solution for future expansion



### Typical applications

- Routine predictive maintenance
- Bad actor identification
- Critical asset management



“ Machine Sentry® provides Condition Monitoring solutions for many blue chip clients, on hundreds of sites. ”

**SATIR**

SATIR Europe was founded in 2008 in Ireland, strategically located in Co. Louth to export products across Europe and the world. SATIR Europe is a manufacturer of thermal cameras and suppliers of equipment who has partners across the world. We offer quality products with excellent after-sales support to all our partners & end-users.

Select product range ▾



SATIR D300



SATIR D600



JKZ365 | Process Control



# CTC

CONNECTION TECHNOLOGY CENTER



SHORT FORM CATALOG



CTC offers a complete line of industrial accelerometers. Our ruggedized industrial accelerometers are available in single axis, biaxial, and triaxial designs. Many configurations allow for either top or side exit options. Side exit configurations are suitable for installations in areas where height is an issue. CTC's industrial accelerometers support a diverse set of applications with sensitivity values ranging from 10 mV/g to 1000 mV/g. Dual output configurations allow for vibration and temperature outputs.

### Multipurpose Accelerometer, Top Exit



STANDARD SIZE



COMPACT SIZE



MINI SIZE

### Multipurpose Accelerometer, Side Exit



STANDARD SIZE



COMPACT SIZE



MINI SIZE



Backed by our Unconditional Lifetime Warranty!

[www.ctconline.com](http://www.ctconline.com)

585-924-5900

# TAN DELTA SYSTEMS LTD

REAL-TIME EQUIPMENT MONITORING



## Tan Delta Systems Limited

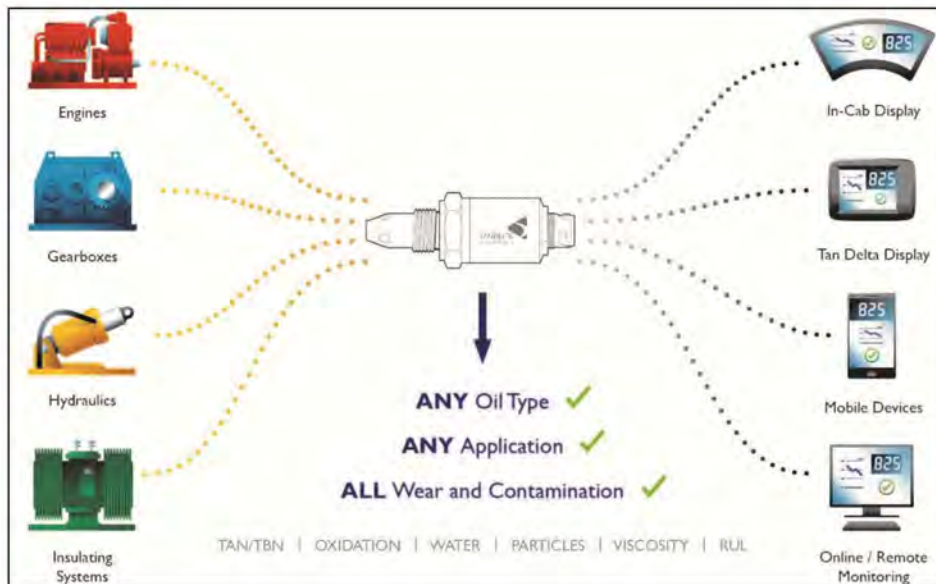
### Summary Application Note



OQSx-G2  
FSH™ Oil Condition Analysis Sensor

Tan Delta Systems Limited is a global leader in real time equipment maintenance status analysis and management, enabling operators to significantly reduce maintenance costs, improve reliability and extend equipment life. Our real time oil condition analysis technologies (FSH™) analyse the electro-chemical properties of oil in real time, detecting all and any changes and failure modes, to reliably tell you when your equipment needs maintenance either due to normal operating wear, or due to an unseen fault or contamination.

Our systems are easily fitted to any equipment and integrate and optimise your existing maintenance programs. This ensures the benefits are easily and quickly obtained.





**VIBRATION ANALYSIS**

**VCAT-I Junior Vibration Analyst (ISO 18436-2 Category I)**

Learn to be an effective vibration technician—capable of collecting quality data, and performing basic analysis and data validation—with advanced 3D animations and interactive simulations that make everything easy to understand.

**VCAT-II Intermediate Vibration Analyst (ISO 18436-2 Category II)**

Learn to be an effective vibration analyst - capable of diagnosing a wide range of faults, conducting special tests, and performing precision aligning and balancing machinery – with advanced 3D animations and interactive simulations that make everything easy to understand.

**VCAT-III Senior Vibration Analyst (ISO 18436-2 Category III)**

Learn to be an effective vibration leader and master analyst - capable of managing the condition monitoring program, diagnosing the widest range of fault conditions, verifying and correcting resonance problems, performing complex balancing machinery - with advanced 3D animations and interactive simulations that make everything easy to understand.

**ULTRASOUND**

**UCAT-I Ultrasound Analysis (ISO 18436-8 Category I)**

Learn to be a confident and effective ultrasound technician - capable of diagnosing faults, detecting costly steam and air leaks, and precision lubricating bearings - with advanced 3D animations and interactive simulations that make everything easy to understand.

**BALANCING**

**Balancing Rotating Machinery (Precision Maintenance Short Course)**

Learn how to recognize unbalance and set up the balance job for a successful balance. The course starts with the basics - providing an introduction to vibration, phase and vectors, and fully explaining the balancing process.

**ALIGNMENT**

**Precision Shaft Alignment (Precision Maintenance Short Course)**

Learn how to recognize misalignment and successfully set up the alignment job, perform the alignment and move the machine.

## AFCM EXPERIENCES (AS TRAINER)

| No. | Training Details  | Training Venue  | Client Name                    |
|-----|---|---|--------------------------------|
| 1   | ISO 18436 Category II – Intermediate Vibration Analysis Training  | AFCM Training Centre  | UNIKL-MITEC                    |
| 2   | Basic Vibration Analysis and Understanding the Use of S1 Platform | Power Plant in Lahore, Pakistan                             | TNB Lahore, Pakistan           |
| 3   | Vibration Analysis Induction Training                             | Sunway Tower, Kuala Lumpur                                  | Icon Ship Management Sdn Bhd   |
| 4   | ISO 18436 Category II – Intermediate Vibration Analysis Training  | Stesen Janakuasa Patau- Patau, Labuan                       | Sabah Electricity Sdn Bhd      |
| 5   | ISO 18436 Category I – Basic Vibration Analysis Training          | Oadis Plaza, Nigeria  | Kistal Equipment Supplies Ltd. |
| 6   | ISO 18436 Category II – Intermediate Vibration Analysis Training  | Hotel Jen Harbour, Johor Bahru<br>of Kuala Lumpur, Malaysia | DYSON                          |
| 7   | ISO 18436 Category II – Intermediate Vibration Analysis Training  | Uniten Bangi  | TNB IIsas                      |
| 8   | ISO 18436 Category I – Basic Vibration Analysis Training          | UniKL MFI   | UNIKL - MFI                    |
| 9   | ISO 18436 Category II – Intermediate Vibration Analysis Training  | KEV Training Centre   | Kapar Energy Ventures          |
| 10  | ISO 18436 Category II – Intermediate Vibration Analysis Training  | PCSB, Eastwood, Miri  | Petronas Carigali Sdn Bhd      |



**MOBIUS INSTITUTE**

15/5 Franklin Hillmeri Road, Tyabb, Victoria, 3913, Australia

[www.mobiusinstitute.com](http://www.mobiusinstitute.com)

# AFCM PROJECT EXPERIENCES (CBM SERVICES)



| No. | Project Title/ Description  | Industry               | Client Name                                | Location  | Year        |
|-----|---|------------------------|--|---|-------------|
| 1   | IR Thermography and Ultrasonic Scanning services on Pencawang Elektrik, Pencawang Masuk Utama (PMU), Pencawang Pembahagi Utama (PPU), Stesen Suis Utama (SSU), High Voltage and Low Voltage Overhead Cables for TNBD Distribution | Energy                 | Tenaga Nasional Berhad                     | TNBD Kuala Lumpur, Selangor, Melaka, Negeri Sembilan, Perak | Ongoing     |
| 2   | The Provision of Cloud Based Condition Monitoring Program for FSO BENCHAMAS 2 and MAMPU 1   | Shipping               | MISC Berhad                                | MISC  | Ongoing     |
| 3   | MPP & KVDT Pump Condition Monitoring and Instrument Calibration Services  | Oil & Gas              | PS Pipeline Sdn Bhd                        | MPP & KVDT Plants   | Ongoing     |
| 4   | Main Plant Vibration Analysis at Ulu Jelai Power Station  | Energy                 | Tenaga Nasional Berhad                     | Ulu Jelai Power Station                                     | 2019 - 2021 |
| 5   | One (1) Year Contract Thermography & Vibration Analysis of Auxiliaries Equipment for Hydro Plants   | Energy                 | Tenaga Nasional Berhad                     | TNB Hydro Plants  | 2019 - 2020 |
| 6   | Vibration Measurement and Analysis  | Manufacturing          | Kajima (Malaysia) Sdn. Bhd.                | Plant 2, Shin-Etsu (M) Sdn Bhd                              | 2020        |
| 7   | Condition Monitoring Project (Vibration Analysis, Ultrasound Scanning & Thermography Inspection)  | Shipping               | Port of Tanjung Pelepas                    | Tg Pelepas, Johor   | 2019        |
| 8   | Condition Monitoring (Vibration Measurement & Analysis, Ultrasound, IR Thermography)  | Shipping               | Icon Ship Management Sdn Bhd               | Icon Valiant  | 2019        |
| 9   | Vibration Measurement & Analysis and Ultrasound for 105 units of Rotating Machines  | Chemical               | W.R. Grace Specialty Chemicals (M) Sdn Bhd | Gebeng, Pahang  | 2019        |
| 10  | To Determine Passing Valves in Condensates, Feed Water and Steam Cycle at Unit 1 JEV Power Plant Using Ultrasound Method  | Operation & Management | Jimah O&M Sdn Bhd                          | JEV Power Plant   | 2018        |
| 11  | FIV & AIV Analysis Study  | Oil & Gas              | MMC Oil & Gas Engineering Sdn Bhd          | Beryl Line & Kinarut ERB West                               | 2018        |
| 12  | Infrared Thermography Services on Compression Moulding and Injection moulding Machines  | Factory                | Hin Getah (M) Sdn Bhd                      | Kepong  | 2018        |
| 13  | To Perform Vibration Measurement and Analysis for Blow Fan PN4140, and Motor Current Analysis   | Chemical               | W.R. Grace Specialty Chemicals (M) Sdn Bhd | Gebeng, Pahang  | 2018        |
| 14  | Vibration Measurement and Analysis for Unit 1, 2, 3 & 4   | Energy                 | Tenaga Nasional Berhad                     | TNB Hidro Setesen Janakuasa Kenyir                          | 2018        |
| 15  | Vibration Measurement and Analysis for Cooling Water Pump Unit 1A and 1B  | Energy                 | Pahlawan Power Sdn Bhd                     | Stesen Janakuasa Elektrik Tanjong Kling                     | 2018        |
| 16  | LTSA 2 + 1 Years for the Vibration Sensor Systems Verification, Calibration and Loop Check  | Energy                 | Kapar Energy Ventures Sdn Bhd              | Sultan Salahuddin Abdul Aziz Power Station, Kapar           | 2016 - 2018 |
| 17  | Vibration Analysis for One Unit of Gas Turbine, GT23  | Energy                 | Malakoff Power Berhad                      | Lumut Power Plant   | 2017        |
| 18  | Provision of Service to Perform In-Situ Balancing for 2 Units 6.6kV 610kW BFWP Motor Rotor  | Energy                 | Kimanis O&M Sdn Bhd                        | Kimanis Power Plant   | 2017        |
| 19  | Vibration Measurement & Analysis, Vibration Sensor Verification & Loop Test Check on Hydro Turbine Unit 2   | Energy                 | TNB Hidro Sdn Bhd                          | TNBH SJ Sg Perak  | 2017        |
| 20  | Vibration Measurement & On-Site Balancing   | Energy                 | Tenaga Nasional Berhad                     | Stesen Janaelektrik Sg Piah, Sg Siput                       | 2017        |

## AFCM PROJECT EXPERIENCES (CBM SERVICES)



| No. | Project Title/ Description   | Industry    | Client Name  | Location  | Year      |
|-----|--|-------------|--|---|-----------|
| 21  | Pre & Post Vibration Measurement & Analysis for Unit 2   | Energy      | Tenaga Nasional Berhad   | Stesen Janaelektrik Sultan Ismail Petra, Pergau | 2017      |
| 22  | Vibration Measurement and Analysis for Unit 3 & 4  | Energy      | TNB Hidro Sdn Bhd  | TNBH SJ Kenyir                                  | 2017      |
| 23  | CBM activities such as vibration analysis, thermography inspection, gas leak inspection (GLOC), acoustic emission valve inspection and lube oil analysis | Oil & Gas   | PETRONAS Carigali, Sabah Operation   | Sabah Operation                                 | 2013-2016 |
| 24  | Carried Out Valve Acoustic Inspection  | Oil & Gas   | Sabah SHELL Petroleum Company Limited & Sarawak SHELL Berhad                 | Sabah & Sarawak SHELL Operations                | 2013-2016 |
| 25  | Vibration Measurement & Analysis   | Energy      | SPR Energy (M) Sdn Bhd   | Kimanis Plant                                   | 2016      |
| 26  | Provision of Vibration Measurement and Analysis Services for Boiler Feed Water Pump  | Energy      | Kimanis O&M Sdn Bhd  | Kimanis Power Plant                             | 2016      |
| 27  | Motor Vibration Analysis   | Agriculture | Behn Meyer AgriCare (M) Sdn Bhd  | POIC, Lahad Datu                                | 2015      |
| 28  | Flow Induced Vibration for Booster Compression Module  | Oil & Gas   | MMC Oil & Gas Engineering Sdn Bhd  | Sepat WIM & CO2                                 | 2015      |
| 29  | Carried out ODS for blower K-1321 and pump P-21209B, complete with findings and recommendation.  | Oil & Gas   | Malaysian Refining Company Sdn Bhd c/o PETRONAS Penapisan (Melaka) Sdn. Bhd. | PETRONAS Penapisan (Melaka)                     | 2015      |
| 30  | Vibration Measurement on Existing 36" GRE Pipeline at Regasification Gas Terminat (RGT)  | Oil & Gas   | Gatom Engineering & Services (M) Sdn Bhd                                     | RGT Sg Udang                                    | 2014      |

## AFCM PROJECT EXPERIENCES (PRODUCT SUPPLY)



| No. | PO No.         | Project Title/ Description  | Client Name                               | Year                            |
|-----|----------------|---|---|---------------------------------|
| 1   | 4500596212     | The Provision of Cloud Based Condition Monitoring Program for FSO BENCHAMAS2 and MAMPU1 | MISC Berhad                               | Ongoing                         |
| 2   | 2019000287     | Supply Vibration Sensors and Accessories  | PS Pipeline Sdn Bhd                       | 15 <sup>th</sup> May 2020       |
| 3   | PO1100219288   | Supply Vibration Sensors and Accessories  | KVC Industrial Supplies Sdn Bhd           | 8 <sup>th</sup> October 2019    |
| 4   | 2019-254.chw   | Supply High Frequency Triaxial Accelerometer  | BMA Engineering Sdn Bhd                   | 26 <sup>th</sup> July 2019      |
| 5   | 429400925      | Supply Machine Sentry Software License  | GE Power Solutions (M) Sdn Bhd            | 27 <sup>th</sup> February 2019  |
| 6   | 429400714      | Supply Machine Sentry Vibration Analyzer  | GE Power Solutions (M) Sdn Bhd            | 10 <sup>th</sup> April 2018     |
| 7   | 2018-007.chw   | Supply Vibration Jacketed Cable   | BMA Engineering Sdn Bhd                   | 26 <sup>th</sup> February 2018  |
| 8   | PO-1750        | Supply Vibration Sensor Coiled Cable  | Serba Dinamik Sdn Bhd                     | 21 <sup>st</sup> February 2018  |
| 9   | VSF-AFCM001-17 | Supply and Install Vibration Sensors for Cooling Tower                                  | Vimplex Engineering & Trading (M) Sdn Bhd | 12 <sup>th</sup> September 2017 |
| 10  | 3620274924     | Supply Programming Installer Notebook, and PELI 1170 Waterproof Case                    | PETRONAS Carigali Sdn Bhd (Sabah)         | 11 <sup>th</sup> November 2016  |
| 11  | 23951          | Supply Vibration Analyzer (Pruftechnic Vibration Analyzer / Data Collector              | UniKL – MFI, Bangi                        | 11 <sup>th</sup> October 2016   |

## AWARDS AND CERTIFICATIONS

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### Awards:

- Petronas Vendor Report Card
- Sijil Vendor Pilihan TNB
- Achievement Award by KEV
- Energy Innovator Trophy 2019

### Certifications:

- Sijil Akuan Pendaftaran Syarikat
- QMS ISO 9001:2015
- Pembekal dan Kontraktor TNB
- Surat Lantikan Usahawan TNB
- Petronas License
- Sijil Kontraktor KEV
- HRDF Training Provider
- MOBIUS Authorized Training Centre

## VENDOR'S REPORT CARD

OVERALL SCORE

**B**

**VENDOR** : AF CONDITION MONITORING (M) SDN BHD

| No. | Contract No.          | Contract Title   | Rating    |           | PCSB Contact Person                                |
|-----|-----------------------|--|-----------|-----------|--|
|     |                       |  | Jan – Jun | Jul – Dec |  |
| 1   | CHO/2013/SKO-BRM/0002 | PROVISION OF CONDITION BASED MONITORING (CBM) SERVICES FOR PETRONAS CARIGALI SDN BHD - SARAWAK, SABAH AND PENINSULAR MALAYSIA OPERATIONS (PACKAGE III) | B         | B         | Sharizan B Ramli<br>sharizan.ramli@petronas.com.my |

### APPENDIX 1.1 : Petronas Vendor's Report Card

PETRONAS  
CARIGALI





# FOCUSED RECOGNITION

I want to recognise AFCM TEAM for demonstrating

|  |                                  |   |
|--|----------------------------------|---|
| <input checked="" type="checkbox"/> Results Matter | <input type="checkbox"/> Own it! | <input checked="" type="checkbox"/> Focused Execution |
| <input type="checkbox"/> Nurture Trust             | <input type="checkbox"/> Tell Me | <input type="checkbox"/> Shared Success               |

in the following manner:

Rectify vth issue IG Fan @ Bul

By doing this, you have positively impacted the following key result(s):

reduce the possibility of any incident and Asset integrity in top condition OIM Bul / CSR

Given by

Date

© 2016 PETROLIAM NASIONAL BERHAD (PETRONAS)

## APPENDIX 1.2 : Petronas Vendor's Report Card

# PETRONAS CARIGALI





# SIJIL PELANTIKAN

## VENDOR PILIHAN

DENGAN INI :

**A.F. CONDITION MONITORING SDN. BHD.**  
(318985-V)

DILANTIK SEBAGAI

**VENDOR PILIHAN**

*CONDITION MONITORING* UNTUK STESEN JANA KUASA  
TENAGA NASIONAL BERHAD

UNTUK TEMPOH LIMA (5) TAHUN  
(APRIL 2009 HINGGA APRIL 2014)

TERTAKLUK KEPADA SYARATSYARAT SURAT PELANTIKAN

**Dato' Sri Che Khalib Mohamad Noh**  
PRESIDEN / KETUA PEGAWAI EKSEKUTIF

**APPENDIX 2 : Tenaga Nasional Berhad Vendor Pilihan Award**

*Better. Brighter.*



# *Sijil Penghargaan*

*Pencapaian Prestasi Tahap 1  
(Kategori Perkhidmatan)*

**“TERBAIK”**

Adalah dengan ini diperakui bahawa

**AF CONDITION MONITORING (M) SDN BHD**

15-1 JALAN KENANGA SD 9/4,  
BANDAR SRI DAMANSARA  
52200 KUALA LUMPUR

Telah Mencapai Tahap Prestasi Di atas  
Dalam Memberikan Perkhidmatan kepada  
Kapar Energy Ventures Sdn Bhd  
Sepanjang Tahun Kewangan 2016.

**IR.HJ RADIN MOHD BADRUZ ZAMAN**  
Ketua Pegawai Eksekutif  
Kapar Energy Ventures Sdn Bhd.

Tarikh : 25-Mei-2017

No.Siri: KEV002/2017

**APPENDIX 2 : Kapar Energy Venture Appreciation Award**

KAPAR ENERGY

**CV**  
MAGAZINE  
ENERGY INNOVATOR  
AWARDS 2019

This is to certify that:



AF Condition Monitoring (M) Sdn Bhd

Have Been Named:

Best Plant Condition Monitoring  
Contractor - Malaysia

**CERTIFICATE**

Jane Henderson  
Director  
AI Global Media Ltd



**APPENDIX 3 : CV Magazine Award**



**KEMENTERIAN KEWANGAN MALAYSIA**  
**SIJIL AKUAN PENDAFTARAN SYARIKAT**

NO. SIJIL : K60113276832837132  
NO. RUJUKAN PENDAFTARAN : 357-02002693  
TEMPOH SAH LAKU : 26/02/2021 - 19/03/2024

Bahawa dengan ini diperakui syarikat :

A.F. CONDITION MONITORING (M) SDN. BHD. ( 318985-V )  
15-1, JALAN KENANGA SD 9/4  
BANDAR SRI DAMANSARA  
W.P. KUALA LUMPUR  
52200 PETALING JAYA  
WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

Telah berdaftar dengan Kementerian Kewangan Malaysia dalam bidang bekalan/perkhidmatan di bawah sektor, bidang dan sub-bidang seperti di Lampiran A. Kelulusan ini adalah tertakluk kepada syarat-syarat seperti yang dinyatakan di Lampiran B. Individu yang diberi kuasa oleh syarikat bagi urusan perolehan Kerajaan adalah seperti berikut :

|                                  |              |                   |
|----------------------------------|--------------|-------------------|
| ENCIK AHMAD FAWZAL BIN MOHD NOOR | 550829105733 | MANAGING DIRECTOR |
| PUAN SARA BINTI DALIP            | 541222045274 | GENERAL MANAGER   |

t.t

**DATO' ZAMZURI BIN ABDUL AZIZ**  
Perbendaharaan Malaysia Semenanjung  
b.p. Ketua Setiausaha Perbendaharaan  
Kementerian Kewangan Malaysia

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 26/02/2021

(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)

**APPENDIX 4.1 : Sijil Akuan Pendaftaran Syarikat**

NO SIJIL : K60113276832837132  
 NO RUJUKAN PENDAFTARAN : 357-02002693  
 TEMPOH SAH LAKU : 26/02/2021 - 19/03/2024

| BIL | TARIKH DAFTAR BIDANG | KOD BIDANG | KETERANGAN  | STATUS |
|-----|----------------------|------------|---|--------|
| 1   | 25/02/2021           | 010601     | PENERBITAN DAN PENYIARAN/ PERALATAN PENDIDIKAN DAN LATIHAN/ KIT PENDIDIKAN  | Aktif  |
| 2   | 25/02/2021           | 010602     | PENERBITAN DAN PENYIARAN/ PERALATAN PENDIDIKAN DAN LATIHAN/ BAHAN PENDIDIKAN  | Aktif  |
| 3   | 25/02/2021           | 060501     | KIMIA, BAHAN KIMIA DAN PERALATAN MAKMAL/ PERALATAN MAKMAL/ PERALATAN MAKMAL SERTA AKSESORI  | Aktif  |
| 4   | 25/02/2021           | 100101     | PERALATAN SUKATAN DAN UKURAN/ PERALATAN SUKATAN DAN UKURAN/ SEMUA PERALATAN SUKATAN/UKURAN  | Aktif  |
| 5   | 25/02/2021           | 130101     | PERALATAN KEJURUTERAAN DAN MESIN PENGELUARAN/ MESIN, KELENGKAPAN BENGKEL DAN MESIN PENGELUARAN/ MESIN DAN KELENGKAPAN BENGKEL   | Aktif  |
| 6   | 25/02/2021           | 130201     | PERALATAN KEJURUTERAAN DAN MESIN PENGELUARAN/ JANAKUASA ELEKTRIK DAN PERALATAN GENERATOR/ALAT GANTI DAN BATERI/ JANAKUASA,PERALATAN/ALAT GANTI/AKSESORI(SECONDARY)                | Aktif  |
| 7   | 25/02/2021           | 130202     | PERALATAN KEJURUTERAAN DAN MESIN PENGELUARAN/ JANAKUASA ELEKTRIK DAN PERALATAN GENERATOR/ALAT GANTI DAN BATERI/ MESIN DAN KELENGKAPAN KHUSUS                                      | Aktif  |
| 8   | 25/02/2021           | 130401     | PERALATAN KEJURUTERAAN DAN MESIN PENGELUARAN/ PERALATAN PERINDUSTRIAN MINYAK/ PERALATAN PERINDUSTRIAN HULUAN  | Aktif  |
| 9   | 25/02/2021           | 130402     | PERALATAN KEJURUTERAAN DAN MESIN PENGELUARAN/ PERALATAN PERINDUSTRIAN MINYAK/ PERALATAN PERINDUSTRIAN HILIRAN   | Aktif  |
| 10  | 25/02/2021           | 140101     | PERALATAN KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK/ MESIN DAN JENTERA PENJANAAN DAN PENGAGIHAN TENAGA ELEKTRIK SERTA AKSESORI/ MOTOR DAN ALATUBAH/ALATGANTI                           | Aktif  |
| 11  | 25/02/2021           | 140201     | PERALATAN KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK/ STESEN JANAKUASA ELEKTRIK DAN PERALATAN GENERATOR/ALAT GANTI DAN BATERI/ STESEN JANAKUASA, PERALATAN/ALAT GANTI/AKSESORI(PRIMARY) | Aktif  |
| 12  | 25/02/2021           | 140301     | PERALATAN KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK/ KABEL, WAYAR ELEKTRIK DAN AKSESORI/ KABEL ELEKTRIK DAN AKSESORI   | Aktif  |
| 13  | 25/02/2021           | 220502     | PERKHIDMATAN/ PENYELENGGARAAN/PEMBAIKAN KEJURUTERAAN DAN KOMUNIKASI/ KONTENA/TANGKI   | Aktif  |
| 14  | 25/02/2021           | 220503     | PERKHIDMATAN/ PENYELENGGARAAN/PEMBAIKAN KEJURUTERAAN DAN KOMUNIKASI/ PERKAKAS/SISTEM ELEKTRIK   | Aktif  |
| 15  | 25/02/2021           | 220507     | PERKHIDMATAN/ PENYELENGGARAAN/PEMBAIKAN KEJURUTERAAN DAN KOMUNIKASI/ PUMP/PAIP AIR DAN KOMPONEN   | Aktif  |
| 16  | 25/02/2021           | 220601     | PERKHIDMATAN/ PENYELENGGARAAN/PEMBAIKAN PERALATAN/KELENGKAPAN PERUBATAN DAN MAKMAL/ ALAT KELENGKAPAN HOSPITAL/MAKMAL  | Aktif  |
| 17  | 25/02/2021           | 221110     | PERKHIDMATAN/ GUNA TENAGA/ KHIDMAT LATIHAN,TENAGA PENGAJAR DAN MODERATOR/NEGOTIATOR   | Aktif  |
| 18  | 25/02/2021           | 222601     | PERKHIDMATAN/ PERKHIDMATAN KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK/ AKUSTIK DAN GELOMBANG  | Aktif  |

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 26/02/2021

### APPENDIX 4.2 : Sijil Akaan Pendaftaran Syarikat



## KEMENTERIAN KEWANGAN MALAYSIA

### SIJIL AKUAN PENDAFTARAN SYARIKAT BUMIPUTERA

NO. SIJIL : BP60113276832837132  
NO. RUJUKAN PENDAFTARAN : 357-02002693  
TEMPOH SAH LAKU : 26/02/2021 - 19/03/2024

Bahawa dengan ini diperakui syarikat :

A.F. CONDITION MONITORING (M) SDN. BHD. ( 318985-V )  
15-1, JALAN KENANGA SD 9/4  
BANDAR SRI DAMANSARA  
W.P. KUALA LUMPUR  
52200 PETALING JAYA  
WILAYAH PERSEKUTUAN KUALA LUMPUR, MALAYSIA

Telah diiktiraf sebagai Syarikat Bumiputera oleh Kementerian Kewangan Malaysia. Taraf Bumiputera bukannya hak dan boleh ditarik balik sekiranya syarikat gagal mematuhi syarat/kriteria yang ditetapkan. Kelulusan ini adalah tertakluk kepada syarat-syarat seperti yang dinyatakan di Sijil Akuan Pendaftaran Syarikat Bumiputera (Lampiran C).

t.t

DATO' ZAMZURI BIN ABDUL AZIZ

Perbendaharaan Malaysia Semenanjung  
b.p. Ketua Setiausaha Perbendaharaan  
Kementerian Kewangan Malaysia

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 26/02/2021

(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)

**APPENDIX 4.3 : Sijil Akuan Pendaftaran Syarikat**



# CERTIFICATE



SIRIM QAS International hereby certifies that

**AF CONDITION MONITORING (M) SDN. BHD.**  
**15-1, JALAN KENANGA SD 9/4**  
**BANDAR SRI DAMANSARA**  
**52200 KUALA LUMPUR**  
**WILAYAH PERSEKUTUAN**  
**MALAYSIA**



has implemented a Quality Management System complying with



**ISO 9001:2015**

*QUALITY MANAGEMENT SYSTEMS – Requirements*

Scope of Certification



**SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND  
ENGINEERING SERVICES (INSPECTION, DIAGNOSTIC,  
CONSULTANCY & TRAINING) RELATED TO MECHANICAL AND  
ELECTRICAL CONDITION BASED MONITORING.**

Issue date : **16 July 2021**

Original certification date : **01 July 2009**

Expiry date : **30 June 2024**

Certificate no. : **QMS 02032**



**SIRIM QAS INTERNATIONAL SDN. BHD.**  
(Co. No. 410334 - x)  
1, Persiaran Dato Menteri  
Section 2, P.O. Box 7035  
40700 Shah Alam  
Selangor Darul Ehsan  
MALAYSIA  
Tel : 06-3-55446404  
Fax : 06-3-55446787  
<http://www.sirim-qas.com.my>  
<http://www.malaysiancertified.com.my>

**Nur Fadhilah binti Muhammad**  
Chief Executive Officer  
SIRIM QAS International Sdn. Bhd.

This certificate is granted subject to the terms and conditions as stated in the Certification Agreement.

*APPENDIX 5.1 : QMS ISO 9001:2015*



## CERTIFICATE

SIRIM QAS International Sdn. Bhd. has issued an IQNet recognized certificate that the organization:

**AF CONDITION MONITORING (M) SDN. BHD.**  
15-1, JALAN KENANGA SD 9/4  
BANDAR SRI DAMANSARA  
52200 KUALA LUMPUR  
WILAYAH PERSEKUTUAN  
MALAYSIA

has implemented and maintains a

### QUALITY MANAGEMENT SYSTEM

for the following scope:

SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND ENGINEERING SERVICES  
(INSPECTION, DIAGNOSTIC, CONSULTANCY & TRAINING) RELATED TO MECHANICAL AND  
ELECTRICAL CONDITION BASED MONITORING.

which fulfils the requirements of the following standard:

### ISO 9001:2015

Issued on : 16 July 2021  
First issued on : 01 July 2009  
Expires on : 30 June 2024

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as  
a stand-alone document

Registration Number : **MY - QMS 02032**



  
**Alex Stoichitoiu**  
President of IQNet

  
**Nur Fadhilah binti Muhammad**  
Chief Executive Officer  
SIRIM QAS International Sdn Bhd



#### **IQNet Partners\***

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISO Italy  
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA  
FCAV Brazil FONDONORMA Venezuela ICONTEC Colombia Inspecta Sertifiointi Oy Finland INTECO Costa Rica  
IRAM Argentina JQA Japan KFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland  
NYCE-SIGE Mexico PCBC Poland Quality Austria Austria RR Russia SII Israel SIQ Slovenia  
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

\* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)

### APPENDIX 5.2 : QMS ISO 9001:2015



**TENAGA NASIONAL**  
BERHAD

*Dengan ini disahkan bahawa*

**A. F. CONDITION MONITORING (M) SDN. BHD.**  
**15-1, JALAN KENANGA SD 9/4**  
**BANDAR SRI DAMANSARA**  
**52200 , KUALA LUMPUR , WILAYAH PERSEKUTUAN**

*Telah berdaftar dengan Tenaga Nasional Berhad sebagai*  
**Pembekal & Kontraktor Perkhidmatan**  
*di bawah kategori yang tercatat dalam sijil ini*

\*\*\*\*\*  
010601, 010602, 060501, 100101, 130101, 130201, 130202, 130401, 130402, 140101,  
140201, 140301, 220502, 220503, 220507, 220601, 221110, 222601\*\*\*

\*\*\*\*\*  
**BUTIR-BUTIR PENDAFTARAN**

|                               |   |                               |
|-------------------------------|---|-------------------------------|
| NO PENDAFTARAN TNB            | : | 3003021                       |
| NO PENDAFTARAN SYARIKAT       | : | 318985V                       |
| NO SIJIL KEMENTERIAN KEWANGAN | : | K60113276832837132            |
| TEMPOH SAHLAKU SEHINGGA       | : | 19.03.2024                    |
| TARAF                         | : | BUMIPUTERA                    |
| LAIN-LAIN PENDAFTARAN         | : | PPK0000 /2021, PPK0000 /2021. |

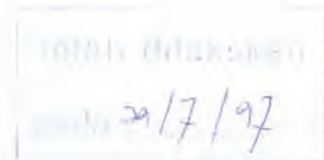
*Tarikh tempoh sahlaku pendaftaran ini adalah tertakluk kepada tempoh sahlaku Pendaftaran sijil-sijil Kementerian Kewangan(KK), Lembaga Pembangunan Industri Pembinaan Malaysia (CIDB) dan sijil-sijil professional yang berkaitan.*

**Amir Mahmod bin Abdullah**  
**Ketua Pegawai Perolehan**  
**Bahagian Procurement & Supply Chain**  
**Tenaga Nasional Berhad**

**Tarikh kelulusan : 10.03.2021**

*Ini adalah cetakan komputer dan tidak memerlukan tandatangan.*

**APPENDIX 6 : Pembekal dan Kontraktor TNB**



Ruj. Kami : TN/PER 16/11/11 (PU 261)  
Ruj. Tuan :  
Tarikh : 28<sup>th</sup> Julai 1997  
23 Rabiulawal 1418H  
Kepada : En.Ahmad Fawzai Mohd Noor  
AF CONDITION MONITORING (M) SDN.BHD.  
No.19-2, Jalan Cempaka SD 12/1,  
Bandar Sri Damansara, 52200 Kuala Lumpur.  
Fax No.: 03-633 4080

**PERKARA PROGRAM PEMBANGUNAN USAHAWAN TNB  
BAGI KERJA-KERJA DAN PERKHIDMATAN  
(CONDITION MONITORING SERVICES FOR TENAGA NASIONAL  
BERHAD PLANTS AND FACILITIES)**

Makluman : Sukacita dimaklumkan bahawa tuan dilantik sebagai Usahawan Kerja-kerja dan Perkhidmatan di bawah Program Pembangunan Usahawan Tenaga Nasional Berhad

Tempoh Perlantikan : Perlantikan tersebut akan dilaksanakan untuk tempoh lima (5) hingga sepuluh (10) tahun akan datang.

Projek Untuk Perlaksanaan : Projek-projek akan dikenalpasti untuk dilaksanakan oleh tuan.

Kerjasama : Dalam tempoh tersebut, Tenaga Nasional Berhad mengharapkan kerjasama dari syarikat tuan bagi menjayakan program ini.

Sekian, dimaklumkan.

Terima kasih.

(Haji Abdul Aziz bin Ismail)  
PENOLONG PENGURUS BESAR  
(PEMBANGUNAN USAHAWAN)  
JABATAN PERKHIDMATAN PEROLEHAN  
TENAGA NASIONAL BERHAD.

SPU/Wibawa

Ibu Pejabat, No. 129, Jalan Bangsar, Pet. Surat 11003, 50732 Kuala Lumpur  
Tel: 03-2825566, 03-2822121. Telegram "TRANG". Telex: TRANG MA 30426 & ELELEN MA 33714. Fax: 2826754.

**APPENDIX 7: Surat Lantikan Usahawan TNB**



## LICENSE TO SUPPLY PRODUCT/SERVICE TO EXPLORATION AND OIL/GAS COMPANIES IN MALAYSIA

In exercising the powers conferred by Section 7, Petroleum Development Act 1974 and in accordance to Regulation 5 of the Petroleum Regulation 1974, delegated to me by the Prime Minister of Malaysia, I hereby issue the license under Regulation 3 of the Petroleum Regulation for the purpose of the above to:

Certificate generated at: 10.12.2021

A.F. CONDITION MONITORING (M) SDN. BHD. (318985V)  
UNIT 803, TINGKAT 8, BLOCK E, PHILEO DAMANSARA 1, JALAN 16/11 OFF JALAN DAMANSARA, 46350 PETALING JAYA, SELANGOR,

Details of License are as follows:

|                               |  |
|-------------------------------|--|
| Company's No                  | : 318985V  |
| Type of Company               | : License  |
| Duration of License           | : 02.08.2021 - 02.09.2024                              |
| License Fee                   | : RM 750.00  |
| Categories of Product/Service | : As attached in 'CATEGORIES OF LICENSE/REGISTRATION'. |

Special Conditions impose onto this license:-

Subject to the special conditions as attached.

General requirements of this License are as stated in the next page.

Reminder: License Must Apply For Renewal 4 Months Before The Expiry Date.

### PETRONAS LICENSE GENERAL CONDITIONS

1. Company is required to register, obtain a license, permit or authorization from the relevant authority to carry out the services or supply of product or material used in company's operation and activities;
2. This license is not transferable to any company/other party;
3. This license will be revoked if the company is found to be in the process of liquidation, winding-up or dissolution;
4. Company shall inform PETRONAS on any changes related to company's position such as equity ownership, board of directors and management staff within fourteen (14) days. Failure to do so can result in revoke of License;
5. Company should take immediate action to adhere to the special conditions imposed as stated in the appendix of the PETRONAS license certificate and to inform PETRONAS on the progress of this action;
6. Company is not allowed to take another company as principal, agent, sub-contractor or otherwise to provide any service or supply of any facility, fittings or equipment on its behalf without prior written consent from PETRONAS;
7. Company shall allow PETRONAS representatives for inspection visit/ site/ company audit and review/ copy of documents and interviewing employees and related parties;
- f. Sub-contract work to another contractor without written permission from PETRONAS.
- g. Reject any contract or tender awarded.
- h. Entering or accepting contract or tender during the license suspension period.
- i. Provide false, inaccurate or misleading information.
- j. Does not follow tender's regulations and ethics including but not only limited to sending poison-pen letters, bribing or lobbying.
- k. Engaged in any inappropriate activities with this License.
11. According to Act 9, Petroleum Acts 1974, a person who initiate or continue any business or continue providing services as mentioned in Act 3 without a license or do not comply with any condition of the license is committing a crime and can be fined not exceeding RM50,000.00 (Fifty Thousand Ringgit) or imprisonment for a period not more than two (2) years or both and in respect of each continuous crime, it is subject to further fine of RM1,000.00 (One Thousand Ringgit) for every one (1) day or any part of one (1) day which the offense continues after the first conviction is recorded;
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10. This company can be penalised if in PETRONAS' opinion, it has conducted one or more of the following:
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  - Facing bankruptcy action.
  - Cannot be traced through the last address.
13. The company either by itself, through its employees, directors, agents or its employees;
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**COMPANY'S NAME** : A.F. CONDITION MONITORING (M) SDN. BUD.

**LICENSE NO** : 318985V

**LICENSE PERIOD** : 02.08.2021 - 02.09.2024

| CATEGORIES OF LICENSE /REGISTRATION |  |                   |                                |                        |             |
|-------------------------------------|--|-------------------|--------------------------------|------------------------|-------------|
| APPROVED LICENSE CATEGORIES         |  |                   |                                |                        |             |
| L/R/PROVISIONAL                     | Service /Supplier Code   | Mode of Operation | Principal Name (If Applicable) | Approval Date / Time   | Expiry Date |
| License                             | 20171000P Electronic Tools, Test & Calibration Equipment           | Dealer            | Not Applicable                 | 10/12/2021 08:46:41 AM | 02/09/2024  |
| License & Registration              | 24111000S CPBM Data Collection, Monitoring & Analysis (Mechanical) | Self-operated     | Not Applicable                 | 10/12/2021 04:13:21 PM | 02/09/2024  |
| License & Registration              | 19121300S Specialist Manpower                                      | Self-operated     | Not Applicable                 | 09/12/2021 05:33:59 PM | 02/09/2024  |

\*\*\*END\*\*\*

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of AF Condition Monitoring, Malaysia

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Valid until: 31 December 2022



## MOBIUS INSTITUTE

1525 Frankston-Flinders Road, Tyabb, Victoria, 3913 Australia

[www.mobiusinstitute.com](http://www.mobiusinstitute.com)



# AHMAD NU'MAN

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courses and conduct examinations through  
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# SIJIL PENDAFTARAN PENYEDIA LATIHAN

AKTA PEMBANGUNAN SUMBER MANUSIA BERHAD, 2001

***AF CONDITION MONITORING (M) SDN BHD***

adalah dengan ini didaftarkan sebagai penyedia latihan di bawah  
Kumpulan Wang Pembangunan Sumber Manusia

| Tarikh Diluluskan | Tarikh Tamat |
|-------------------|--------------|
| 22/03/2022        | 21/03/2023   |

27/09/2021

Tarikh Dikeluarkan

Pembangunan Sumber Manusia Berhad

***APPENDIX 11: HRDF Training Provider***

## PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan bersama perakuan ini.

**No. Pendaftaran** : 0120210302-SL069965  
**Nama Kontraktor** : A.F. CONDITION MONITORING (M) SDN. BHD.  
**Alamat Berdaftar** : UNIT 803, TINGKAT 8, BLOCK E, PHILEO DAMANSARA 1, JALAN 16/11 OFF  
JALAN DAMANSARA,  
46350 PETALING JAYA  
**Daerah** : PETALING  
**Tarikh Mula Berdaftar** : 03/03/2021

| <u>GRED</u> | <u>KATEGORI</u> | <u>PENGGHUSUSAN</u> |
|-------------|-----------------|---------------------|
| G6          | B               | B04                 |
| G6          | CE              | CE21                |
| G6          | ME              | M15                 |

Tarikh Mula Berkuatkuasa : 03/03/2021

Tarikh Habis Tempoh Perakuan : 02/03/2023

**STATUS: BARU**



Ketua Eksekutif  
Lembaga Pembangunan Industri Pembinaan Malaysia  
Tarikh: 03/03/2021



**APPENDIX 12 : CIDB Registration**