

TRAINER'S PROFILE

Name:

Hj Johar Bin Juhari , Lic IQA (UK),
FIMM, MIEM, HRDCorp Trainer.

Education:

#University of Glasgow, United
Kingdom (BSc. Civil Eng)

Certifications/ Accreditations:

#Graduate Engineer from IEM
#Registered with Board of
Engineers Malaysian (BEM)

Professional Experience:

#37 years in Oil & Gas
Industries.
#20 years' experience in
Development of offshore shallow
and deep-water facilities and
pipeline system.
#Project manager in Engineering
Design, Fabrication, Installation,
Operation and Maintenance of
off shore production facilities.
#Managed technical services for
inspection for corrosion control
and monitoring for major
upstream operator.
#15 years' experience in
Operation, Asset Integrity and
Reliability Management,
Material Engineering and
Technology, Corrosion Control,
Inspection, Maintenance and
Repair.
#Skill group secretary, coach,
mentor and trainer for young
talents.

Current Position

Principal Consultant at SVTT
Resources.

Co-Facilitators

1. Dr. Mohd Foad Abdul Hamid,
CEng, CMarEng.
2. En Nasir Hasnan, CEng,
FIMechE, HRDCorp Trainer.
3. En Mohd Nazly Mohd Kassim,
CRE

WHAT IS ASSET MANAGEMENT AND ISO 55001?

Asset management is the systematic process of coordinating a company's asset-related activities to increase the value of its assets. ISO 55001 is a standard for asset management system. It is already established in Europe and gaining following in the US, Australia and many other advanced countries. This standard has greatly benefitted organization, providing guidance for implementing a successful systematic approach in managing their assets.

Course Objective and Target

The objective of this course is to cater on Malaysian government drive for assisting unemployed graduates and retrenched worker to enhance or upskill with intention a pull-factor for potential employment or self-started business. This holistic approached was spearheaded by HRD Corporation under the Gerak Insan Gemilang (GIG) scheme, which SVTT Skill Center aligned with its wide range courses under the Industrial Revolution 4.0. The training to be offered **with the Malaysian government grant through HRD Corp**, aimed at facilitating Malaysians especially youth with specific skills and knowledge through end-to-end training, which enable them to become freelancers for better income.

The course is aligned to skill-set best practice in the Oil and Gas industry, with reference of Malaysian own petroleum company, PETRONAS. The training module and approach is based on PETRONAS and HRD Corporation collaboration on the **Industrial Skills Framework – Competencies, Certifications & Training Needs for Core & in-demand Skill-sets**, published in January 2020.

The course will be facilitated and coached by SVTT team consist of seasoned mechanical integrity, rotating turbomachinery, and reliability engineers whom have years of experience working in local and globally. They have carried out asset assessment and audit, preventive maintenance optimization, reliability engineering and management and other types of studies for asset optimization and efficiency. The end result is fore-see to improve company operations and maintenance through work identification, control, and execution via Asset Management System and work process.

Who should attend?

1. Graduates whom YET to have any works with ability to attend a full 5 days course. Graduates discipline either from engineering (any discipline), QA/ QC, manufacturing, process etc.
2. Retrenched workers with experience in engineering (any discipline), manufacturing, process and others

Minimum Requirements

1. Related fields of work for those unemployed or retrenched.
2. Diploma / Degree & Master Degree.

Date: 24th – 28th Jan 2022, Monday to Friday (5 days)

Time: 9.00am – 5.00pm.

Venue: Concorde Hotel, Kuala Lumpur

Fees: Free of Charges (FoC). Allowance of RM25/ day is provided

Lunch & refreshments will be provided

One-hour lunch break & two tea breaks

Learning Outcome:

1. Understand the importance of destructive mechanical testing and how they support a successful Asset Management program.
2. Understanding the elements and operations of an Asset Management System and its principal processes.
3. Able to develop an AMS that is suitable and adequate for the core business of the organization or operations.
4. Able to interpret the ISO 55001 requirements in the specific context on an organization.
5. Understand the approaches, methods and techniques used for the implementation and management of an AMS.
6. Able to identify asset management related risks and Risk Management approach.
7. Able to develop a SAMP that addresses the asset management objectives and to integrate SAMP with other organizational planning
8. Understand the importance of planning and control during implementation of criticality or key activities which includes Management of Change (MOC) and Suppliers and Outsourcing control and many more.

Course Content:

1. Introduction to Asset Management concepts
2. Destructive Mechanical Testing for Asset Management
3. Developing an Asset Management System (AMS) in organization with pragmatic approach.
4. Planning, Implementing and Managing an AMS
5. Performance and effectiveness evaluation of an AMS
6. Preparing for an AMS certification audit.

Course Expectation:

1. 70% Theory and 30% Practical with group task, exercise and role-playing games on risk, reliability, AMS etc.
2. It is expected that the participants are well aware on recent events that happened in Malaysia and around the globe for some of the exercise and group task.

Other Related Info:

1. The class is to cater for 40 pax. First come first serve rules applied.
2. Pre-reading and watching one movie will be required prior to attend the class for preparation.
3. The course material will be provided to those qualified.
4. Sample of Standards will be shared as a reference only.
5. We do not provide lodging thus those from outside KL/ Selangor need to plan logistic and mobilization.

For any info or clarification, please contact **Nadzrin Zariq** at **0108823411**

Once the registration form is completed, kindly mail together with supportive document to nadzrin.zariq@svtt.com.my

About SVTT

SVTT established in 2007 is a Condition Based Monitoring (CBM) service provider and consultant firm with local expertise supported by Principals globally. We offered multiple type of CBM services and consultation in oil and gas and power generations, and also in other industries. With corporate office in Kelana Jaya, Selangor and site offices in Johor Bahru, we are able to support many clients throughout Malaysia, Singapore and the rest of Asian. Our core business is divided into three categories. A snapshot of our offering is shared in below table.

1. Condition Based Monitoring (CBM)
2. Asset Management Systems (AMS)
3. Training and Certifications

SVTT is registered as Malaysian's Human Recourse Development Fund (HRDF) company, permitted to carry out courses – classes and online. Those participated in this HRDF sanction classes, will enjoy refundable from the fund. Our technical training portfolio is divided into three (3) main skill group:

1. Asset Management Systems as per ISO55001
2. Condition Based Monitoring and IOT 4.0 Predictive Maintenance
3. Organization, Operations and Maintenance

To know more about our other courses, do contact the focal person as stated in this brochure.

Asset Management System Services – HSE, HRA, Integrity & Reliability					
Situational Assessment Client Need Analysis, Gap Analysis, Fitness for Service (FFS), Asset Life Extension Services (ALES), CBM Program, which include roadmap, work process, KPIs and Transfer Technology	Back to Basic 3D Simulation and Modelling, Asset Register and Verification, BOMs Development and Population, CMMS development i.e GTL, Criticality etc. and Failure Report Analysis and Corrective Action System (FRACAS)	Optimization 1. Maintenance Strategy via ERS, ECA, FMECA, SRCM, RCM II, ODR etc 2. Reliability Engineering Analysis via RCFA, RP, MP, FTA, HFA, Weibull, Markov etc, 3. Bad Actors Management 4. HSSE Analysis 5. Human Risk Assessment (HRA)	Performance Analysis 1. RAM Analysis 2. RBD + OPSIM 3. Mechanical Integrity 4. Life Cycle Costing (LCC) 5. Logistic Simulation 6. KPI's and peers performance	Advance Engineering Analysis 1. Piping vibration testing accordance to AVIFF via AIV, FIV, PIV 2. Process Analysis – Flow Assurance, Computerized Flow Dynamic (CFD) 3. Structural Analysis via FEA etc	
Condition Based Maintenance & Inspection Services					
Vibration, Advance Vibration Analysis & Noise (Online, Offline, Wireless), Facility of Future (FoF), Recip Compressor & Engine, ODS, Experimental Modal Analysis etc	Thermograph & Advance Thermography – Electrical, Rotating, Static and Process for baseline, survey, routine and SAT	Tribology/ Lube Oil & Hydraulic, Grease – Field Sampling, testing and analysis, Baseline reading, Sampling Point Audit, Lubrication Program and Roadmap	Offline Filtration System – Purification & Safe Guarding Asset	Gas Leak Detection & Analysis (LDAR) – Routine & Surveillance	Basic Equipment Care via Front Line Defense and Operator Driven Reliability through developing program, tools, firmware, hardware and software. Full fledged project planning and execution



TRAINEE REGISTRATION FORM
PENJANA HRDF – PLACE & TRAIN INITIATIVE

SUPPORTING DOCUMENTS TO BE ATTACHED FOR TRAINEE

	Copy of NRIC
	Copy of Degree / Diploma / STPM / SPM or equivalent certificates
	Letter of Retrenchment from previous company (specifically for Retrenched Workers)
	Offer Letter from employer indicating job specification and start date of employment
	Placement Job Training (PJT) Schedule up to 6 months (if applicable)
	Complete Session Plan (Date, Time and Venue for each session must be clearly specified)

A. TRAINING INFORMATION

- 1 Course Title : Destructive Mechanical Testing for Asset Management
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- 2 Training Delivery : Classroom Virtual Blended Others :
Please specify.....
- 3 Total Duration : Days Hours
- 4 Start Date : 24 January 2022
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- 5 Completion Date : 28 January 2022
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- 6 Venue : Concorde Hotel, Kuala Lumpur
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- 7 Mode of Training : Full Time Part-Time
- 8 Training Provider : SVTT Skill Centre of SVTT Resources Sdn Bhd
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B. TRAINEE INFORMATION

- 1 Name :
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- 2 NRIC No. :
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- 3 Gender : Male Female
- 4 Race : Malay Chinese Indian Others :
Please specify.....

5 Address :

6 Tel. No :

7 Email :

8 Academic Qualification : 01 Sijil Pelajaran Malaysia (SPM)
 02 Sijil Tinggi Pelajaran Malaysia (STPM)
 03 Certificate / Skills Certificate
 04 Diploma
 05 Bachelor Degree
 06 Master Degree
 07 Doctoral Degree
 08 Others (Please specify) :

I declare that the facts stated in this application and the accompanying information are true and correct and that I have not withheld / distorted any material facts. I understand that if I obtain the grant by false or misleading statements, I may be prosecuted.

Signature :

Name :

NRIC No. :

Date :