THINK PLUS ACADEMY

Think Plus Academy Sdn Bhd
A-7-1, Ativo Plaza,
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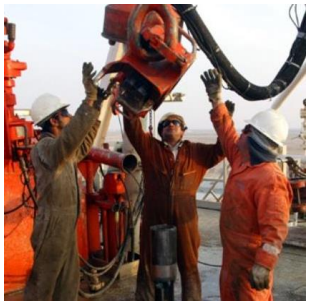
THINK PLUS ACADEMY
COURSE BROCHURES 2015



TRAINING ASSOCIATES

LIST OF COURSES BROCHURES

IWCF/IADC

1. IWCF Level 2 Drilling Well Control - Introductory
2. IWCF Level 3 Drilling Well Control - Driller
3. IWCF Level 4 Drilling Well Control - Supervisor
4. IWCF Level 2 Well Intervention Pressure Control - Introductory
5. IWCF Level 3 Well Intervention Pressure Control - Operator
6. IWCF Level 4 Well Intervention Pressure Control – Supervisor
7. IADC WellCAP Fundamental Level Well Control
8. IADC WellCAP Supervisory Level Well Control
9. Stuck Pipe Prevention & Solutions
10. HPHT Drilling

OPITO

1. Certificate in Petroleum Processing Technology

MOXI

1. Installation, Maintenance and Detailed Inspection Skill Set - Electrical Equipment in Hazardous Area (EEHA)

ENGINEERING + SIMULATION

1. 10 Days – Engineering + COLaN Simulation

CHALLENGER ENGINEERING CERTIFICATION & DIPLOMA

1. Certificate II in Process Plant Operation
2. Certificate III in Process Plant Operation
3. Certificate IV in Process Plant Operation
4. Diploma in Process Plant Technology
5. Advanced Diploma in Process Plant Technology

CHALLENGER RPL CERTIFICATION

1. Certificate IV in Engineering Maintenance (Electrical)
2. Certificate IV in Engineering Maintenance (Instrumentation)
3. Certificate IV in Engineering Maintenance (Mechanical)

IVQ LEVEL 3 ADVANCED DIPLOMA IN OIL & GAS OPERATON

1. Mechanical Maintenance Technician
2. Electrical Maintenance Technician
3. Instrumentation Maintenance Technician
4. Process Technician

LIST OF COURSES BROCHURES

FAMOUS & POPULAR SHORT BASIC COURSES

1. 3 Days Basic Oil & Gas Enrichment
2. 2 Days Drilling/ Well Engineering & HSE

HEALTH, SAFETY & ENVIRONMENTAL (HSE)

1. NEBOSH International General Certificate in Occupational Safety & Health
2. Basic Offshore Safety Induction and Emergency Training (BOSIET) - OPITO Approved
3. Tropical Basic Offshore Safety Induction and Emergency Training (T-BOSIET) - OPITO Approved
4. Fall Protection
5. HAZOP Study
6. Safety Management Skills

NON-DESTRUCTIVE TESTING

1. Ultrasonic Testing (UT) Thickness Measurement
2. Ultrasonic Testing (UT) Welds
3. Radiographic Interpretation (RI)

PLANT INSPECTION

1. API 570 Piping Inspector
2. API 510 Pressure Vessel
3. API 653 Above Ground Storage Tank Inspection

MARINE

1. Introduction to Marine Operations for FPSO's
2. Permit To Work
3. Management of Major Emergencies (MOME) Training
4. Management of Drilling Emergencies (MODE)
5. Familiarisation and Pre Production Start Up Training & Assessment

PRODUCTION

EXECUTIVE DEVELOPMENT PROGRAM

SAP

SAP OIL & GAS WORKSHOP

PRIMAVERA

TRAIN THE TRAINER

GREEN PROJECT MANAGEMENT (GPM)

LOCATION OF COURSE CAN BE CONDUCTED:

MALAYSIA ONLY

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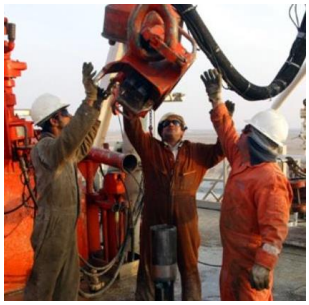
IWCF/IADC DRILLING



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IWCF Drilling Level 2 Well Control (Introductory)

COURSE CONTENT

- Overview
- Introduction to well control
- Barrier concept
- Risk management
- Causes of kicks
- Kick warning signs and indicators
- Circulating systems
- Fracture pressure and maximum surface pressure
- Influx characteristics and behavior.
- Shut in procedures
- Well control methods
- Blow Out Preventers
- Associated well control equipment.
- Choke manifold and chokes
- Auxiliary equipment
- Barriers
- Testing
- BOP control systems

TARGET GROUP

Assistant to Wellsite Supervisor or Wellsite Drilling Engineer, Wellsite and office based Operations Geologist, Roughneck, Derrickman, Barge Engineer, BOP/Subsea Engineer, Dynamic Positioning (DP) Operator and LMRP Engineer, Drilling Contractor Wellsite Rig Engineer.

LOCATION

Malaysia

DURATION

4 days

ABOUT THIS COURSE

This course is designed to meet the requirements of the accrediting body IWCF and is offered with either Surface or Combined BOP Certification. The Level 2 (Introductory) course is designed for delegates "working in roles which may directly contribute to the creation, detection or control of a well influx". Please note that from 01 September, 2014, Level 2 is a prerequisite for candidates who are:

i. obtaining IWCF certification for the first time, and
ii. wishing to progress to Level 3.

OBJECTIVES

- To provide a basic understanding of the features of drilling a well and the fundamental principles involved in maintaining well control.
- The programme is aimed at persons in well control critical positions on drilling installations and onshore roles.
- Candidates are required to complete an IWCF accredited training course prior to sitting assessment.
- Course content will be taught according to the IWCF syllabus and will prepare candidates for the IWCF examinations and assessment.
- Assessment for Level 2 consists of written testing.
- Certificates for Level 2 are valid for 5 years.

COURSE DELIVERY

The course is delivered through presentation of a series of interactive lectures supported by videos and animations, supplemented by a classroom workbook and further self-study exercises. Successful completion of the course and examination will result in IWCF Level 2 certification which is valid for five years.

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IWCF Drilling Level 3 Well Control (Driller)

COURSE CONTENT

- Overview
- Introduction to Well Control
- Barrier Concept
- Risk Management
- Causes of kicks
- Kill Warning Signs and Indicators
- Circulating Systems
- Fracture Pressure and Maximum Surface pressure
- Influx Characteristics and Behavior
- Shut In Procedures
- Well Control Methods
- Well Control during Casing and Cementing Operations
- Well Control Management
- Contingency Planning
- Blowout Preventers
- Associated Well Control Equipment
- Choke Manifold and Chokes
- Auxiliary Equipment
- Barriers
- Testing
- BOP Control Systems

ABOUT THIS COURSE

This course is designed to meet the requirements of the accrediting body IWCF and is offered with either Surface or Combined BOP Certification. Please note that from 1 September 2014, delegates must hold a valid Drilling Level 2 certificate to be eligible for this course. If the delegates is new to IWCF training of if the delegate's previous certificate has lapsed 24 months beyond the expiry date, he/she will be required to achieve a Level 2 certificate first.

OBJECTIVES

- The programme is aimed at persons in well control critical positions on drilling installations and onshore roles.
- Candidates are required to complete an IWCF accredited training course prior to sitting assessment.
- Course content will be taught according to the IWCF syllabus and will prepare candidates for the IWCF examinations and assessment.
- Assessment for Level 3 consists of Practical assessment using simulator equipment and Written testing
- Certificates for Level 3 is valid for 2 years.

LOCATION

Malaysia

DURATION

5 days

COURSE DELIVERY

The course is delivered through lectures supported by videos and animations, self-study exercises, and practical work on a drilling simulator. Delegates attending Level 3 (Driller) Well Control will sit a practical assessment using a drilling simulator and two closed book examination leading to the required certificate or competence in well control – valid for 2 years.

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IWCF Drilling Level 4 Well Control (Supervisor)

COURSE CONTENT

- Overview
- Introduction to Well Control
- Barrier Concept
- Risk Management
- Causes of kicks
- Kill Warning Signs and Indicators
- Circulating Systems
- Fracture Pressure and Maximum Surface pressure
- Influx Characteristics and Behavior
- Shut In Procedures
- Well Control Methods
- Well Control during Casing and Cementing Operations
- Well Control Management
- Contingency Planning
- Blowout Preventers
- Associated Well Control Equipment
- Choke Manifold and Chokes
- Auxiliary Equipment
- Barriers
- Testing
- BOP Control Systems

ABOUT THIS COURSE

This course is designed to meet the requirements of the accrediting body IWCF and is offered with either Surface or Combined BOP Certification. Please note that from 1 September 2014, delegates must hold a valid Well Intervention Level 2 (Introductory) or Level 3 (Operator) certificate to be eligible for this course. If the delegates is new to IWCF training of if the delegate's previous certificate has lapsed 24 months beyond the expiry date, he/she will be required to obtain a Level 2, then a Level 3 certificate before progressing to Level 4.

OBJECTIVES

- The programme is aimed at persons in well control critical positions on drilling installations and onshore roles.
- Candidates are required to complete an IWCF accredited training course prior to sitting assessment.
- Course content will be taught according to the IWCF syllabus and will prepare candidates for the IWCF examinations and assessment.
- Assessment for Level 4 consists of Practical assessment using simulator equipment and Written testing
- Certificates for Level 3 and 4 are valid for 2 years.

LOCATION

Malaysia

DURATION

5 days

COURSE DELIVERY

The course is delivered through lectures supported by videos and animations, self-study exercises, and practical work on a drilling simulator. Delegates attending Level 4 (Supervisor) Well Control will sit a practical assessment using a drilling simulator and two closed book examination leading to the required certificate or competence in well control – valid for 2 years.

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IWCF Well Intervention Pressure Control Level 2 (Introductory)

ABOUT THIS COURSE

The Level 2 (Introductory) 4-day course is designed for delegates "working in roles which may directly contribute to the creation, detection or control of a well influx".

Please note that from 01 September, 2014, Level 2 is a prerequisite for candidates who are:

i. obtaining IWCF certification for the first time, and
ii. wishing to progress to Level 3 (operator).

OBJECTIVES

- The programme is aimed at persons in well control critical positions during well intervention operations.
- Candidates are required to complete an IWCF accredited training course prior to assessment.
- Course content will be taught according to the IWCF syllabus and will prepare candidates for the IWCF assessments.
- Assessment consists of written examination only.
- Certificates for Level 2 are valid for 5 years

COURSE CONTENT

The certification standards are based on a detailed analysis of the pressure control knowledge required by service equipment operators and supervisory personnel in order to perform their jobs. The standards have been devised so that the measurement of their knowledge can be assessed systematically. The method of assessing the knowledge of an individual is by written examination. The following certification options are provided :

- Coiled tubing operations
- Wireline operations
- Snubbing operations
- Completion Operations (Compulsory)
- Completion Equipment (Compulsory)

Candidates may combine two or more of the above options in a combined operations certification programme. To obtain a combined certificate candidates must pass each of the operations test papers that they sit. Content will include :

- Equipment
- Completion
- Wireline
- Coiled tubing
- Snubbing

Principles and procedures:

- Barrier principles
- Well information
- Shut-in procedures
- Pressure control methods
- Problems
- Pressure control management

DURATION

4 days

LOCATION

Malaysia

COURSE DELIVERY

The course is delivered through lectures supported by videos and animations, self-study exercises, and group discussion. The course concludes with two closed-book examinations leading to the required certificate of competence in well intervention. Certification is valid for 2 years.

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IWCF Well Intervention Pressure Control Level 3 (Operator)

ABOUT THIS COURSE

This 4-days course is part of the IWCF suite of well control courses and follows the IWCF syllabus. Please note that from 1 September 2014, delegates must hold a valid Well Intervention Level 2 (Introductory) or Level 3 (Operator) certificate to be eligible for this course. If the delegates is new to IWCF training of if the delegate's previous certificate has lapsed 24 months beyond the expiry date, he/she will be required to obtain a Level 2, then a Level 3 certificate before progressing to Level 4.

OBJECTIVES

- The programme is aimed at persons in well control critical positions during well intervention operations.
- Candidates are required to complete an IWCF accredited training course prior to assessment.
- Course content will be taught according to the IWCF syllabus and will prepare candidates for the IWCF assessments.
- Assessment consists of written examination only.
- Certificates for Level 3 are valid for 2 years

COURSE CONTENT

The certification standards are based on a detailed analysis of the pressure control knowledge required by service equipment operators and supervisory personnel in order to perform their jobs. The standards have been devised so that the measurement of their knowledge can be assessed systematically. The method of assessing the knowledge of an individual is by written examination. The following certification options are provided :

- Coiled tubing operations
- Wireline operations
- Snubbing operations
- Completion Operations (Compulsory)
- Completion Equipment (Compulsory)

Candidates may combine two or more of the above options in a combined operations certification programme. To obtain a combined certificate candidates must pass each of the operations test papers that they sit. Content will include :

- Equipment
- Completion
- Wireline
- Coiled tubing
- Snubbing

Principles and procedures:

- Barrier principles
- Well information
- Shut-in procedures
- Pressure control methods
- Problems
- Pressure control management

DURATION

4 days

LOCATION

Malaysia

COURSE DELIVERY

The course is delivered through lectures supported by videos and animations, self-study exercises, and group discussion. The course concludes with two closed-book examinations leading to the required certificate of competence in well intervention. Certification is valid for 2 years.

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IWCF Well Intervention Pressure Control Level 4 (Supervisor)

ABOUT THIS COURSE

This 4-days course is part of the IWCF suite of well control courses and follows the IWCF syllabus. Please note that from 1 September 2014, delegates must hold a valid Well Intervention Level 2 (Introductory) or Level 3 (Operator) certificate to be eligible for this course. If the delegates is new to IWCF training of if the delegate's previous certificate has lapsed 24 months beyond the expiry date, he/she will be required to obtain a Level 2, then a Level 3 certificate before progressing to Level 4.

OBJECTIVES

- The programme is aimed at persons in well control critical positions during well intervention operations.
- Candidates are required to complete an IWCF accredited training course prior to assessment.
- Course content will be taught according to the IWCF syllabus and will prepare candidates for the IWCF assessments.
- Assessment consists of written examination only.
- Certificates for Level 2 are valid for 5 years
- Certificates for Level 3 and 4 are valid for 2 years

COURSE CONTENT

The certification standards are based on a detailed analysis of the pressure control knowledge required by service equipment operators and supervisory personnel in order to perform their jobs. The standards have been devised so that the measurement of their knowledge can be assessed systematically. The method of assessing the knowledge of an individual is by written examination. The following certification options are provided :

- Coiled tubing operations.
- Wireline operations.
- Snubbing operations.
- Completion Operations (Compulsory).
- Completion Equipment (Compulsory).

Candidates may combine two or more of the above options in a combined operations certification programme. To obtain a combined certificate candidates must pass each of the operations test papers that they sit. Content will include :

- Equipment
- Completion
- Wireline
- Coiled tubing
- Snubbing
- Principles and procedures
- Barrier principles
- Well information
- Shut-in procedures
- Pressure control methods
- Problems
- Pressure control management

DURATION

4 days

LOCATION

Malaysia

COURSE DELIVERY

The course is delivered through lectures supported by videos and animations, self-study exercises, and group discussion. The course concludes with two closed-book examinations leading to the required certificate of competence in well intervention. Certification is valid for 2 years.

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IADC WellCAP Well Control (Fundamental)

COURSE CONTENT

- Causes of Kicks
- Kick Detection
- Pressure Concepts and Calculations Procedures
- Gas Characteristics and Behavior
- Fluids
- Constant Bottomhole Pressure Well Control Methods
- Equipment
- Government, Industry And Company Rules, Orders And Policies
- Subsea Well Control (Required For Subsea Endorsement)
- Special Situations (Optional)

TARGET GROUP

- Derrickman
- Assistant Driller
- Driller

DURATION

5 days

LOCATION

Malaysia

ABOUT THIS COURSE

This course is designed to meet the requirements of the accrediting body IADC and is offered with either Surface or Combined (surface and subsea) BOP certification.
The purpose of the core curriculum is to identify a body of knowledge and a set of job skills which can be used to provide well control skills for drilling operations including well testing and initial completion.

OBJECTIVES

At the end of this course, participants are able to:

- Define two types of kick: unintentional and intentional.
- Identify kick indicators and kick warning signals.
- Identify the causes of changes in pit level.
- Identify drilling rate changes.
- Recognize the relatively low density of gas and its effect on the hydrostatic column.
- Demonstrate understanding of the function of the accumulator system, including an explanation of the consequences of losing nitrogen pre-charge pressure.
- Calculate fluid density increase required to balance formation pressure.
- Identify types of drilling fluids and measure fluid density.
- Identify appropriate pre-recorded information.
- Demonstrate understanding of u-tube concept and hydrostatic column.
- Define pressure gradient, formation pressure gradient and calculate hydrostatic pressure and Bottomhole pressure.

COURSE DELIVERY

The course is delivered through lectures supported by videos and animations, self-study exercises, and practical work on a drilling simulator. Delegates will sit a practical assessment using a drilling simulator and two closed book examinations leading to the required certificate of competence in well control - valid for two years.
The course will start at 8:30am on Monday and finish on Friday afternoon (exact finishing times vary depending on the individual's examination results that day).

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IADC WellCAP Well Control (Supervisor)

COURSE CONTENT

- Causes of Kicks
- Kick Detection
- Pressure Concepts and Calculations
- Procedures
- Gas Characteristics and Behavior
- Types of Fluids
- Constant Bottomhole Pressure Well Control Methods
- Equipment
- Organizing a Well Control Operation
- Subsea Well Control (Required For Subsea Endorsement)
- Shut-in For Subsea Wells
- Subsea Well Kill Considerations
- Subsea Well Control – Shallow Flow(s) Prior To Bop Installation
- Subsea Well Control – Kick Prevention And Detection
- Subsea Well Control – Bop Arrangements
- Subsea Well Control – Drilling Fluids
- Subsea Well Emergency Disconnect
- Special Situations (Optional)

TARGET GROUP

- Toolpusher
- Superintendent
- Drilling Foreman

ABOUT THIS COURSE

This course is designed to meet the requirements of the accrediting body IADC and is offered with either Surface or Combined (surface and subsea) BOP certification.
The purpose of the core curriculum is to identify a body of knowledge and a set of job skills which can be used to provide well control skills for drilling operations including well testing and initial completion.

OBJECTIVES

At the end of this course, participants are able to:

- Define unintentional and intentional kick, flows and identify its causes.
- Identify positive kick indicators.
- Define and/or calculate various pressures (Pressure gradient, Hydrostatic pressure, Bottomhole pressure, Differential pressure etc)
- Demonstrate the procedures for setting well control monitoring indicators, including, where applicable, the items at right
- Identify type of gas, related hazards and its effects on people, environment and equipment in well control operation
- Identify types of drilling and completion fluids
- Identify the constant bottomhole pressure methods
- Identify the purpose of a pit level indicator , types of indicators and issues or limitations of indicators.
- Identify the key sources of information governing well control
- Identify and describe the function of systems and equipment
- Demonstrate the ability to shut in the well in a timely manner to minimize influx after observing positive flow indicators

DURATION

5 days

LOCATION

Malaysia

COURSE DELIVERY

The course is delivered through lectures supported by videos and animations, self-study exercises, and practical work on a drilling simulator. Delegates will sit a practical assessment using a drilling simulator and two closed book examinations leading to the required certificate of competence in well control - valid for two years.
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Stuck Pipe Prevention & Solutions

COURSE CONTENT

- Communications
- Well design and Operations
- Hole Cleaning
- Essentials of Rock Mechanisms
- Stuck Pipe Mechanisms
- Recognition Cuttings and Cavings
- Drill Crew Actions
- Recognizing Trends
- Getting Free (Principle of Operation of Drilling Jars)

ABOUT THIS COURSE

The purpose of this 3 –Day course is to provide well engineers, drilling supervisors and drilling personnel with the knowledge and understanding of the causes of stuck pipe and the means to reduce or eliminate stuck pipe as a significant causes of lost time incidents and related costs.

Stuck pipe is the primary causes of non-productive time and should not be considered as an inevitable drilling hazard. This course develops an understanding of how pipe prevention can be managed through the well design and construction process.

LOCATION

Malaysia

DURATION

3 days

OBJECTIVES

- Understand the importance of hole cleaning in avoiding stuck pipe and be able to describe hole cleaning practices for vertical, deviated and horizontal wells.
- Explain the essential principles of rock mechanisms as it relates to stuck pipe.
- Describe and explain the various mechanisms of stuck pipe.
- Identify the symptoms leading to stuck pipe using a range of case studies.
- Understand and describe how stuck pipe can be avoided through good well design.

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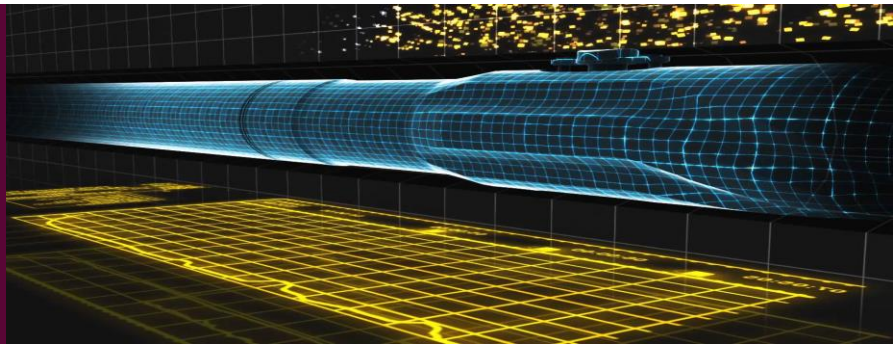

HPHT Drilling

COURSE CONTENT

- Characteristics of HPHT wells
- Teamwork and communications
- Rig and equipment selection
- Well control
- Fingerprinting
- Bottom hole pressure
- Underground flows
- Casing design in HPHT wells
- Drilling fluids and cement

TARGET GROUP

- Drilling Personnel
- Well Planners
- Senior Drill Crew
- No Prior HPHT Experience Is Assumed

LOCATION

Malaysia

DURATION

3 days

ABOUT THIS COURSE

This 3-Day HPHT training course provides a comprehensive understanding of the well design and operational requirements for HPHT wells. It develops the principles of HPHT well engineering from rig selection through well control and HPHT considerations for casing design, drilling fluids and cement formulations.

OBJECTIVES

- Support the need for training and communication as a key factor of success in the safe delivery of HPHT well operations.
- List and explain the differences in well design between HPHT and conventional wells.
- Apply the knowledge of HPHT well design and considerations in the selection of the rig and equipment to optimise well performance.
- Explain and describe the challenges of well control in HPHT environments from pressure prediction, detection and well control procedures.
- Describe what is meant by fingerprinting and develop rig procedures to use fingerprinting effectively.
- Describe the effects of HPHT on casing and fluids design.

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2015
TRAINING CALENDAR
IWCF/IADC DRILLING

IWCF Drilling Level 2 Well Control (Introductory)
13th - 16th Jan
3th - 6th Feb
3th - 6th Mar
31st Mar - 3rd Apr
5th - 8th May
2nd - 5th June
30 June - 3rd July
28th - 31st July
18th - 21st Aug
8th - 11th Sept
27th - 30th Oct
24th - 27th Nov

IADC WellCAP Fundamental/ Supervisory Level Well Control
Available at Request (please state preferred date)

Stuck Pipe Presentation and Solutions
Available at Request (please state preferred date)

IWCF Drilling Well Control Level 3 (Driller) & Level 4 (Supervisor)
19th - 23rd Jan
9th -13th Feb
9th - 13th Mar
23th – 27th Mar
6th - 10th Apr
13th – 17th Apr
11th - 15th May
18th – 22nd May
8th -12th June
6th - 10th July
13th – 17th July
3rd - 7th Aug
10th – 14th Aug
14th - 18th Sept
21th – 25th Sept
5th - 9th Oct
12th – 16th Oct
2nd - 6th Nov
9th– 13th Nov
30th Nov - 4th Dec
7th– 11th Dec

HPHT Drilling
Available at Request (please state preferred date)

IWCF Well Intervention Pressure Control Level 2 (Introductory)
16th - 19th Mar
18-21 May
13-16 July
21-24 September
09-12 November

IWCF Well Intervention Pressure Control Level 3 (Operator)
26th - 29th Jan
13th - 16th Apr
15th - 18th June
10th - 13th Aug
12th - 15th Oct
7th - 10th Dec

IWCF Well Intervention Pressure Control Level 4 (Supervisor)
26th - 29th Jan
13th - 16th Apr
15th - 18th June
10th - 13th Aug
12th - 15th Oct
7th - 10th Dec

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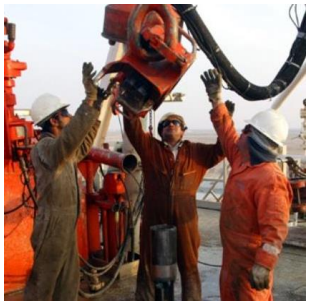
LEVEL 3 IVQ ADVANCED DIPLOMA IN OIL AND GAS OPERATIONS



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LEVEL 3 IVQ Advanced Diploma in Oil & Gas Operations (Mechanical Maintenance Technician)

LOCATION

Malaysia

DURATION

12 Months

ABOUT THIS COURSE

This qualification will provide you with the practical skills and knowledge to undertake an operational role in chemical, hydrocarbons or refining sectors. You will apply safe working practices and follow emergency response procedures. You will learn to operate a production unit, process control and monitor systems and equipment.

AIM OF QUALIFICATION

- Meet the needs of learners who work or want to work in the oil and gas industry.
- Provide a broad background understanding of the oil and gas industry and the practical skills and knowledge required.
- Allow learners to learn, develop and practice the skills required for employment and/or career progression in the oil and gas industry.
- Provide an awareness of the range of jobs and work settings in the oil and gas industry.
- Introduce learners to the disciplines of the workplace.
- Enable learners to make an informed assessment of their own aptitude for work in the oil and gas industry and to make informed decisions about careers, returning to work, career development options or possible career change.
- Encourage learners to reach a level of knowledge and skills that will facilitate progress in employment in the oil and gas industry or to further learning
- Encourage learners to value continued learning and to remain in the learning process

COURSE CONTENT

1. Handing over processes, plant and equipment
2. Restoring the workplace after completing the maintenance procedures of plant
3. Minimizing and reducing risks to life, property and the environment at work, plant and equipment
4. Operating safely at work, minimizing risks and complying with emergency procedures
5. Participating in activities to develop effective working relationships
6. Arranging and preparing the workplace for the maintenance of plant and equipment

STAGE TWO (2 Optional Units)

1. Performing maintenance procedures on mechanical plant and equipment
2. Assessing and dealing with defects and variations in mechanical plant and equipment
3. Identifying and analyzing the causes of defects in mechanical plant and equipment
4. Arranging equipment in preparation for mechanical engineering activities
5. Preparing materials for the maintenance of mechanical plant and equipment
6. Modifying mechanical plant and equipment to meet operational requirements
7. Removing components from mechanical plant and equipment
8. Replacing components in mechanical plant and equipment
9. Establishing the viability of repairing components from mechanical plant and equipment

STAGE THREE (2 Optional Units)

1. Understanding and analyzing detailed mechanical information from technical sources
2. Obtaining information from mechanical engineering drawings and specifications
3. Analyzing and recommending improvements to maintenance procedures for mechanical plant and equipment
4. Verifying that mechanical engineering processes have been completed to required specifications
5. Examining the performance and state of mechanical plant and equipment
6. Monitoring the performance and state of mechanical plant and equipment
7. Assessing the performance and state of mechanical plant and equipment
8. Examining mechanical plant and equipment

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LEVEL 3 IVQ Advanced Diploma in Oil & Gas Operations (Electrical Maintenance Technician)

LOCATION

Malaysia

DURATION

12 Months

ABOUT THIS COURSE

This qualification will provide you with the practical skills and knowledge to undertake an operational role in chemical, hydrocarbons or refining sectors. You will apply safe working practices and follow emergency response procedures. You will learn to operate a production unit, process control and monitor systems and equipment.

AIM OF QUALIFICATION

- Meet the needs of learners who work or want to work in the oil and gas industry.
- Provide a broad background understanding of the oil and gas industry and the practical skills and knowledge required.
- Allow learners to learn, develop and practice the skills required for employment and/or career progression in the oil and gas industry.
- Provide an awareness of the range of jobs and work settings in the oil and gas industry.
- Introduce learners to the disciplines of the workplace.
- Enable learners to make an informed assessment of their own aptitude for work in the oil and gas industry and to make informed decisions about careers, returning to work, career development options or possible career change.
- Encourage learners to reach a level of knowledge and skills that will facilitate progress in employment in the oil and gas industry or to further learning
- Encourage learners to value continued learning and to remain in the learning process

COURSE CONTENT

STAGE ONE (Mandatory Unit)

1. Handing over processes, plant and equipment
2. Restoring the workplace after completing the maintenance procedures of plant
3. Minimizing and reducing risks to life, property and the environment at work, plant and equipment
4. Operating safely at work, minimizing risks and complying with emergency procedures
5. Participating in activities to develop effective working relationships
6. Arranging and preparing the workplace for the maintenance of plant and equipment

STAGE TWO (2 Optional Units)

1. Performing maintenance procedures on electrical plant and equipment
2. Assessing and dealing with defects and variations in electrical plant and equipment
3. Identifying and analyzing the causes of defects in electrical plant and equipment
4. Arranging equipment in preparation for electrical engineering activities
5. Preparing materials for the maintenance of electrical plant and equipment
6. Modifying electrical plant and equipment to meet operational requirements
7. Removing components from electrical plant and equipment
8. Replacing components in electrical plant and equipment
9. Establishing the viability of repairing components from electrical plant and equipment

STAGE THREE (2 Optional Units)

1. Understanding and analyzing detailed electrical information from technical resources
2. Obtaining information from engineering diagrams and specifications
3. Analyzing and recommending improvements to maintenance procedures for electrical plant and equipment
4. Verifying that electrical engineering processes have been completed to required specifications
5. Examining the performance and state of electrical plant and equipment
6. Monitoring the performance and state of electrical plant and equipment
7. Assessing the performance and state of electrical plant and equipment
8. Examining electrical plant and equipment

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LEVEL 3 IVQ Advanced Diploma in Oil & Gas Operations (Instrumentation Maintenance Technician)

LOCATION

Malaysia

DURATION

12 Months

ABOUT THIS COURSE

This qualification will provide you with the practical skills and knowledge to undertake an operational role in chemical, hydrocarbons or refining sectors. You will apply safe working practices and follow emergency response procedures. You will learn to operate a production unit, process control and monitor systems and equipment.

AIM OF QUALIFICATION

- Meet the needs of learners who work or want to work in the oil and gas industry.
- Provide a broad background understanding of the oil and gas industry and the practical skills and knowledge required.
- Allow learners to learn, develop and practice the skills required for employment and/or career progression in the oil and gas industry.
- Provide an awareness of the range of jobs and work settings in the oil and gas industry.
- Introduce learners to the disciplines of the workplace.
- Enable learners to make an informed assessment of their own aptitude for work in the oil and gas industry and to make informed decisions about careers, returning to work, career development options or possible career change.
- Encourage learners to reach a level of knowledge and skills that will facilitate progress in employment in the oil and gas industry or to further learning
- Encourage learners to value continued learning and to remain in the learning process

COURSE CONTENT

STAGE ONE (Mandatory Unit)

1. Handing over processes, plant and equipment
2. Restoring the workplace after completing the maintenance procedures of plant
3. Minimizing and reducing risks to life, property and the environment at work, plant and equipment
4. Operating safely at work, minimizing risks and complying with emergency procedures
5. Participating in activities to develop effective working relationships
6. Arranging and preparing the workplace for the maintenance of plant and equipment

STAGE TWO (2 Optional Units)

1. Performing maintenance procedures on instrumentation and control plant and equipment
2. Assessing and dealing with defects and variations in instrumentation and control plant and equipment
3. Identifying and analyzing the causes of defects in instrumentation and control plant and equipment
4. Arranging equipment in preparation for instrumentation and control engineering activities
5. Preparing materials for the maintenance of instrumentation and control plant and equipment
6. Modifying instrumentation and control plant and equipment to meet operational requirements
7. Removing components from instrumentation and control plant and equipment
8. Replacing components in instrumentation and control plant and equipment
9. Establishing the viability of repairing components from instrumentation and control plant and equipment

STAGE THREE (2 Optional Units)

1. Understanding and analyzing detailed instrumentation and control information from technical resources
2. Obtaining information from instrumentation and control engineering diagrams and specifications
3. Analyzing and recommending improvements to maintenance procedures for instrumentation and control plant and equipment
4. Verifying that instrumentation and control engineering processes have been completed to the required specifications
5. Examining the performance and state of instrumentation and control plant and equipment
6. Monitoring the performance and state of instrumentation and control plant and equipment
7. Assessing the performance and state of instrumentation and control plant and equipment
8. Examining instrumentation and control plant and equipment

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LEVEL 3 IVQ Advanced Diploma in Oil & Gas Operations (Process Maintenance Technician)

LOCATION

Malaysia

DURATION

12 Months

ABOUT THIS COURSE

This qualification will provide you with the practical skills and knowledge to undertake an operational role in chemical, hydrocarbons or refining sectors. You will apply safe working practices and follow emergency response procedures. You will learn to operate a production unit, process control and monitor systems and equipment.

AIM OF QUALIFICATION

- Meet the needs of learners who work or want to work in the oil and gas industry.
- Provide a broad background understanding of the oil and gas industry and the practical skills and knowledge required.
- Allow learners to learn, develop and practice the skills required for employment and/or career progression in the oil and gas industry.
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- Encourage learners to reach a level of knowledge and skills that will facilitate progress in employment in the oil and gas industry or to further learning
- Encourage learners to value continued learning and to remain in the learning process

COURSE CONTENT

STAGE ONE (Mandatory Unit)

1. Setting up systems for start up in oil and gas operations
2. Functioning, operating and checking integrated systems

STAGE TWO (2 Optional Units)

1. Organizing integrated systems for shutdown
2. Isolating and restoring plant equipment in oil and gas operations

STAGE THREE (2 Optional Units)

1. Checking and upholding health and safety processes
2. Managing emergencies and critical circumstances
3. Developing, sustaining and improving productive working relationships

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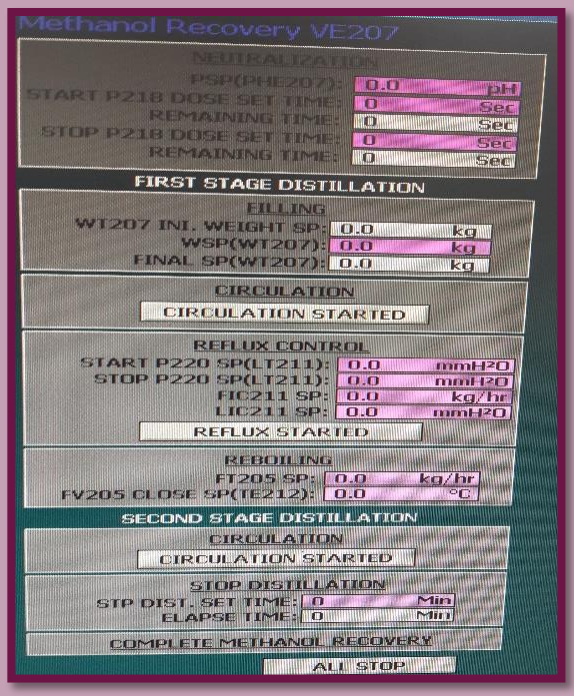
2015
TRAINING CALENDAR

IVQ LEVEL 3 ADVANCED DIPLOMA IN OIL & GAS OPERATIONS

COURSE NAME	DURATION	FIRST INTAKE	SECOND INTAKE
Mechanical Maintenance Technician	12 Months	February Intake	August Intake
Electrical Maintenance Technician			
Instrumentation Maintenance Technician			
Process Technician			

TRAINING PROVIDER WITH TRAINING PLANT


VE202


Methanol Recovery VE207
NEUTRALIZATION
PSP(PHE207): 0.0 pH
START P218 DOSE SET TIME: 0 Sec
REMAINING TIME: 0 Sec
STOP P218 DOSE SET TIME: 0 Sec
REMAINING TIME: 0 Sec
FIRST STAGE DISTILLATION
FILLING
WT207 INI. WEIGHT SP: 0.0 kg
WSP(WT207): 0.0 kg
FINAL SP(WT207): 0.0 kg
CIRCULATION
CIRCULATION STARTED
REFLUX CONTROL
START P220 SP(LT211): 0.0 mmH2O
STOP P220 SP(LT211): 0.0 mmH2O
FIC211 SP: 0.0 kg/hr
LIC211 SP: 0.0 mmH2O
REFLUX STARTED
REBOILING
FT205 SP: 0.0 kg/hr
FV205 CLOSE SP(TE212): 0.0 °C
SECOND STAGE DISTILLATION
CIRCULATION
CIRCULATION STARTED
STOP DISTILLATION
STP DIST. SET TIME: 0 Min
ELAPSE TIME: 0 Min
COMPLETE METHANOL RECOVERY
ALL STOP


YOKOGAWA
GROUP 2
2014/06/15 17:40:10
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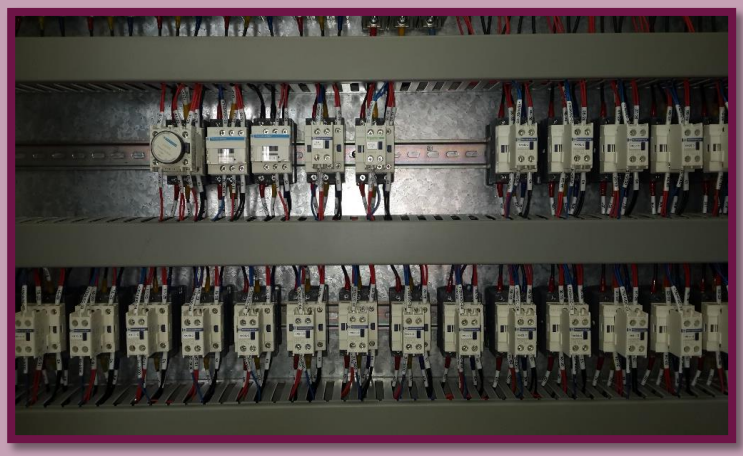
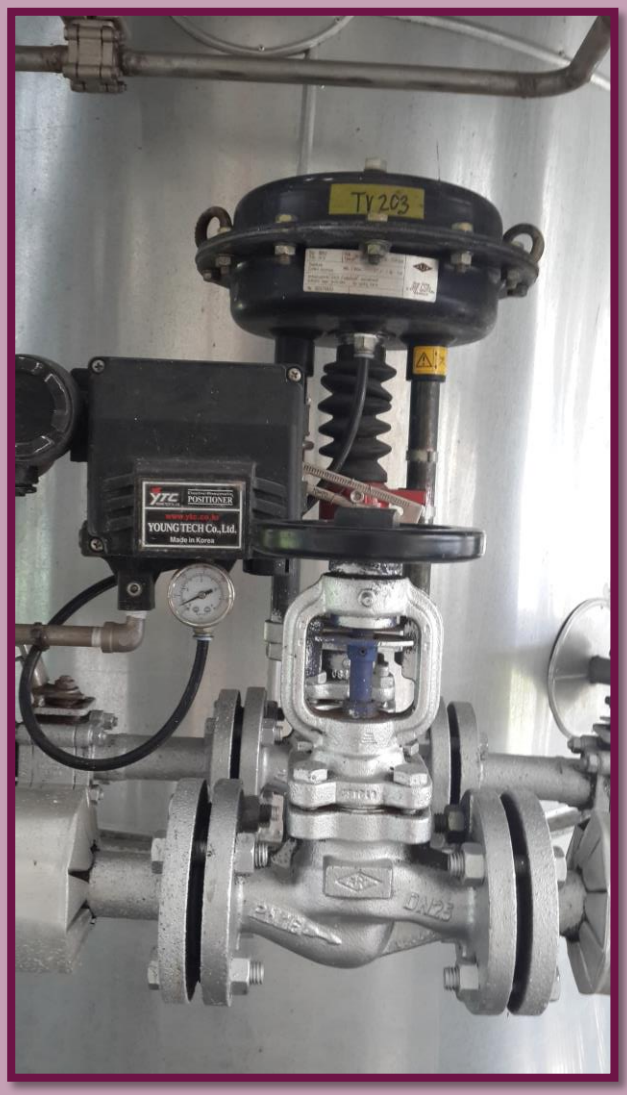
C001 C002 C003 C004 C005 C006 C007 C008 C009 C010
MENU




ANAEROBIC TANK
SBR TANK
SBR TANK
BALANCING


TY 203
YTC
POSITIONER
YOUNGTECH Co., Ltd.
Made in Korea


JH PMT 15079

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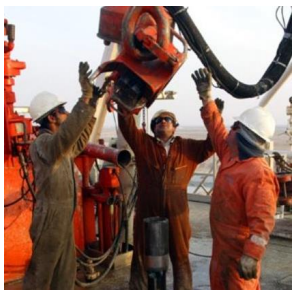
EXECUTIVE DEVELOPMENT PROGRAM



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EXECUTIVE DEVELOPMENT PROGRAM

Geoscience
- Exploration Geoscience
- Reservoir Geoscience
- Geophysics

Petroleum Engineering
- Reservoir Engineering
- Petrophysics
- Production Technology
- Petroleum Economics

Pipeline Engineering
- Pipeline Level 1
- Pipeline Level 2
- Pipeline Level 3

Civil and Structural Engineering
- C & S Level 1
- C & S Level 2
- C & S Level 3

Mechanical Engineering
- Rotating Training
- Static & Piping Training
- Reliability Training
- Subsea Engineering

Inspection and Material Engineering
- Level 1
- Level 2
- Level 3
- External Essential Courses

Operations Management
- Upstream – Programs for E1 & E2
- Downstream – Programs for E1 & E2

Production Planning
- Upstream – Programs for E1 & E2
- Downstream – Programs for E1 & E2

Process Technology
- Programs for E1
- Programs for E2

Process Safety
- Programs for E1
- Programs for E2

Plant Improvement/ Optimization
- Advanced Process Control
- Process Simulation & Optimization

Process Engineering Design
- Upstream – Programs for E1 & E2
- Downstream – Programs for E1 & E2

Technology/ Product Support
- Analytical Technology
- Product Application Support

Health, Safety and Environmental

Project Management

Maritime

Drilling Engineering

Electrical Engineering

Instrumentation Engineering

TRAINING PROVIDER WITH TRAINING PLANT


DIESEL STORAGE TANK
T-6701
DANGER
INSTEP
PETRONAS
COMMON
UTILITIES
PLANT


INSTRUMENT
AIR RECEIVER
V-5402


FIRE WATER STORAGE
TANK
T-5301


01-V-6401

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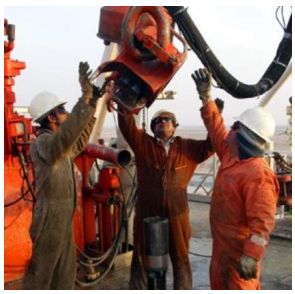
HEALTH, SAFETY & ENVIRONMENTAL (HSE)



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NEBOSH International General Certificate in Occupational Health and Safety

COURSE CONTENT

The syllabus is divided into 3 units:
Unit IGC1: Management of International Health and Safety
Unit IGC2: Control of International Workplace Risks
Unit IGC3: International Health and Safety Practical Application

TARGET GROUP

- Managers
- Supervisors
- Worker Representatives
- Others who require a knowledge and understanding of health and safety principles and practices.

The Certificate provides a sound basis for evaluating risks and hazards in any country, in any business. The NEBOSH International General Certificate is also suitable for those embarking on a career in health and safety, providing a valuable foundation for further professional study.

ABOUT THIS COURSE

NEBOSH International General Certificate is a globally recognized health and safety qualification which is intended for companies or individuals working to international standards with regards to Health, Safety & Environment as this course focuses on the International Labor Standards (ILO) codes of practice.
The Certificate provides a sound basis for evaluating risks and hazards in any country, in any business. The NEBOSH International General Certificate is also suitable for those embarking on a career in health and safety, providing a valuable foundation for further professional study.

Upon successful completion of the certificate, delegates can apply for a membership with Institution of Occupational Safety and Health (IOSH) and/or International Institute of Risk and Safety Management (IIRSM) as its qualification meets the academic requirements for Technician Membership (Tech IOSH) of IOSH and Associate membership (AIIRSM) of the IIRSM.

OBJECTIVES

- Able to demonstrate understanding and implement good health and safety management across all areas of their operation.
- Ensuring that candidates have a sound understanding of the principles of managing risk is a key building block of an effective safety culture.

LOCATION

Malaysia

DURATION

10 Days + 1 Day Exam

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Basic Offshore Safety Induction & Emergency Training (BOSIET)

COURSE CONTENT

- Offshore Overview
- Offshore Hazards
- Safe Working Procedures
- Helicopter Safety Procedures
- Helicopter Underwater Escape Training (HUET)
- Norwegian Helicopter Suit with Rebreather
- Emergency Breathing System Exercises
- Sea Survival
- Skyscape Evacuation Training
- Liferaft Training
- Lifeboat Training as a Passenger
- First Aid / Hypothermia
- Fire Fighting & Self Rescue

TARGET GROUP

Personnel who are new to the offshore oil and gas industry and who require this safety and emergency response training and assessment to work in an offshore, cold water environment.

LOCATION

Malaysia

ABOUT THIS COURSE

The BOSIET course is a minimum requirement to work offshore. The course consists of four modules; Safety Induction, Helicopter Safety and Escape (HUET), Sea Survival and First Aid, Fire Fighting and Self Rescue. The BOSIET is required for cold water areas and includes additional training in the use of survival suits and emergency breathing systems during the HUET module. The courses are OPITO accredited and successful completion results in an internationally recognised certification.

OBJECTIVES

- Gain basic level of understanding and awareness of safety and emergency response procedures on offshore installations.
- Receive an introduction to the safety regime and safety management systems in place to control and mitigate those hazards.
- Following instructor explanation and demonstration delegates must show understanding and competency in the different course modules.

DURATION

3 Days

VALIDITY

4 Years

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OPITO

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Tropical Basic Offshore Safety Induction & Emergency Training (T-BOSIET)

COURSE CONTENT

- Offshore Overview (specific for Asian region)
- Offshore Hazards
- Safe Working Procedures
- Helicopter Safety Procedures
- Helicopter Underwater Escape Training (HUET)
- Sea Survival
- Liferaft Training
- Lifeboat Training as a Passenger
- First Aid / Hypothermia
- Fire Fighting & Self Rescue

TARGET GROUP

Personnel who are new to the offshore oil and gas industry and who require this safety and emergency response training and assessment to work in an offshore, warm water (tropical) environment only.

DURATION

3 Days

VALIDITY

4 Years

ABOUT THIS COURSE

The TBOSIET course is a minimum requirement to work offshore. The course consist of four modules; Safety Induction, Helicopter Safety and Escape (HUET), Sea Survival and First Aid, Fire Fighting and Self Rescue. The TBOSIET is required for tropical water areas. The courses are OPITO accredited and successful completion results in an internationally recognised certification.

OBJECTIVES

- Identify the generic hazards which are specific to offshore oil and gas installations, potential risks associated with those hazards, and how controls are put in place to eliminate or reduce risks.
- Identify key offshore related safety regulations and explain the basic safety management concepts.
- Demonstrate, in a simulated environment, that they can use the safety equipment, and follow procedures in preparing for, and during helicopter emergencies – with particular focus on escaping from a helicopter following ditching.
- Demonstrate sea survival and first aid techniques.
- Demonstrate that they can effectively use basic firefighting equipment, and practise self-rescue techniques in low visibility situations, to include smoke filled areas.

LOCATION

Malaysia

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2015
TRAINING CALENDAR

NEBOSH, BOSIET & T-BOSIET

NEBOSH International General Certificate in Health and Safety
6 April 2015
8 June 2015
3 August 2015
19 October 2015
23 November 2015

Basic Offshore Safety Induction and Emergency Training (BOSIET)
Twice a Week (Mon – Wed) and (Wed – Fri) Location: Johore Bahru and Miri

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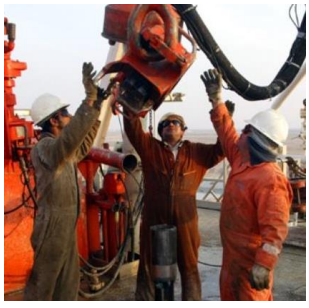
ELECTRICAL EQUIPMENT FOR HAZARDOUS AREA (EEHA)



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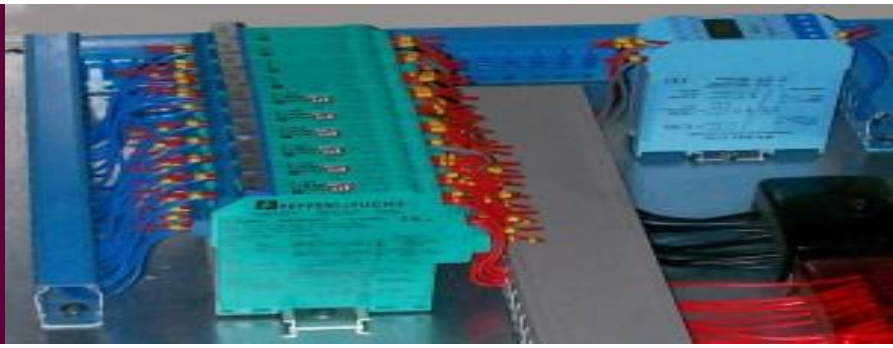

Installation, Maintenance and Detailed Inspection Skill Set – Electrical Equipment for Hazardous Area (EEHA)

COURSE CONTENT

- Integrity of Explosion Protected Equipment in Hazardous areas
- Breakdown in Hazardous Areas
- Explosion Protected Equipment and Wiring System – Gas Atmosphere and Pressurization
- Testing of Hazardous Areas Installation – Gas Atmosphere and Pressurization
- Visual Inspection of Hazardous Areas
- Detailed Inspection of Hazardous Area Installation – Gas Atmosphere and Pressurization

TARGET GROUP

Installation and Maintenance of Electrical and/ or Instrumentation Equipment in Potentially Hazardous Areas.

DURATION

5 Days

LOCATION

Malaysia

ABOUT THIS COURSE

This course is aimed at tradespersons, supervisors or engineers whose job function involves the installation & maintenance of electrical and/or instrumentation equipment in potentially hazardous areas.
MOXI's courses incorporate AS/NZS 60079 series and AS/NZS 4761 standards and are continually maintained to ensure currency.

OBJECTIVES

The students will gain understanding of:

- Combustible substances
- Electrical Explosion Protection Techniques
- Fundamentals of hazardous area classification
- Gas atmosphere
- Pressurization
- Equipment marking
- Certification requirements
- The purpose of hazardous area verification dossier
- maintenance
- visual inspection methods
- details inspection requirements and its application of practical skills in alignment with the requirement of the relevant AS/NZ Standards

CERTIFICATION

MOXI in accordance with AS/NZS4761 Standards for EEHA

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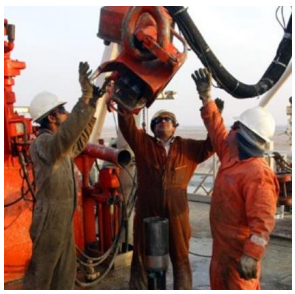
NON-DESTRUCTIVE TESTING (NDT)



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Non Destructive Testing (NDT) – Ultrasonic Testing (UT) Thickness Measurement

COURSE CONTENT

- Principles of Ultrasonics
- Properties of Sound
- Waves, Frequencies, Sound Beam, Attenuation
- Thickness Gauges and Flaw Detectors
- Ultrasonic Compression Probes
- Calibration Blocks, Calibration, Sensitivity, Sizing Techniques
- Practical Exercises on Various Test Specimens
- Testing of Parent Plates
- Lamination and Thickness Measurement
- Report and Instruction Writing

OBJECTIVES

- To explain the theoretical background of the techniques
- To calibrate ultrasonic equipment
- To measure the thickness of steel plates and determine levels of attenuation
- To locate and evaluate laminations
- To select the correct type of probe to examine welded butt joints in steel plate and aerospace components/structures
- To report on the location and size of defects in typical welded butt joints
- To interpret code requirements
- To meet the syllabus requirements for PCN/CSWIP Levels 1 and 2.

TRAINING REQUIREMENT

The minimum required duration of training, which includes both theoretical and practical elements, is:

- Level 1 - 40 hours
- Level 2 - 80 hours (Direct Level 2: 120 hours)

TARGET GROUP

All personnel including testers, inspectors, engineers and surveyors who require a thorough and comprehensive introduction to ultrasonic testing of welded joints.

LOCATION

Malaysia

CERTIFICATION SCHEME CSWIP FOR PERSONNEL

PCN

THINK PLUS ACADEMY

ThinkPlus Consulting Sdn.Bhd

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Website : www.thinkplus-academy.com

Non Destructive Testing (NDT) – Ultrasonic Testing (UT) Weld

COURSE CONTENT

- Basic Principles of Sound
- Generation and Detection of Sound
- Behaviour of Sound in a Material
- The Flaw Detector
- Use of Angled Beam Probes for Weld Scanning
- Welding Processes and Weld Defects
- Practical Exercises on Test Specimens containing Simulated Flaws
- Examination of Parent Plate, Butt Welds
- Instruction Writing

The course ends with the certification examination.

TARGET GROUP

All personnel including testers, inspectors, engineers and surveyors who require a thorough and comprehensive introduction to ultrasonic testing of welded joints.

LOCATION

Malaysia

OBJECTIVES

- To explain the theoretical background of the techniques
- To calibrate ultrasonic equipment
- To measure the thickness of steel plates and determine levels of attenuation
- To locate and evaluate laminations
- To select the correct type of probe to examine welded butt joints in steel plate and aerospace components/structures
- To report on the location and size of defects in typical welded butt joints
- To interpret code requirements
- To meet the syllabus requirements for PCN/CSWIP Levels 1 and 2.

TRAINING REQUIREMENT

The minimum required duration of training, which includes both theoretical and practical elements, is:

- Level 1 - 40 hours
- Level 2 - 80 hours (Direct Level 2: 120 hours)

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PCN

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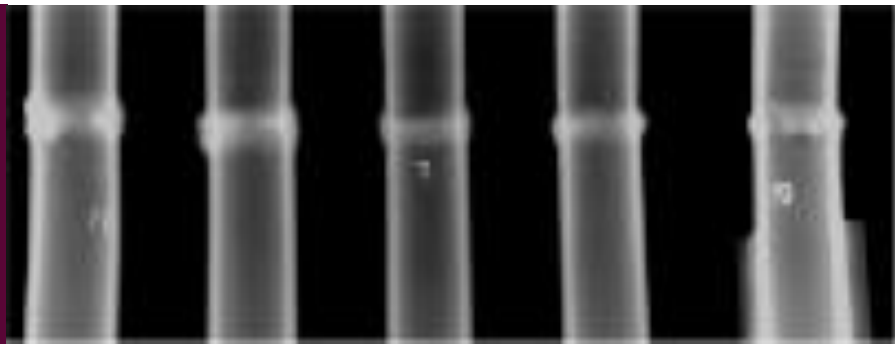

Non Destructive Testing (NDT) – Radiographic Interpretation (RI)

COURSE CONTENT

- Weld Defects and Their Components
- Viewing Conditions
- Identification of Radiographs
- Spurious Indications and Film Artefacts
- Appreciation of Radiographic Principles and Parameters of Interpretation
- Standards for Radiographic Practice,
- Interpretation Tutorial
- Acceptance Criteria

TARGET GROUP

- Radiographers
- Inspectors
- Engineers
- Surveyors

TRAINING REQUIREMENT

The minimum required duration of training, which includes both theoretical and practical elements is:

- Level 1 - not applicable
- Level 2 - 56 hours

LOCATION

Malaysia

OBJECTIVES

- To list radiographic techniques
- To state origins of defects
- To recognise and differentiate between film artefacts and defect indications
- To interpret radiographs
- To meet the syllabus for CSWIP/PCN Level 2

ADDITIONAL INFORMATION

It is essential that course attendees have a good knowledge of radiographic theory and it is strongly recommended that those without that knowledge attend the Radiographic Interpretation (Part A) course.

If you have a good understanding of the RT theory or a Radiographic Testing qualification, a distance learning package is available (at additional cost) to carry out 16 hours of self study to meet the 56 training hour requirement of the certification schemes, before attending the Radiographic Interpretation course NDT2B. Please contact the training centre in advance if selecting this training option.

An assessment of theoretical Radiographic Testing (RT) knowledge will be taken on the first day of the course, but only minimal theoretical RT training will be provided during the Rad Interp course (NDT2B).

PCN

CERTIFICATION SCHEME CSWIP FOR PERSONNEL

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2015
TRAINING CALENDAR

NON-DESTRUCTIVE TESTING

Ultrasonic Testing (UT) – Thickness Measurement (1 Weeks)
30th March
22nd June
19th October
30th November

Ultrasonic Testing (UT) – Welds (2 Weeks)
30th March
22nd June
19th October
30th November

Radio-graphic Interpretation (RI) (1 Week)
9th March
18th May
22nd June
3rd August
19th October
14th December

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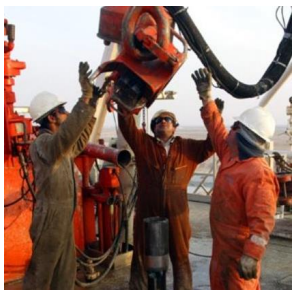
PLANT INSPECTION



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API 570 Piping Inspection

ABOUT THIS COURSE

This course will prepare an Inspector to successfully complete the API 570 Authorized Piping Inspector Certification Examination by thoroughly reviewing the API 570 Standard, APT CERT 571, API CERT 574, API CERT 577, API CERT 578 the ASME Boiler and Pressure Vessel Code Sections V and IX, and the ASME Code for Pressure Piping B16.5 and B31.3. Mock examination questions, meeting the appropriate specific examination criteria, will be utilized to simulate actual API test conditions, providing an effective study base.

WHO SHOULD ATTEND

This course is tailored for Engineers, Supervisors, Managers and personnel who are interested in the API 653 program, or who are responsible for inspection, maintenance, repair and alteration of Aboveground Storage Tanks, and who wish to present themselves for the Aboveground Storage Tank Inspector Certification Examination

OBJECTIVES

- To provide a continued high level of safety through the use of inspectors specialized in process piping
- To improve management control of process unit inspection, repair, alteration and rerating
- To reduce the potential for inspection delays resulting from regulatory requirements

COURSE CONTENT

Detailed explanations of all the information covered in the API 570 'Body of Knowledge' including:

- ASME welding requirements for pressure piping section IX and B31.3 VIII
- ASME non-destructive testing principles and application of Section V
- Pressure piping design review ASME B31.3, weld sizes, pipe branch reinforcement, brittle fracture, weld efficiency factors, post weld heat treatment
- Pressure piping inspection practices
- API 570 inspection, repair and re-rating of piping, inspection intervals, inspection requirements, relationships to ASME codes.
- Corrosion, minimum thickness determination and remaining life calculations
- Inspection and degradation mechanisms of piping corrosion and cracking mechanisms, erosion, common corrodents, hydrogen and H2S damage, alloy degradation

LOCATION

Malaysia

DURATION

1 Week

VALIDITY

3 Years

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API 510 Pressure Vessel Inspection

ABOUT THIS COURSE

Progressive corrosion deteriorates pressure retaining walls to such an extent that there is always a threat of major break down which may lead to fire or some time to explosion. To avoid such accidents API has developed systematic ways to carry out 'In-service Inspection' to determine rate of corrosion and the remaining life of the equipment and piping.

WHO SHOULD ATTEND

Piping inspection engineers and managers, Inspection personnel, operating engineers and managers, who wish to sit for API 510 examination. Maintenance engineers and technicians and people involved in trouble shooting of plant operations.

LOCATION

Malaysia

DURATION

1 Week

VALIDITY

3 Years

OBJECTIVES

- Knowledge and expertise that required for maintenance, rating, inspection, repair and alteration of in-service pressure vessel
- Information of API Individual Certification Program and API 510 Inspector certification process
- Practical test that simulating the API 510 ICP exam
- Competence and confidence to finally achieve API 510 ICP qualification

COURSE CONTENT

- Detailed explanations of all the information covered in the API 510 'Body of Knowledge' including ASME welding requirements for pressure vessels section IX and VIII
- ASME non-destructive testing principles and application of Section V
- Pressure vessel design review SME Section VIII, weld sizes, vessel nozzle reinforcement, brittle fracture, weld efficiency factors, post weld heat treatment
- Pressure relieving devices, valves, bursting discs, setting, testing and inspection; API 510 inspection, repair and rerating of vessels, inspection intervals, inspection requirements, relationships to ASME codes. Corrosion, minimum thickness determination and remaining life calculations
- Inspection and degradation mechanisms of pressure vessels, corrosion and cracking mechanisms
- Erosion, common corrodents, hydrogen and H2S damage, alloy degradation

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API 653 Aboveground Tank Inspection

ABOUT THIS COURSE

The American Petroleum Institute initiated an Above Ground Storage Tank Inspector Certification Program with the issuance of Supplement 1 to API 653, Tank Inspection, Repair, Alteration, and Reconstruction. The program was developed with the participation storage tank owner/users, and establishes a uniform national program that will assist state and local governments in above ground storage tank regulations.

OBJECTIVES

The course provides participants with the knowledge necessary to:

- Successfully pass the API 653 storage tank inspector certification exam
- Effectively use major codes, API 650 and ASME B&PV Sections V & IX
- Perform all tank calculations needed for the API exam (e.g. tmin, MRT, max settlement, MDMT, corrosion rates, remaining life, etc.)
- Use API's requirements during inspection, repairs, and alterations of tanks
- Review welding procedures (WPS/PQR) and welder performance qualifications (WPQ)

WHO SHOULD ATTEND

Tank inspection engineers and managers, Inspection personnel, operating engineers and managers and for those who wish to sit for API 653 examination. Maintenance engineers and technicians and people involved in trouble shooting of plant operations

COURSE CONTENT

Detailed explanations of all the information covered in the API 653 'Body of Knowledge' including ASME welding requirements for storage tanks sections IX and API 650; ASME non-destructive testing principles and application of section V; storage tank design review API 650, weld sizes, tank nozzle reinforcement, brittle fracture, weld efficiency factors, post weld heat treatment; API 653 inspection, repair alteration and reconstruction of tanks, inspection intervals, inspection requirements, relationships to ASME codes. Corrosion, minimum thickness determination and remaining life calculations; inspection and degradation mechanisms of API 575, cathodic protection and internal coatings for storage tanks. Safety and preparation issues on tank floors for repair.

LOCATION

Malaysia

DURATION

1 Week

VALIDITY

3 Years

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2015
TRAINING CALENDAR

PLANT INSPECTION

API 570 Piping Inspector (1 Week)
6th April
1st June

API 510 Pressure Vessel Inspector (1 Week)
30th March
31st August

API 653 Above Ground Storage Tank Inspector (1 Week)
29th June

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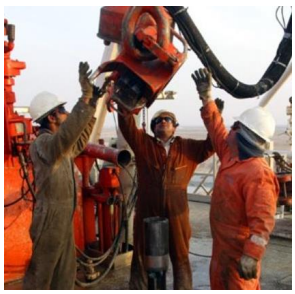
MARINE



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WG International

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Introduction to Marine Operations for FPSO's

ABOUT THIS COURSE

This introduction course provides attendees with the underpinning knowledge of marine operations as the pertain to Floating Production Storage Offloading (FPSO) operations.

TARGET GROUP

Any person wishing to gain an understanding of Marine Operations on board and FPSO

COURSE CONTENT

- Ship Construction
- Stability - Transverse/Longitudinal
- Meteorology
- Tanker work – general arrangement, cargo system, safety
- Marine VHF Radio Communications - Nomenclature
- Cargo Measurement

Permit To Work

ABOUT THIS COURSE

Formally delivered criteria for control and risk reduction when undertaking pre planned work that is hazardous, either because of its location or the nature of the activities

COURSE CONTENT

- Identify the objectives of the Permit to Work (PTW) system
- Define major roles & responsibilities of personnel working under the PTW system
- Define terms used in preparation & issuing of permits to work
- Complete permits & associated certificates to PTW procedural requirements

TARGET GROUP

Offshore Installation Managers, Facility Management Team and Duty Control Room Production Technicians, long term regular contractors and visitors who will have the need to perform any work which requires a permit to work.

PRIOR EXPERIENCE REQUIRED

Candidates must be involved in work on the facility which is controlled by a Work Permit and as such, must be actively involved in discussions and activities such as “Toolbox” meetings and Risk Assessments related to safety considerations for the work to be performed

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Management of Major Emergencies (MOME) Training

COURSE CONTENT

- Emergency Management Philosophy
- Roles and Responsibilities
- Information Management
- Command and Control
- Emergency Response Procedures
- Leadership and Team Management
- Communications
- Dealing with Stress

TARGET GROUP

- Offshore Installation Managers
- Facility Management Team
- Duty Control Room Production Technicians
- Long term regular contractors
- Visitors who will have the need to perform any work which requires a permit to work.

ABOUT THIS COURSE

This course is designed to introduce offshore operators to the philosophy and underpinning knowledge behind Major Emergency Management on an offshore facility. The intent is to train personnel through theory, simulation and practical demonstration in the techniques of Major Emergency Management To review and test company procedures related to Emergency Response. To identify any areas of deficiency in Emergency Response (site specific) and to increase awareness of Asset Loss Prevention.

This program is a nationally accredited program in Australia and fulfils the requirements of the PMA08 OMIR Units of Competency. This program can be conducted as a generic or a site specific course if required. The simulator is configured to replicate site detection and process logic

OBJECTIVE

The course is designed for those who are destined to assume the role of PIC in an emergency and for them to develop their skills and understanding of what they should do when faced with a major emergency.

ADMISSION REQUIREMENTS

The course is designed for those who are destined to assume the role of EM or a member of the Emergency Management Team (EMT) in an emergency or anyone from a high-risk industry who needs to understand more about the management of major emergencies.

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Management of Drilling Emergencies (MODE)

AIM

This program is designed to provide dedicated Drilling, Ballast Control & Rig Floor personnel working on MODU facilities with the essential knowledge & experience to be both effective & efficient during an emergency situation by identifying & reducing risk, minimising the potential loss of life (PLL) & Environmental damage whilst conducting drilling operations offshore.

TARGET GROUP

- Company Representative
- Rig Manager & Assistant Rig Manager
- Tool Pusher
- Driller & Assistant Driller
- Derrickmen & Floormen
- Barge Engineer
- Chief Mechanic & Chief Electrician

DURATION

3 Days

PROGRAM SYLLABUS

Theory & Underpinning Knowledge Sessions

- Emergency Response Management Philosophy
- HSE Case Guidelines (IADC) & Case Studies
- Roles & Responsibilities of Drilling Personnel during Emergency Situations
- Command, Control & Communications during Emergency Situations
- Human Factors
- Drilling Operations Identified Threats & Risks (SHIDAC & SIMOPS)
- Well Control & Stability during Emergency Situations
- Abandonment & Environmental Procedures & Regulations

Practical Scenario Sessions

- Spill Response
- Shallow Gas Blowout
- Well Control Situation
- Fire & Explosion
- Mooring Failure
- Collision with another vessel
- Rescue from Heights or Confined Space
- H2S Release
- Loss of Stability
- Foundation Failure

Within the above identified scenarios the following events could also be applied

- Incident Leading to Evacuation or Abandonment
- SAR for missing or MOB personnel
- Extreme Weather Conditions
- Total Power Failure
- Medivac Situation
- Loss of Key Personnel or Services

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Familiarisation and Pre Production Start Up Training & Assessment

COURSE CONTENT

This training may include formal courses delivered either;

- on-site or off-the-job,
- facility specific on the-job and
- competency based training and assessment (CBTA).

In addition to having the required qualifications and the relevant experience needed for their position, personnel need to undergo this type of training and also meet the CBTA requirements for their position before they can perform their role safely and competently.

ABOUT THIS COURSE

One of the most important areas of the Pre Production Start Up is ensuring that all personnel who are to operate the facility are in fact familiar and competent to do so. All personnel need to be trained as per their Position Descriptions and Role Competency profiles as well as being familiar with the actual facility they are to operate when connected to the riser.

REQUIREMENTS

The training requirements are generally developed from the outcomes of a training need analysis (TNA) conducted at an earlier stage of the project. The emphasis will also be on any Safety Critical Activities as identified in the Safety Case. This may include technical aspects of the operation including equipment and vendor specific training or specific HSE components of the operation. This primarily involves the Operations personnel but can also include support base and office sites particularly in relation to emergency response. Legislative and company specific requirements must also be met.

TRAINING LOCATION

A perfect location for certain aspects of the Familiarisation and Training of personnel in the operation of the facility is at the ship yard during the conversion stage of the facility.
Personnel by this stage will have access to all drawings, P&ID's, procedures and relevant documentation needed to become familiar with the facility operations. This will ensure that the training is relevant to the operation of the facility.

LOCATION OF COURSE CAN BE CONDUCTED:

MALAYSIA
&
INDONESIA

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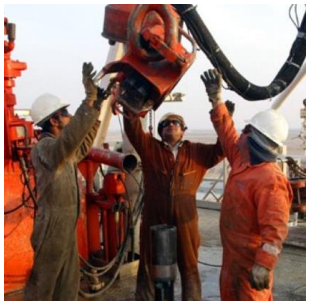
COLaN - ENGINEERING + SIMULATION



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10 Days – Engineering + Simulation

COURSE OFFERED

1. Process Simulation
2. Process + Simulation
3. Mechanical + Simulation
4. Electrical + Simulation
5. Instrumentation + Simulation
6. Drilling + Simulation

LOCATION

Malaysia & Indonesia

ABOUT THIS COURSE

The courses will be held in collaboration with Pusdiklat Migas and Akamigas Training Centre in Indonesia. The purpose of this course is to produce human resources provider, leader, assistant supervisor, supervisor Engineering Oil and Gas Processing and integrate professional and able to compete in the global market. It is also to generate human resources in the field of engineering and electronic instruments I the energy and minerals sector as instrument supervisor and electric field supervisor.

OBJECTIVES

At the end of this course, participants would be able to:

- Work professionally in performing complex work.
- Plan, implement and solve problems independently in the field of oil processing.
- Master the technology and electrical instrumentation that includes installation, operation and maintenance in the energy sector and mineral industry.
- Perform the evaluation and optimization of instrumentation and electrical system in industrial processes.
- Perform design instrumentation and electrical system in industrial processes.
- Utilize and apply information technology and communications.
- Understand the safety management in the field of oil and gas processing.

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2015
TRAINING CALENDAR
COLaN – ENGINEERING + SIMULATION

Process Simulation
5th - 16th Jan
16th - 27th Feb
2nd - 13th Mar
20th - 1st Apr
18th - 29th May
1st - 12th June
6th - 17thJuly
3rd - 14th Aug
31st - 11th Sept
5th - 16th Oct
2nd - 13th Nov
7th - 18th Dec

Process + Simulation
5th - 16th Jan
16th - 27th Feb
2nd - 13th Mar
20th - 1st Apr
18th - 29th May
1st - 12th June
6th - 17th July
3rd - 14th Aug
31st - 11th Sept
5th - 16th Oct
2nd - 13th Nov
7th - 18th Dec

Instrumentation + Simulation
5th - 16th Jan
16th - 27th Feb
2nd - 13th Mar
20th - 1st Apr
18th - 29th May
15th – 26th June
6th - 17th July
3rd - 14th Aug
31st - 11th Sept
5th - 16th Oct
2nd - 13th Nov
7th - 18th Dec

Mechanical + Simulation
19th - 30th Jan
2nd - 13th Feb
16th - 27th Mar
6th - 17th Apr
4th - 15th May
15th - 26th June
6th - 17th July
3rd - 14th Aug
31st - 11th Sept
5th - 16th Oct
2nd - 13th Nov
7th - 18th Dec

Electrical + Simulation
19th - 30th Jan
2nd - 13th Feb
2nd - 13th Mar
6th - 17th Apr
4th - 15th May
1st - 12th June
6th - 17th July
3rd - 14th Aug
31st - 11th Sept
5th - 16th Oct
2nd - 13th Nov
7th - 18th Dec

Drilling + Simulation
12th - 23rd Jan
9th - 20th Feb
9th - 20th Mar
13th - 24th Apr
11th - 22nd May
8th – 19th June
6th - 17th July
3rd - 14th Aug
31st - 11th Sept
5th - 16th Oct
2nd - 13th Nov
7th - 18th Dec

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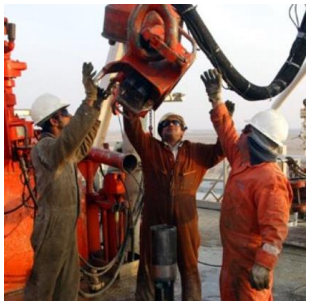
CHALLENGER ENGINEERING CERTIFICATE & DIPLOMA



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Certificate II in Process Plant Operation

COURSE CONTENT

Students must complete 16 units, including 5 mandatory units shown below, and at least 11 elective units.

5 Mandatory Units

- Follow emergency response procedures
- Apply workplace procedures
- Communicate in the workplace
- Participate in environmentally sustainable work practices
- Work safely

Elective Units

- Read dials and indicators
- Work in a team
- Interpret process plant schematics
- Process and record information
- Work in accordance with an issued permit
- Operate equipment
- Operate fluid flow equipment
- Operate separation equipment
- Clean workplace or equipment
- Control minor incidents
- Operate and monitor valve systems

TARGET GROUP

This course has been designed for mangers, supervisor, and operators in process plant and to whom is interested to work in process plant operation.

ABOUT THIS COURSE

This qualification will provide you with the essential skills and knowledge to undertake an operational role in chemical, hydrocarbons or refining sectors. You will learn to work safely and efficiently as an operator of equipment and processes within the industry. You will also learn about quality practices and workplace communication. This course forms part of the Chemical, Hydrocarbons and Oil Refining Training Package giving you exposure to the fundamentals of process plant operations.

The Certificate II in Process Plant Operations is intended for competent operators who operate production equipment or undertake similar roles directly producing products. The operator would apply a breadth and depth of knowledge to a defined range of situations and would be expected to apply this knowledge to solve a defined range of problems by applying known solutions to a limited range of predictable problems.

COURSE OBJECTIVES

- To have Knowledge and experience to access highly rewarding entry-level trainee production operator jobs.
- To prepare new employees or develop existing workers performing an operational role in the chemical, hydrocarbons or refining sectors.
- To apply a breadth and depth of knowledge to a defined range of situations in process plant operations.
- To relate process operating knowledge to solve a defined range of problems by applying known solutions to a limited range of predictable problems.

LOCATION

Malaysia

DURATION

6 Months

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Certificate III in Process Plant Operation

COURSE CONTENT

Students must complete 21 units, including 5 mandatory units shown below, and at least 4 elective units.

5 Mandatory Units

- Follow emergency response procedures
- Apply workplace procedures
- Communicate in the workplace
- Participate in environmentally sustainable work practices
- Work safely

Elective Units

- Operate A Production Unit
- Produce Product By Distillation
- Operate Reactors And Reaction Equipment
- Operate And Monitor Compressor Systems And Equipment
- Operate Process Control Equipment
- Undertake Ship Loading /Unloading
- Conduct Artificial Lift
- Undertake Well Management
- Produce Product Using Gas Absorption
- Produce Product Using Fixed Bed Hydration
- Conduct Pipeline Pigging
- Operate Cryogenic Processes
- Operate A Gas Turbine
- Operate And Monitor A Steam Turbine
- Shutdown And Isolate Machines/ Equipment
- Issue Work Permits
- Provide Training Through Instruction And Demonstration Of Work Skills

ABOUT THIS COURSE

This qualification will provide you with the essential skills and knowledge to undertake an operational role in chemical, hydrocarbons or refining sectors. You will learn to work safely and efficiently as an operator of equipment and processes within the industry. You will also learn about quality practices and workplace communication. This course forms part of the Chemical, Hydrocarbons and Oil Refining Training Package giving you exposure to the fundamentals of process plant operations.

You will be able to work without supervision to operate process trains. Your training will allow you to utilize skills in the following areas:

- Cryogenic Processes
- Transfer Liquids Between Storage Facilities
- Operate Process Control Systems
- Operate And Monitor Compressor Systems And Equipment.

TARGET GROUP

This course has been designed for mangers, supervisor, operators and technicians in process plant and to whom is interested to work in process plant operation

COURSE OBJECTIVES

- To develop employees performing an advanced operational role that includes an ability to work independently
- To learn how to conduct technical problem solving according to the needs of the work in the chemical, hydrocarbons or refining sectors.
- To solve a range of foreseen and unforeseen problems, using product and process knowledge to develop solutions to problems which do not have a known solution, or a solution recorded in the procedures.

LOCATION

Malaysia

DURATION

6 Months

Think Plus Academy Sdn Bhd
A-7-1, Ativo Plaza,
Bandar Sri Damansara,
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Tel : +60362804985
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Certificate IV in Process Plant Technology

COURSE CONTENT

Students must complete 21 units, including 5 mandatory units shown below, and at least 3 elective units.

5 Mandatory Units

- Follow emergency response procedures
- Apply workplace procedures
- Communicate in the workplace
- Participate in environmentally sustainable work practices
- Work safely

Elective Units

- Optimize process/plant area
- Monitor remote production facilities
- Manage plant shutdown and restart
- Lead team culture
- Ensure process improvements are sustained
- Improve cost factors in work practices
- Contribute to workplace OHS Management system
- Assess risk
- Coordinate maintenance
- Coordinate permit process
- Coordinate incident response
- Develop plant documentation
- Commission/Recommission plant
- Decommission plant
- Participate in HAZOP studies
- Plan assessment activities and processes
- Assess competence
- Respond to abnormal process situations
- Solve color problems
- Operate complex control systems
- Trial new process product

ABOUT THIS COURSE

This qualification will provide you with the practical skills and knowledge to work in the chemical, hydrocarbons and/or oil industry. You will gain skills in a wide variety of competencies relating to the industry. Most of these are complex and non-routine, and include skills in planning, developing procedures,

You will graduate with high-level technical training to become a senior operator in the chemical, hydrocarbons and refining industries.

TARGET GROUP

This course has been designed for senior operators in the chemical, Hydrocarbons and refining industries.

COURSE OBJECTIVES

- To prove competence by completing practical assessments in the work place, as well as showing theoretical competence.
- To gain skills in a wide variety of competencies relating to the processing industry.

DURATION

6 Months

LOCATION

Malaysia

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Diploma in Process Plant Technology

COURSE CONTENT

Students must complete 10 units, including 4 mandatory units shown below, and at least 4 elective units.

5 Mandatory Units

- Participate in environmentally sustainable work practices
- Work safely
- Achieve work outcomes
- Process and record information

Elective Units

- Provide operational expertise to a project team
- Control the processes in abnormal situations
- determine energy transfer loads
- determine mass transfer loads
- Manage utilities
- Plan plant shutdown
- Coordinate plant shut down
- Facilitate work team
- Manage operational plan
- Maintain the workplace OHS management system
- Manage risk
- Contribute to a safety case
- Manage emergency incidents
- Establish incident response preparedness
- and systems
- Optimise production system
- Analyze equipment performance

ABOUT THIS COURSE

The diploma level provides advanced technical training to those who operate production plants. You may have
completed the Certificate IV in Process Plant Technology or another relevant qualification, or may have significant
industry experience without a formal qualification.

The Diploma level provides advanced technical training to those who operate production plants. You may have completed the Certificate IV in Process Plant Technology or another relevant qualification, or may have significant industry experience without a formal qualification.

TARGET GROUP

This course has been designed technologist and para-professional plant operators

LOCATION

Malaysia

DURATION

6 Months

COURSE OBJECTIVES

- To provide practical skills and knowledge in planning and managing plant shutdowns
- To take a lead role in the establishment of systems intended to prevent incidents
- To learn about safety case preparation, incident response management and plant documentation
- To ensure the environmental impacts are taken into consideration

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Advanced Diploma in Process Plant Technology

COURSE CONTENT

Students must complete 15 units, including 4 mandatory units shown below, and at least 2 elective units.

5 Mandatory Units

- Participate in environmentally sustainable work practices
- Work safely
- Achieve work outcomes
- Process and record information

Elective Units

- Modify plant
- De-bottleneck plant
- Manage people relationships
- Manage workplace learning
- Establish a workplace OHS system
- Build partnerships to improve incident response
- Manage diversity
- Manage environmental management systems
- Manage change
- Manage a crisis
- Maintain a quality system and continuous improvement process within a work or functional area
- Manage 5s system in an organization
- Implement a continuous improvement system

ABOUT THIS COURSE

This qualification provides advanced technical training to those in senior roles at production on plants or those who have significant industry experience without a formal qualification.

COURSE OBJECTIVES

- To provide practical skills and knowledge in planning and managing plant shutdowns
- To take a lead role in the establishment of systems intended to prevent incidents
- To learn about safety case preparation, incident response management and plant documentation
- To ensure the environmental impacts are taken into consideration in process plant technology

TARGET GROUP

This course has been designed technologist and para-professionals

DURATION

6 Months

LOCATION

Malaysia

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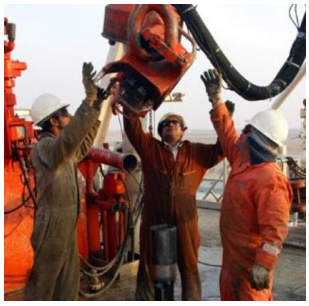
CHALLENGER RPL CERTIFICATION



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Certificate IV in Engineering Maintenance (Electrical)

COURSE CONTENT

- Credit transfer or RPL for existing qualifications and skills (upon interview and evidence)
- Review of engineering mathematics
- Technical documentation interpretation and report writing
- Condition monitoring recording and analysis of results
- Pneumatics and hydraulics
- Fault finding methods and equipment
- Supervisory OH & S, teamwork and quality improvement
- Computer based planning and scheduling

ABOUT THIS COURSE

The Certificate IV in Engineering specifies the competencies required for employment as a Higher Engineering Tradesperson or a Special Class Engineering Tradesperson. The job role involves application of additional skills in the learner's trade or cross skills from other trades. Job roles may include the design, assembly, manufacture, installation, modification, testing, fault finding, commissioning, maintenance and service of equipment and machinery, the fabrication of structures and assemblies, manufacture of sheet metal work, as well as use of relevant machinery, equipment and joining techniques. Machinery and equipment can include fluid power systems, stationary and mobile equipment, instruments, refrigeration, and the use of computer controlled machine tools.

DURATION

This course is 20 weeks full-time, and is available via off -campus learning to those working in the industry or a relevant industry - chemical or mining.

TARGET GROUP

This course has been designed for mangers, supervisor, operators and technicians working in the industry or a relevant industry – chemical or mining.

LOCATION

Malaysia

COURSE OBJECTIVES

- To provide practical skills and knowledge to produce drawings to design specifications for manufacture by an engineering workshop.
- To learn a range of electrical skills as well as develop your knowledge of engineering processes and principles.
- To develop skills in computing and engineering graphics.
- To understand about maths and science, materials, systems, standards and processes, safety in the workplace, effective communication and quality controls.

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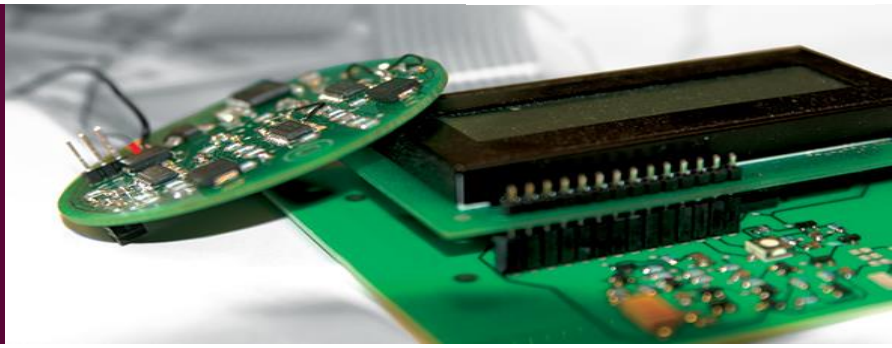

Certificate IV in Engineering Maintenance (Instrumentation)

COURSE CONTENT

- Credit transfer or RPL for existing qualifications and skills (upon interview and evidence)
- Review of engineering mathematics
- Technical documentation interpretation and report writing
- Control and instrumentation concepts
- Sensors, transmitters and final control elements
- Fault finding, installation and maintenance of instrumentation components
- Calibration of instruments
- Introduction to loop tuning
- Digital electronics
- Process control analyzers (optional)

ABOUT THIS COURSE

The Certificate IV in Engineering specifies the competencies required for employment as a Higher Engineering Tradesperson or a Special Class Engineering Tradesperson. The job role involves application of additional skills in the learner's trade or cross skills from other trades. Job roles may include the design, assembly, manufacture, installation, modification, testing, fault finding, commissioning, maintenance and service of equipment and machinery, the fabrication of structures and assemblies, manufacture of sheet metal work, as well as use of relevant machinery, equipment and joining techniques. Machinery and equipment can include fluid power systems, stationary and mobile equipment, instruments, refrigeration, and the use of computer controlled machine tools.

DURATION

This course is 20 weeks full-time, and is available via off -campus learning to those working in the industry or a relevant industry - chemical or mining.

TARGET GROUP

This course has been designed for mangers, supervisor, operators and technicians working in the industry or a relevant industry – chemical or mining.

LOCATION

Malaysia

COURSE OBJECTIVES

- To provide practical skills and knowledge to produce drawings to design specifications for manufacture by an engineering workshop.
- To learn a range of electrical skills as well as develop your knowledge of engineering processes and principles.
- To develop skills in computing and engineering graphics.
- To understand about maths and science, materials, systems, standards and processes, safety in the workplace, effective communication and quality controls.

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Certificate IV in Engineering Maintenance (Mechanical)

COURSE CONTENT

- Credit transfer or RPL for existing qualifications and skills (upon interview and evidence)
- Review of engineering mathematics
- Technical documentation interpretation and report writing
- Condition monitoring recording and analysis of results
- Advanced pneumatics and hydraulics
- Leveling and alignment
- Bearing and seals
- Supervisory OH & S, teamwork and quality improvement
- Computer based planning and scheduling

ABOUT THIS COURSE

The Certificate IV in Engineering specifies the competencies required for employment as a Higher Engineering Tradesperson or a Special Class Engineering Tradesperson. The job role involves application of additional skills in the learner's trade or cross skills from other trades. Job roles may include the design, assembly, manufacture, installation, modification, testing, fault finding, commissioning, maintenance and service of equipment and machinery, the fabrication of structures and assemblies, manufacture of sheet metal work, as well as use of relevant machinery, equipment and joining techniques. Machinery and equipment can include fluid power systems, stationary and mobile equipment, instruments, refrigeration, and the use of computer controlled machine tools.

DURATION

This course is 20 weeks full-time, and is available via off -campus learning to those working in the industry or a relevant industry - chemical or mining.

TARGET GROUP

This course has been designed for mangers, supervisor, operators and technicians working in the industry or a relevant industry – chemical or mining.

LOCATION

Malaysia

COURSE OBJECTIVES

- To provide practical skills and knowledge to produce drawings to design specifications for manufacture by an engineering workshop.
- To learn a range of electrical skills as well as develop your knowledge of engineering processes and principles.
- To develop skills in computing and engineering graphics.
- To understand about maths and science, materials, systems, standards and processes, safety in the workplace, effective communication and quality controls.

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2015
TRAINING CALENDAR

CHALLENGER ENGINEERING CERTIFICATION, DIPLOMA COURSES AND RPL CERTIFICATION

COURSE NAME	DURATION	FIRST INTAKE	SECOND INTAKE
Certificate II in Process Plant Operation	6 Months	Jan Intake	July Intake
Certificate III in Process Plant Operation			
Certificate IV in Process Plant Operation			
Diploma in Process Plant Technology			
Advanced Diploma in Process Plant Technology			
Certificate IV in Engineering Maintenance (Electrical)			
Certificate IV in Engineering Maintenance (Instrumentation)			
Certificate IV in Engineering Maintenance (Mechanical)			

TRAINING PROVIDER WITH TRAINING PLANT


BADAN DIKLAT ESDM
ENERGI DAN SUMBER DAYA MINERAL
PUSDIKLAT MIGAS


①
②


②


KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL
BADAN PENDIDIKAN DAN PELATIHAN ENERGI DAN SUMBER DAYA MINERAL
AKAMIGAS-STEM
JALAN GAJAH MADA NO. 38 CEPU 58315 KAB. BLORA - JAWA TENGAH


PUSDIKLAT MIGAS

LOCATION OF COURSE CAN BE CONDUCTED:

MALAYSIA
&
WORLDWIDE

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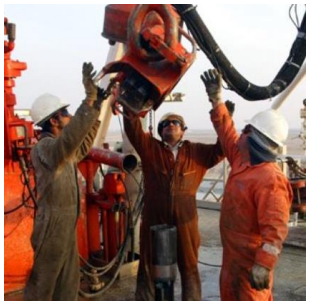
OPITO CERTIFICATE IN PETROLEUM PROCESING TECHNOLOGY



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Certificate in Petroleum Processing Technology

COURSE CONTENT

- Oil and Gas Separation
- Gas Dehydration
- Petroleum Gas Compression
- Natural Gas Liquid Recovery
- Oil Pumping and Metering
- Flow and P&ID
- Oil Treatment (Dehydration)
- Gas Flow Measurement
- Produced Water Treatment
- Injection Water Treatment

LOCATION

Malaysia & International

ABOUT THIS COURSE

The courses are all workbook based in English with individual exams leading to City & Guilds recognized Certificates. The course are not designed to be tutor lead and have been extensively developed to allow the user to work through the materials in their own time and pace while ensuring the student must carry out own research into the subject matter.

The exam for each unit must be completed under invigilation i.e. the student must be observed whilst undertaking the exam and may not have access to electronic medium. Exam can be completed in Malaysia at Think Plus Career Centre. There is no pre-requisite entry requirements other than the student must be able to read and write in English.

OBJECTIVES

The objective of this Petroleum Processing Technology Series is to help anyone who are interested in the oil industry to comprehend a broad understanding of:

- The operational techniques of petroleum processing
- The role and construction of a representative selection of plant and equipment used in the processing of petroleum reservoir fluids

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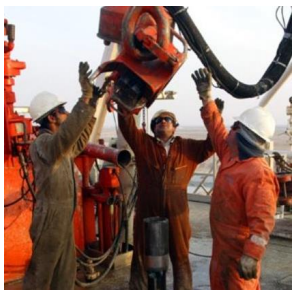
3 DAYS BASIC OIL & GAS ENRICHMENT



3 DAYS BASIC OIL & GAS ENRICHMENT COURSE

(Process, Equipment & Safety)

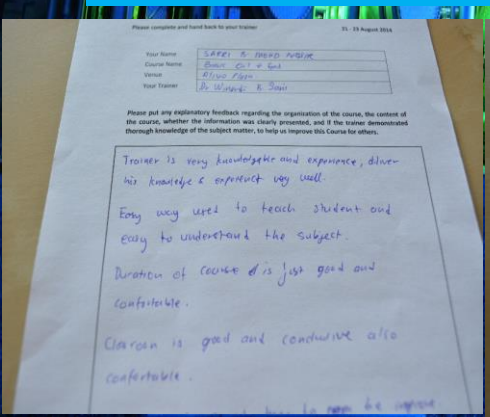
"We Aspire to Enrich Your Knowledge, Facilitate Job Placement and Interview Preparation of Your Career in Oil & Gas Industry"

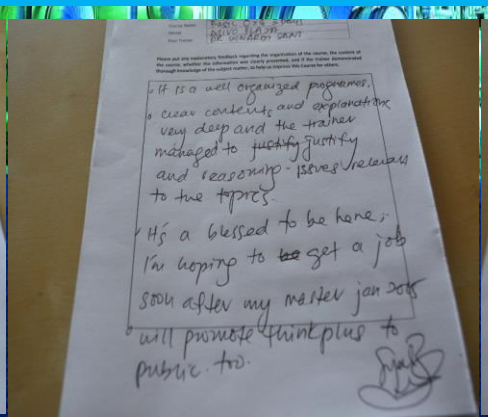
Who should Attend ?

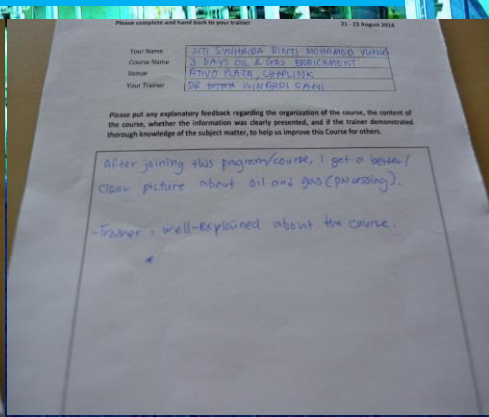
- Anyone who are interested to join Oil & Gas, Refinery or Petrochemical sector.
- Anyone who has less than 3 years of experience in the oil and gas industry.

Certificates, Vocational, Diploma and Degree Holders are encouraged to participate.

Feedback From Previous Participants:


Trainer is very knowledgeable and experience, deliver his knowledge & experience very well.
Easy way used to teach student and easy to understand the subject.
Duration of course it is just good and comfortable.
Classroom is good and conducive also comfortable.


It is a well organized programmes. clear contents and explanation very deep and the trainer managed to justify justify and reasoning - issues relevant to the topics.
He's a blessed to be here; I'm hoping to be get a job soon after my master join jobs will promote Think plus to public too.


After joining this program/course, I get a better/ clear picture about oil and gas (processing).
-Trainer : well-explained about the course.

Benefits of Attending

This course shall help you to:

- Acquire knowledge regarding the Oil and Gas industry and the Plants.
- Gain better understanding of equipment, technology and its application
- Expose to process plant operation in refinery and petrochemical plant
- Enhance your CV with oil and gas knowledge that you learned throughout this course.
- Prepare your career for further certification courses
- Network with people who are experienced.
- Have chances to ask the right questions to experienced trainer
- Prepare your coming interviews with the right knowledge on Oil and Gas and Plants

Course Topics

DAY 1

Petroleum Industry Overview
- Upstream Sector
- Midstream Sector
- Downstream Sector

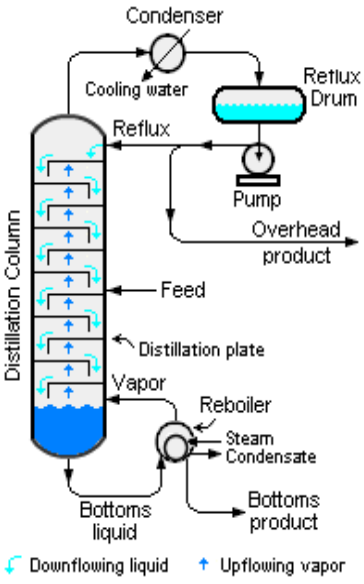
Health, Safety and Environment
- Hazard Identification
- Risk Management
- HAZOP
- Safety Management

DAY 2

Refinery
- Tank Farm
- Process Area
- P&ID
- Distillation
- Catalytic Reformer
- Petroleum Properties

Petrochemical
- Introduction to Petrochemical plant

Process Plant
- Process Plant Facilities
- Utility
- Rotating & Static Equipment
- Electrical , Instrument & Control
- Process Plant Control System



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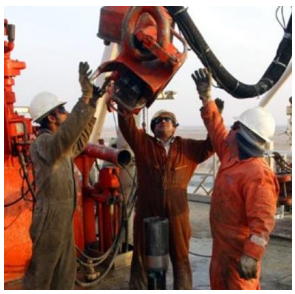
2 DAYS DRILLING/ WELL ENGINEERING & HSE



Drilling/Well Engineering & HSE

2 Days Fundamental Course

Who should Attend ?

- Anyone who wants to join offshore operations and drilling services
- Anyone who has less than 3 years of experience in the oil and gas industry.
- Certificates, Vocational, Diploma and Degree Holders in Petroleum and Geology related subjects are encouraged to participate

Course Outline:

Day 1 – Introductions to Drilling / Well Engineering

Video (20 mins)

Slide Presentation (78 Slides)

20 min. Video on Introduction to Drilling / Well Engineering (Shell / NAM).

- Preparations & Permits, Environmental Regulations
- Locations based on Seismic Surveys & other Factors
- Mobilization of Rigs
- Drilling Systems – Rotating, Hoisting, Circulating, Power & Supports
- Casing of Hole & Cementing
- Protection – Blow out Preventers (BOPs)
- HOUSEKEEPING

Slide Presentation on Introduction to Drilling / Well Engineering

- Insights into Costs, HSSE Hazards / Impacts, Consequence of Mistakes – Lives! Costs & Image!!
- Avoid Blowouts & All Incidents especially Serious ones!
- Drilling Units & Capabilities.
- Drilling Rig Organization.
- Types of Drilling Bits – Roller Cones, PDC.
- Cellar, Conductor, Drill Top Hole, Run Surface Casing (Functions), Cementing.
- Blowout Preventers.
- Drill next Sections, Production Casing & Wellheads.
- WELL CONTROL
- CEMENTING
- DIRECTIONAL DRILLING

Day 2 – Health, Safety / Security & Environmental

Videos & Slide Presentations on Health, Safety / Security & Environmental

- Hazards & Effects Management Process (HEMP)
- Prevention of Hands & Fingers Injury
- Review of Incidents – Lessons Learnt

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2015
TRAINING CALENDAR

3 DAYS BASIC OIL & GAS ENRICHMENT

MONTH	JAN	FEB	MAR	APR	MAY	JUN
DATE	23 - 25	13 – 15	13 - 15	17 - 19	22 - 24	26 - 28
LOCATION	KL	KL	Johor	KL	Terengganu	KL

MONTH	JULY	AUG	SEPT	OCT	NOV	DEC
DATE	24 - 26	28 - 30	25 - 27	23 - 25	27 - 29	25 - 27
LOCATION	KL	Penang	KL	KL	Ipoh	KL

2 DAYS DRILLING/ WELL ENGINEERING & HSE

MONTH	JAN	FEB	MAR	APR	MAY	JUN
DATE	17 - 18	14 - 15	21 - 22	25 - 26	30 - 31	20 - 21
LOCATION	KL	KL	Johor	KL	Terengganu	KL

MONTH	JULY	AUG	SEPT	OCT	NOV	DEC
DATE	18 - 19	22 - 23	19 - 20	17 - 18	21 - 22	19 - 20
LOCATION	KL	Penang	KL	KL	Ipoh	KL

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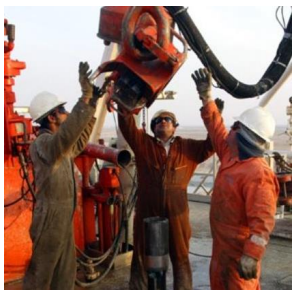
HEALTH, SAFETY & ENVIRONMENTAL (HSE)



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Fall Protection

COURSE OUTLINE

- Fall Protection Introduction & Regulations:
- The Fall Protection Basic Concepts
- Hierarchy of Controls
- Hazard Elimination & Fall Prevention:
- Hazard Elimination
- Travel Restraint Systems
- Control Zones
- Protective Covers
- Guardrails
- Ladder Safety
- Scaffolds
- Fall Prevention on a Sloped Roof
- Fall Arrest:
- Fall Restricting
- Fall Arrest Systems
- Body Holding Devices (Harness Types
- Specialty Solutions/Situations (Work Positioning, Ladders, Aerial Lifts and Scaffolds)
- Equipment Care (Inspection, Maintenance and Storage)
- Rescue (Concepts, Planning, Suspension Trauma)
- Harnesses, Harness Inspection, Lifelines, Lanyards, Anchors
- Emergency Rescue & Fall Protection Overview
- Interactive exercises.

ABOUT THIS COURSE

This comprehensive Fall Protection course is an effective and interactive way to keep you and your employees up-to-date with Fall Protection training requirements. Considered a "full course", this course can also be used for "refresher training".

LOCATION

Malaysia

DURATION

5 days

WHO SHOULD ATTEND

- Workers. Employees who must perform work where they are exposed to the hazard of a fall. The law requires that a person be competent in order to perform their job safely.
- Supervisors, Safety Officers & HR Personnel. Persons with the responsibility of supervising the use of Fall Protection equipment and procedures must first understand the fundamentals. Proper understanding of the concepts learned will foster good planning and positive implementation.
- Purchasers and Managers. Fall Protection does not always have to entail huge capital investments.

OBJECTIVES

The main objective of this courseware is to introduce you to the Basics of Fall Protection, Working from Heights procedure and the Ontario Health and Safety Act and Regulations.

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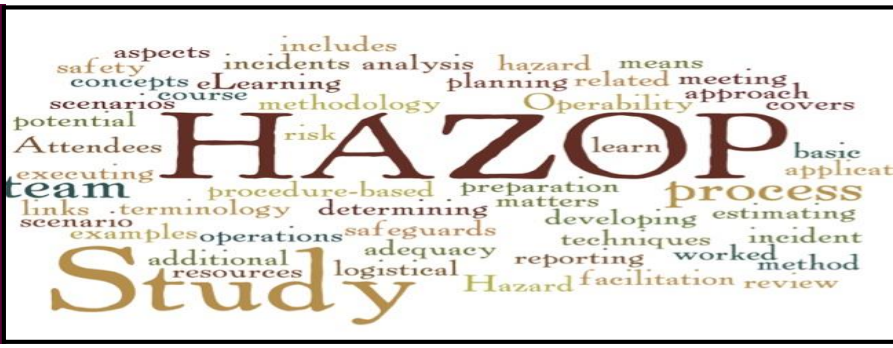

HAZOP Study

TARGET GROUP

This course provides an overview of significant aspects and considerations of HAZOP for those who are involved in the:

- Management staff
- Engineering (design, process, facilities, instrumentation and control)
- Operations Engineers and process safety personnel
- Health Safety and Environment HSE staff
- Plant operators and maintenance personnel

ABOUT THIS COURSE

Process Hazards Analyses have become an integral part of the way in which most companies in the petroleum industries do business. Furthermore, many regulatory bodies require that PHAs be conducted on a regular basis. A wide range of PHA techniques is available, but all are team efforts in which a combination of plant knowledge and creative thinking helps everyone understand what hazards exist on the facility.

HAZOP method is one of the most popular PHA techniques used in the petroleum industry and had been selected by many companies to be the accredited PHA method to be applied.

HAZOP studies for Team leaders course is proposed to give an introduction of the principals of the overall meaning of the Process Hazard Analysis (PHA) with brief of the most commonly used methods and concentration on HAZOP method to learn the tips, tricks, and secrets that analysts use to conduct efficient HAZOP.

OBJECTIVES

- Understand the role of the Process Hazards Analysis in the Petroleum Industry.
- Understand the Process Hazards Analysis PHA Terminologies.
- Appreciate the inherent Hazards in the Petroleum Industry.
- Differentiate between the Occupational Safety and The Process Safety.
- Concentrate on methods of evaluating the risk.
- Increase the Awareness of participants of the differences between PHA Methods.
- Learn the most commonly used methods in the petroleum Industry (HAZOP Method).
- Understand the HAZOP Review application for typical facilities.
- Understand HAZOP review reference data.
- Learn the approaches of identifying process nodes and genera HAZOP review suggestions and tips.
- Differentiate between the Process Control and Safety Control systems
- Increase the Awareness of the participants about the Protection layers
- Differentiate between the Prevention Layers and Mitigation Layers
- Learn HAZOP reporting and documentations.
- Increase the ability of the audiences to participate efficiently in real HAZOP Studies

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Safety Management Skills

COURSE CONTENT

- OSHA Inspections
- Subcontractors & Multi–Employer Relations
- Job Safety Analysis
- Equipment Management
- Steel Erection and Concrete Construction
- Electrical Safety Management
- Accident Investigation
- Excavation Management
- Concrete Safety
- Fall Protection Management
- Bi–Lingual Issues
- OSHA Crane & Derrick Standard

TARGET GROUP

- Safety Managers
- Supervisors
- Committee Members
- Health and Safety Representatives and Inspections

ABOUT THIS COURSE

Safety management is an organisational function, which ensures that all safety risks have been identified, assessed and satisfactorily mitigated.

Safety Management Training Skills Course gives participants five days of training on the basic skills needed to manage a company safety program in the industry field.

OBJECTIVES

At the end of this course, participants should be able to:

- Receive intensive instruction and training that will allow them to return to their firms with readily
- Apply new skills to positively impact their company's safety and health program
- Ensure that they have received adequate and appropriate safety information
- Build and maintain a meaningful aerodrome operational safety leadership skills
- Ensure that the measurement of the organizational safety performance and safety targets are in place

LOCATION

Malaysia

DURATION

5 days

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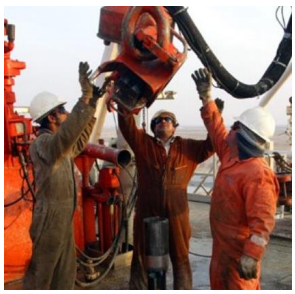

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1 DAY

- Control and Operation of Separation Systems
- Control and Operation of Centrifugal Pumps
- Control Loop Tuning (Theory and Practice)
- CCC Compressor Controls

2 DAYS

- Non-technical overview of LNG
- Gas Compressor Optimization
- Non-Technical overview of Oil and Gas
- Subsea Systems
- Plant Utilities
- Gas Sweetening Systems
- Gas Dehydration Systems
- Control and Operation of Reciprocating Compressors
- Control and Operation of Water Injection Systems
- Introduction to Steam Generation
- Control and Operation of Screw Compressors
- Operation and Control of Gas Turbines
- Introduction to Safety Instrumentation (ESD Systems, C&E's and F&G)
- Process Control
- Advanced Process Control
- Gas Liquefaction, Refrigeration and Cryogenics
- SIL, LOPA and HAZOPs

3 DAYS

- Introduction to Oil and Gas Production
- Process Engineering for Operations
- Control and Operation of Centrifugal Compressors
- Optimization of Process Plant
- Process Safety

2 WEEKS

- Operational Excellence in LNG

LOCATION

Malaysia & Worldwide

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2015
TRAINING CALENDAR
PROCESS OPERATION, EQUIPMENT AND SAFETY

COURSE NAME	DURATION	DATES
Control and Operation of Separation Systems	1 Day	4th Jan
Control and Operation of Centrifugal Pumps		1st Feb
Control Loop Tuning (Theory and Practice)		20th Mar
CCC Compressor Controls		10th Apr
Non-technical overview of LNG		23rd May
Gas Compressor Optimization		19th June
Non-Technical overview of Oil and Gas	2 Days	10th - 11th Jan
Subsea Systems		24th - 25th Jan
Plant Utilities		7th - 8th Feb
Gas Sweetening Systems		21st - 22nd Feb
Gas Dehydration Systems		7th - 8th Mar
Control and Operation of Reciprocating Compressors		21st - 22nd Mar
Control and Operation of Water Injection Systems		11th - 12th Apr
Introduction to Steam Generation		25h - 26th Apr
Control and Operation of Screw Compressors		16th - 17th May
Operation and Control of Gas Turbines		30th - 31st May
Introduction to Safety Instrumentation (ESD Systems, C&E's and F&G)		13th - 14th June
Process Control		27th - 28th June
Advanced Process Control		4th - 5th Apr
Gas Liquefaction, Refrigeration and Cryogenics		2nd - 3rd May
SIL, LOPA and HAZOPs		20th - 21st June
Introduction to Oil and Gas Production	3 Days	16th - 18th Jan
Process Engineering for Operations		13th - 15th Feb
Control and Operation of Centrifugal Compressors		13th - 15th Mar
Optimization of Process Plant		17th - 19th Apr
Process Safety		8th - 10th May
Operational Excellence in LNG	2 Weeks	1st - 12th June

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2015
TRAINING CALENDAR
PROCESS OPERATION, EQUIPMENT AND SAFETY

COURSE NAME	DURATION	DATES
Control and Operation of Separation Systems	1 Day	4th July
Control and Operation of Centrifugal Pumps		8th Aug
Control Loop Tuning (Theory and Practice)		5th Sept
CCC Compressor Controls		17th Oct
Non-technical overview of LNG		14th Nov
Gas Compressor Optimization		19th Dec
Non-Technical overview of Oil and Gas	2 Days	11th - 12th July
Subsea Systems		15th - 16th Aug
Plant Utilities		12th - 13th Sept
Gas Sweetening Systems		10th - 11th Oct
Gas Dehydration Systems		7th - 8th Nov
Control and Operation of Reciprocating Compressors		12th - 13th Dec
Control and Operation of Water Injection Systems		25th - 26th July
Introduction to Steam Generation		29th - 30th Aug
Control and Operation of Screw Compressors		26th - 27th Sept
Operation and Control of Gas Turbines		24th - 25th Oct
Introduction to Safety Instrumentation (ESD Systems, C&E's and F&G)		21st - 22nd Nov
Process Control		26th - 27th Dec
Advanced Process Control		4th - 5th July
Gas Liquefaction, Refrigeration and Cryogenics		1st - 2nd Aug
SIL, LOPA and HAZOPs		19th - 20th Sept
Introduction to Oil and Gas Production	3 Days	17th - 19th July
Process Engineering for Operations		21st - 23rd Apr
Control and Operation of Centrifugal Compressors		4th - 6th Sept
Optimization of Process Plant		2nd - 4th Oct
Process Safety		27th - 29th Nov
Operational Excellence in LNG	2 Weeks	14th - 25th Dec

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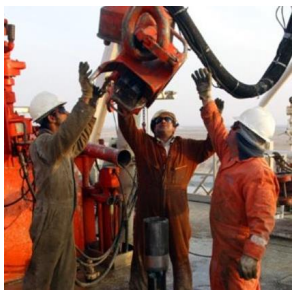
SAP



SAP BASIS Topics

- SAP General Information
- Systems Overview
- Architecture of SAP Systems Landscape
- Hardware Sizing, Operating Systems and Database
- Installing SAP Frontend/GUI
- SAP Logon Pad and Configuration
- SAP Navigations, Transaction Codes, ABAP Program
- SAP online help, Service Market Place, SDN and other resources
- Preparation on Installing SAP System
- Information on Installing SAP System
- Post Installation process
- Central and Distribution Instances
- Starting and Stopping Sap Systems from SAP Service Manager
- System Monitoring
- User and ABAP tracing
- Configuring System Profiles to allocate work, background, spool etc processes
- Memory Configuration
- RFC Connection to other systems like Portal, BI, SRM etc.
- Database Monitoring and backup
- Configuring Transport Management for Development, Quality and Production Systems
- Importing Transports requests to Quality and Production Systems

BUSINESS

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- Client and System Copy
- OSS Notes
- Process to import Support Packages
- Configuring Printing from SAP Systems
- SAP Spools
- Scheduling and monitoring background jobs
- Users management – maintaining users in SAP Systems
- Creating Security Roles and assigning users into those roles
- Transporting Roles from Dev System to Production
- Monitoring Users and their activities
- Troubleshoot Users security and transactions
- Central users administration (CUA)
- Information on SAP Solution Manager
- Important SAP Transactions Codes for Basis Administrator
- SAP Router
- SAP Files Directory
- SAP Error Log (SM21) and ABAP Dump (ST22)
- Trouble SAP Error and find solution
- Extra Topics: Business Warehouse Data Source in R3, IDOC, ALE Distribution, SAP Implementation Guide (SPRO), Early Watch Alert from Solution Manger, ITS for ESS portal
- Lots of documentation including real case scenarios will be provided

SAP ABAP Topics

Basics of SAP & ABAP

- Basic SAP GUI Navigation
- Short introduction to SAP NetWeaver
- Navigating in SAP systems
  - o Logon and structure of the user interface
  - o Accessing functions in the system
  - o Personalization options
- SAP NetWeaver Application Server architecture
  - o Processing a user query
  - o Structure of an instance
  - o Work process types, server processes and their use
  - o Internet-based technology components:
- Overview of the SAP development environment
  - o Creating and editing Repository objects
  - o Transports between SAP systems
- Communication and integration technologies
- Introduction to SAP system administration

ABAP Workbench Fundamentals & ABAP Dictionary

- **ABAP Workbench**

o Create ABAP programs and the most important Repository objects

using appropriate ABAP Workbench tools

o Navigate in the Workbench and use the syntax help

o Process source text with the ABAP Editor

o Test programs using the Debugger

o Project-oriented development using the Transport Organizer

o Overview of important ABAP statements

o Define elementary and structured data objects

o Working with internal tables

o Use function groups and function modules

o Use of classes, methods and BAPIs

o Database dialogs: information about database tables in the ABAP

Dictionary, read database tables

o User dialogs: list, selection screen, screens. ABAP Web Dynpro (from

SAP NetWeaver 7.0)

o Overview of the different options for adapting software

- ABAP Dictionary

o Terms and functions of the ABAP Dictionary

o Type definitions in the ABAP Dictionary

o Tables incl. includes and appends

o Performance aspects when accessing tables:

- Buffering
- Indexes

o Relationships between tables:

Define and manage foreign keys

Text tables

o Dependencies between objects in the ABAP Dictionary

o Views and append views

o Search help and append search help

ABAP Reports & Screens Development

o ABAP Reports

Data retrieval:

- Selection screens
- Logical databases
- Open SQL

Programming with the SAP list viewer (ALV):

- Using the ALV for displaying tables
- Starting ALV basic functions from the application
- Adjusting the layout
- Using display variants
- Processing user actions

o Screen Development

- Principles and ergonomics of user dialogs
- User interface and Menu Painter
- Screen objects: attributes, implementation, and processing
- Screen Painter
- Text fields, frames, status icons, input/output fields,
- dropdown list boxes, pushbuttons, checkboxes, radio
- button groups, subscreens, tabstrips, table controls
- Context menus

Enhancements & Modifications

o Overview of the options for making customer-specific adjustments to the SAP sta

o Personalization (transaction variants)

o Enhancements to:

- Elements of the ABAP Dictionary
- SAP programs
- SAP screen menus
- SAP screens

o Enhancement techniques:

- Enhancements to elements of the Dictionary
- Customer Exits
- Business Transaction Events (BTEs)
- Business Add Ins (BAdIs)
- User Exits

o Modifications:

- Procedure
- Utilities (Modification Assistant, Modification Browser)
- Modification adjustment

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BAPI Development

Business Application Programming Interface

- o BAPI fundamentals
- o Finding and using SAP supplied BAPIs
- o Creating customer specific BAPIs
- o BAPIs and RFCs
- o Enhancements and modifications of SAP supplied BAPIs
- o BAPIs and ALE

Performance Tuning & Advanced ABAP

- **ABAP Performance Tuning**

o Individual object analysis: transaction step analysis, SQL performance
analysis, ABAP runtime analysis, ABAP Debugger, optimizing
database accesses
o Unsuitable access path: introduction to database indexes; create,
change and delete database indexes; DB views or ABAP joins and
database indexes; Open SQL statements and database indexes
o Suitable access paths: accessing individual tables, accessing multiple
tables, accessing pool and cluster tables, SAP table buffering
o Optimized use of internal tables: design and definition of internal
tables, efficient structure, efficient access, applications
o SAP system analysis – overview
o SAP workload analysis (transaction profiles)

- **Advanced ABAP**

o ABAP runtime environment
o Program calls and memory management
o Shared Objects
o ABAP types and data objects in detail
o Unicode
o Work with internal tables in detail
o Work with field symbols and data references
o Dynamic programming
o Runtime type information, runtime type creation
o Complex Open SQL statements
o Analysis tools for programs
o Recommendations and conventions
o Performance rules

SAP FI/CO Topics

Basics of SAP & FI/CO

- Basic SAP GUI Navigation
- Introduction to Finance
- Introduction to Controlling
- Organization Structure
- Master Data
- Transactional Data

Customization

Finance (FI Module)

- **G/L Configuration**
  - o Copy Company Code from SAP templates
  - o Create Company Code
  - o Company Code configuration
  - o Standard Line item text configuration
  - o Complete GL configuration
  - o Validation & Substitution
  - o Parallel currencies configuration
  - o Taxes on Sales Purchase configuration
  - o GL Automatic clearing configuration

Customization

- **G/L Configuration .. (Continued)**
  - o Foreign currency valuation configuration
  - o Financial Statement version configuration (Creating Balance sheet and Profit and Loss account)
  - o FI – SD account determination configuration
- **Bank Configuration**
  - o Define House Banks
  - o Electronic and Manual Bank statement configuration
  - o Check configuration
  - o Lockbox Configuration
  - o Configuring Cash Journal
- **Accounts Receivables (A/R) and Accounts Payable (A/P) Configuration**
  - o Define Account Groups for Customers and V
  - o Define Accounting clerk
  - o Delete Customer and Vendor Master data

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Customization

- **Accounts Receivables (A/R) and Accounts Payable (A/P) Configuration .. (Continued)**
  - o Configuring Payment terms
  - o Configuring various automatic account determination
  - o Defining Tolerances
  - o Configuring Automatic Payment Program
  - o Special GL configuration for down payments from customer and vendors
  - o Configuring regrouping of Customers and vendors according to remaining te of receivables and payables
  - o Dunning
  - o Configuring calculation of Interest on arrears
- **Asset Configuration**
  - o Copying Chart of Depreciation
  - o Define Asset Classes
  - o Configuring account determination for Assets (Integration of Asset with GL)
  - o Deactivate Asset class for Chart of depreciation
  - o Configuring posting of depreciation
  - o Configuring the depreciation key
  - o Configuring Period Controls

  Customization
- **Asset Configuration .. (Continued)**
  - o Asset Under Construction configurations
  - o Configuring asset classes for group assets
  - o Define/Assign Settlement profile
- **Taxes**
  - o SAP Tax Vendor Integration (Vertex)

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Basics of SAP and CO

- Basic SAP GUI Navigation
- Introduction to Finance
- Introduction to Controlling
- Organization Structure
- Master Data
- Transactional Data

Controlling (CO Module)

- **Cost Center Configuration**
  - o Configuring the Controlling area
  - o Maintaining versions in Controlling area
  - o Configuring multiple valuation approaches/ Transfer prices
  - o Cost element accounting set up
  - o Reconciliation ledger configuration
  - o Setting Cost center Hierarchy, cost center master data, activity types
  - o Cost center planning which includes creating planner profi
  - o layout

Customization

- **Cost Center Configuration.. (Continued)**
  - o Configuring various cycles such as Distribution. Assessment, Indirect Activity
  - o allocation
  - o Configuring Splitting structure
  - o Configuring Automatic account assignment (OKB9)
- **Profit Center Configuration**
  - o Maintain the profit center settings for Controlling area
  - o Creation of dummy profit center
  - o Creation of Standard hierarchy and creation of profit center master
  - o Configuring the transfer file setting
  - o Profit center planning configuration
  - o Configuring Distribution and Assessment cycle
  - o Configuring the 3KEH table (Balance sheet and profit and loss accounts)

Customization

Profitability Analysis Configuration

- **Profitability Analysis Configuration**
  - o Creating Characteristics and value fields
  - o Configuring the Operating concern
  - o Copying an Operating concern from an existing operating concern
  - o Maintain Characteristic values, defining characteristics hierarchy
  - o Defining Characteristic derivation
  - o Defining keys for accessing material cost estimate and assigning costing key to characteristics
  - o Planning configuration
  - o Maintaining value field groups
  - o Configuration for value flow from SD to PA
  - o Configuration for value flow from FI to PA
  - o Configuration for settlement of Product costing variance to PA
  - o Creation of Profitability report
  - o Transporting customizing settings
- **Use of Report Painter to design reports in SAP R/3 System.**

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SAP HCM Topics

Organisation management

Object types
Interfaces for creating Organization
Enterprise structure
Personnel structure

Personnel management

Benefits
Hiring an employee
Master data
info types
Recruitment, training and development
Integration

Time management

Overview of time management
work schedules
time recording and administration

Payroll

Payroll prerequisites
phases of pay roll run
wage types
absence counting
valuation of wage types
transfers of payroll to FI
HCM Topics
management

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SAP BI/BW Topics

Basics of SAP , Business Data Warehouse

- Basic SAP GUI Navigation
- Data warehousing Need – with an Example.
- SAP History
- SAP BW vs Other Data warehousing Tools
- SAP BW vs SAP BI
- SAP BW Terminology

o Master Data
o Transaction Data
o Landscape

- Areas of SAP BW

o Extraction
o Modeling
o Reporting

- Data Warehousing Categories
- SAP BW & EDW

o -2Dimensional Modeling
o Multi Dimensional Modeling (Star Schema)
o SAP BW Star Schema (Extended Star Schema)

SAP Plant Maintenance Topics

SAP Technical Objects Configuration

PM Organization structure
Create Structure for functional Location
Define functional Location category
Define Equipment category
Define Number range for Equipment
Define User status to equipment
Define Measuring point category
Define Permit Category

PM Master Data

Set BOM modification parameter
Define BOM status
Define BOM usage
Define Spare parts indicator
Define User specific settings
Define work center parameter
Define standard value key
Define responsible person for work center
Define control keys for task list
Define task list usage
Define user defined fields
Define PRT control key
Define Serial number profile
Define serialization attributes for movement types

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Maintenance Plan and Notification

Define maintenance Planner group
Define Maintenance plan category
Define number range for maintenance plan
Define Maintenance Notification Type
Define screen template for Notification type.
Define field selection for notification type
Assign Notification type to PM order type
Define priorities
Over view of notification type

Plant Maintenance Order

Define order type
Configure number range for order type
Assign order type to maintenance plans
Define default values for planning indicator
Define priorities for order type
Define field selection for order type
Define control key
Define Maintenance Activity Type
Assign PM activity type to order type
Define documentation for Goods Movements
Define checking rule
Define Status profile
Define scheduling type for PM order
Define Attributes for system message

Equipment Calibration

Define QM Plant settings
Define inspection type
Define default values for inspection types
Assign inspection type to order type and many more

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SAP Implementation Workshop - Production Planning Topics

SAP PP Master Data Configuration

Configuration of every aspect of Bill of Materials including creation of Item Category, creation of BOM Usage, restricting item type plus all the other nuts and bolts of BOM creation/changes. Alternate BOM environment strategy also covered.

Work Center Configuration explaining in detail the relevant fields selection, configuration of the very complex standard value key formula (an absolute winner), creating shift sequence plus all other related connects.

All Aspects of Routing creation, configuration of usage for routing, in depth analysis of various user defined fields and its applicability to various transactions in SAP

SOP Configuration

Creation and Planning with product group

Creation of Rough-cut planning profile

Capacity check with rough-cut planning profile

Disaggregation and aggregation of product group plan

Configuration of activity to copy it into a different structure

Version management

Transferring of plan to Demand management

Creation of Info structure

Creation of planning type and planning hierarchy to create plan in flexible planning

Configuration of Transfer profile. Version Management and transferring into Demand Management

SAP MRP and Production Planning Configuration

Configuration of MRP Plant parameter which describes the complete MRP related settings to operate with a new plant.

Configuration of MRP type, and MRP Group

Configuration of Requirement type and Requirement Class - (A Virtual Treat and a critical element in PP as it links PP with SD Module) .

Configuration of scheduling parameter for Planned orders

Configuration of lot sizing procedure to control the grouping of requirements.

SAP Production Execution Configuration

Configuration of order type and defining number ranges to the order type

Configuration of order type parameter which is an essential setting for PP processing

Configuration of Scheduling parameter for production order - setting to determine the exact production start and end date as per the routing data and many more controls with respect to order scheduling.

Confirmation parameter - controlling the sequence of confirmation, Back flush control through confirmation parameter.

Defining the Back-flush error correction settings in confirmation parameter.

Defining checking rule and scope of check - which is the heart of ATP setting . Defining the receipt and issue elements to be considered for ATP.

Configuration of checking control - analysing in detail all the trigger points for production order creation.

SAP PP Reports

Report navigation - Helps you take baby steps to explore all the functions of the reporting structure.

Order information reports - The Entire Gamet of reports based on
order status, order release date and order confirmation status
covered
Performance of mass processing
Product costing reports - (A Virtual Treat)

PP-PI

Defining Profile with Default Values
Assigning Material Types
Defining Recipe Status and Usage
Defining Priority Sequence for Automatic Recipe Selection
Defining Order Types
Defining Order Type Dependent Parameter and Number Ranges
Process Management
Transporting predefined characteristics
Transporting predefined Message Categories
Defining and set up control recipe destination
Defining and Setting up Process Message Categories
Defining Process Message Characteristics
Defining and Setting up Message Destinations
Defining Process Instruction Categories

Batch Management

Specifying Batch Level and Batch Activation
Batch Status Management
Internal Batch Assignment for Goods Receipt
Maintaining Internal Batch Number Assignment Range
Defining Batch Creation for Process Order
Defining Batch Creation for Goods Movement
Batch Valuation
Batch Determination and Batch Check
Defining Process Order Access Sequence
Setting Shelf Life Expiration Date and many more

SAP Quality Planning and Inspection Configuration

Configuration of Plant Parameter for Quality Management
Configuration of control key - defining the payment control within quality management
Configuration of Blocking reason - to restrict the vendor supply in case of quality deviation
Defining catalogue type, configuration of valuation mode and sampling type
Configuration of inspection type to define different types of inspection control
Defining default values for inspection type - controls lot creation
Configuration of Quality inspection for goods movement - responsible to create lot with respect to goods movement
Defining inspection type for Plant Maintenance - important integration link with plant maintenance to inspect equipment and gauges

SAP Quality Notification & Certificate Configuration

Configuration of Notification type
Configuration of screen selection and template for Notification type
Defining Number Range for Notification
Configuration of Notification Priority
Configuration of Quality certificate type
Defining the Data origin - Data to be picked up and to be printed in quality certificate is defined here plus all other integration points are included within.

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SAP Implementation Workshop – Project System Topics

SAP PS Project Structure

Project Coding Mask
Define Status Profile
Create Project Profile
Create Project Types
Define Field Selection
Create User Defined Field
Define Validation
Maintain Substitution
Maintain Network Types
Specify Parameter for Network
Maintain Network Profiles
Define Milestone Usage and many more...

Project Execution

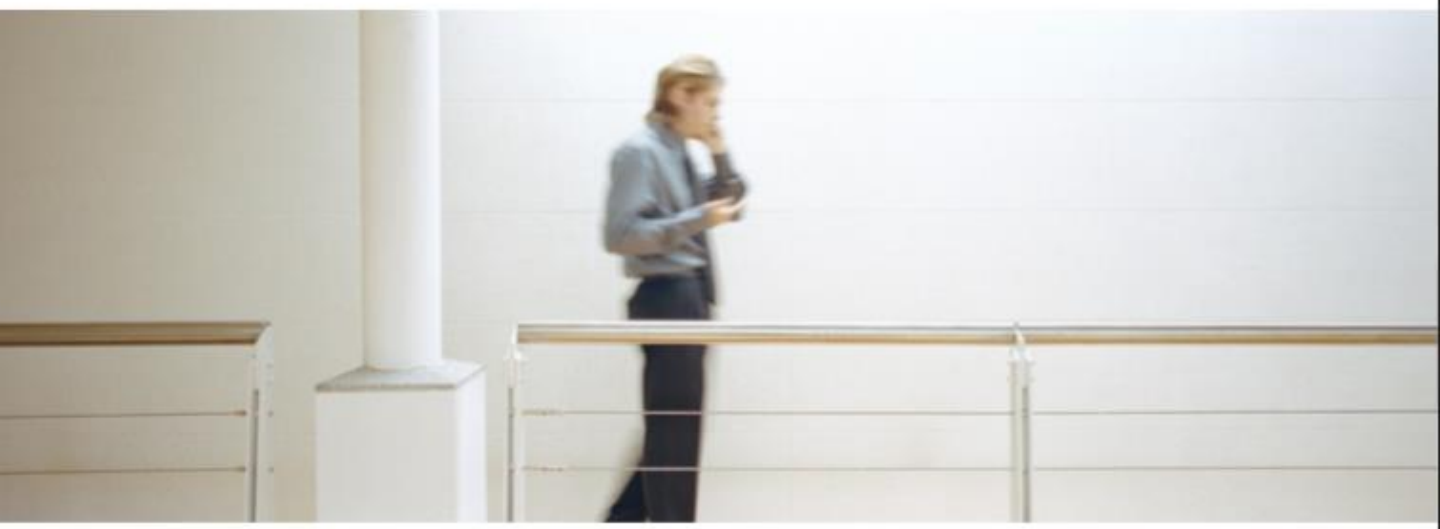
Define Profile for Project Planning Board
Define Time Profile
Define PRT Status
Define PRT Usage
Define Control Key
Define PRT Formula Parameter
Define Work Center Category
Define Capacity Categories
Define Person Responsible for Work Center
Define Screen Selection for Work Center
Define Shift Sequence
Define Control Parameter for Availability Check
Maintain Work Center Formula Definition and many more...

Budget and Cost Planning

Activate Project Management in Controlling Area
Maintain Value Category
Unit Costing
Hierarchical Cost Planning
Assign Planning Profile to Project Profile
Maintain Budget Profile
Assign Budget Profile to Project Definition
Maintain Progress Version and many more

Project Scheduling and Reports

Define Dates
Define Scheduling Types
Define Reduction Strategies
Define Parameter for Network Scheduling
Define Parameter for WBS Scheduling
Specify Graphic Profile for WBS Date Scheduling
Define Checking Rule
Define Checking Control
Define Confirmation Parameter
Define Filed Selection for Confirmation
Create Profile for Project Version
Define Database Selection Profile
Define Selection Profile for Information System
Define Overall Profile for Information System and many more...



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SAP MM Training Topics

SAP ENTERPRISE STRUCTURE

Company Creation
Creation of Plant
Storage Location
Purchase Organization
Standard Purchase Organization
Reference Purchase Organization
Purchase Groups and Assignment

MASTER DATA

Material Master Creation
Material Type Customization
Number Ranges for each Material Type
Configuring Industry Sector
Creation of Material Groups
Create or extend the same Material to other Departments
Create or extend the same Material to another Plant
Create or extend the same Material to another Storage Location
Create or extend the same Material to several stores at a Time
Change Material Master details
Change Material Price
Change Material Type
Flag for Deletion of Material Master
Vendor Master
Account Group Customization
Number Ranges for Vendor Master Record
Create Vendor Master by Purchase Department
Creation of Terms of Payment
Create or extend the same Vendor by Accounting Department
Create New Vendor Centrally by both Purchasing and Accounting Department
Create or extend the same existing Vendor to other Pur. Org and Co. Code
Creation of One Time Vendor
Creation of Partner Functions
Purchasing Inforecords
Creation of Inforecord
Create Inforecord without Material Master and with Material Group
Source List
Creation of Source List

PROCUREMENT

Procure to Pay (P2P)
Types of Purchasing Documents
Purchase Requisition
Request for Quotation
Maintain Quotations
Quotation Comparison
Purchase Order
Special Procurement
Consignment
Third Party Procurement
Returnable Transport Packaging
Pipeline Procurement
Direct Material Procurement
Creation of Direct Material Procurement
Outline Agreements
Contract
Scheduling Agreement
Blanket Purchase Order

INVENTORY MANAGEMENT

Movement Types
Goods Receipt
Goods Issue
Reservations
Stock Transfer
Transfer posting

INVOICE VERFICATION

Subsequent Debit
Subsequent Credit
Parking of Invoice
Hold Invoice
Evaluated Receipt Settlement
Credit Memo

INVENTORY VALUATION

Valuation Methods (Moving Average Price "V"and Standard Price "S")
Split Valuation

KEY CONFIGUTAIONS IN SAP MM

Pricing Procedure
Release Strategy
Account Determination

SAP MM PROJECT

Business Scenarios
Support Issues
Bug Reporting Tool
Live Project Configuration Document

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SAP SD Topics

Introduction

- ERP Business Scenario.
- ERP Products.
- Job opportunities for SAP professionals.
- SAP Functional Modules.
- SAP Easy Access and IMG.
- SD – MM – PP – FICO Integration areas.
- ASAP Methodology.
- System Landscape.
- BPR (Business Process Re-Engineering).

Enterprise Structure

- Client, Company, Company code, Credit Control Area, Business Area.
- Sales Organization, Distribution Channel, Division
- Sales Office, Sales group, Sales Person.
- Plant, Storage Location, Lean Warehouse Management.
- Shipping Point, Loading Point, Transportation Planning Point.
- Unloading Point, Receiving Point, Department.

Business Processes

- Inquiry.
- Quotation.
- Standard Order.
- Delivery.
- Billing.
- Incoming Payments.

Special SD Business Processes

- Cash Sales.
- Rush Order.
- Free Of Charge Deliveries.
- Free Of Charge Subsequent Deliveries.
- Third Party Order.
- Individual Purchase Order.
- Contracts.
- Scheduling Agreements.
- Consignment Stock Process.
- Inter – Company Sales Processing.
- Returns.
- Credit Memo/ Debit Memo.
- Invoice Correction Request.
- Make- to- Order.
- Project Systems

Master Data

- Customer Master Data.
- Material Master Data.
- Customer Material Information Record.
- Item Proposal.
- BOMS (Bills of Materials: Single and Multiple
- Conditions (Pricing /Discounts/Freight/Taxes etc).
- Common Distribution Channels/Common Divisions.

Basic Functions

- Condition Technique.
- Pricing with Scales.
- Free Goods (Inclusive & Exclusive types).
- Material Determination.
- Material Listing /Exclusion.
- Dynamic Product Proposal.
- Cross Selling.
- Partner Determination.
- Account Determination.
- Output Determination.
- TEXT Determination.
- Credit Management / Risk Management.
- Availability Check.
- Incompletion Log.

Sales

- Sales Document Header.
- Sales Document Item.
- Schedule Line Categories.
- Sales Summary.
- Copy Control.
- Back order Processing.
- Re-Scheduling.

Shipping

ills Multiple-Level).

- Shipping Doc types.
- Item Category.
- Picking / Packing.
- PGI (Post Goods Issue).
- Incoterms.

Technical Knowledge

- Reports.
- IDOC.
- Tables.

Billing

- Billing Document Types.
- Billing Plans (Periodic Billing / Milestone Billing).
- Rebate Processing.

Sales Information System (SIS)

- Info structures.
- Standard Analyses.
- Flexible Analyses.

Credit Management

- Transfer of requirements (TOR).
- Availability Check.
- Shipping and Transportation.
- Batch Management.
- Rebates.
- Variant Configuration with Pricing.

Integration on

- SD-MM.
- SD-PP.
- SD- FICO.

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2015 Course Schedule

Course Title	Location	Date	Fees / pax
SAP User Configuration Workshop	Kuala Lumpur	5 – 10 Jan	MYR 7, 000
SAP Implementation Workshop ABAP	Kuala Lumpur	12 – 17 Jan	MYR 12, 000
SAP Implementation Workshop BASIS	Kuala Lumpur	19 – 24 Jan	MYR 12, 000
SAP Implementation Workshop BI	Kuala Lumpur	26 – 31 Jan	MYR 12, 000
SAP Implementation Workshop CO	Kuala Lumpur	9 – 14 Feb	MYR 12, 000
SAP Implementation Workshop FI	Kuala Lumpur	23 - 28 Feb	MYR 12, 000
SAP Implementation Workshop HCM	Kuala Lumpur	2 – 7 Mac	MYR 12, 000
SAP Implementation Workshop MM	Kuala Lumpur	9 -14 Mac	MYR 12, 000
SAP Implementation Workshop SD	Kuala Lumpur	16 – 21 Mac	MYR 12, 000
SAP User Configuration Workshop	Kuala Lumpur	23 – 28 Mac	MYR 7, 000
SAP Implementation Workshop ABAP	Kuala Lumpur	6 – 11 April	MYR 12, 000
SAP Implementation Workshop BASIS	Kuala Lumpur	13 – 18 April	MYR 12, 000
SAP Implementation Workshop BI	Kuala Lumpur	20 – 25 April	MYR 12, 000
SAP Implementation Workshop CO	Kuala Lumpur	4 – 9 May	MYR 12, 000
SAP Implementation Workshop FI	Kuala Lumpur	11 – 16 May	MYR 12, 000
SAP Implementation Workshop HCM	Kuala Lumpur	18 – 23 May	MYR 12, 000
SAP Implementation Workshop MM	Kuala Lumpur	25 – 30 May	MYR 12, 000
SAP Implementation Workshop SD	Kuala Lumpur	1 – 6 Jun	MYR 12, 000
SAP User Configuration Workshop	Kuala Lumpur	8 – 13 Jun	MYR 7, 000
SAP Implementation Workshop ABAP	Kuala Lumpur	15 – 20 Jun	MYR 12, 000
SAP Implementation Workshop BASIS	Kuala Lumpur	22 – 27 Jun	MYR 12, 000
SAP Implementation Workshop BI	Kuala Lumpur	6 – 11 July	MYR 12, 000
SAP Implementation Workshop CO	Kuala Lumpur	20 – 25 July	MYR 12, 000
SAP Implementation Workshop FI	Kuala Lumpur	27 July – 1 Aug	MYR 12, 000
SAP Implementation Workshop HCM	Kuala Lumpur	3 – 8 Aug	MYR 12, 000
SAP Implementation Workshop MM	Kuala Lumpur	10 – 15 Aug	MYR 12, 000
SAP Implementation Workshop SD	Kuala Lumpur	17 – 22 Aug	MYR 12, 000
SAP User Configuration Workshop	Kuala Lumpur	24 – 29 Aug	MYR 7, 000
SAP Implementation Workshop ABAP	Kuala Lumpur	7 – 12 Sept	MYR 12, 000
SAP Implementation Workshop BASIS	Kuala Lumpur	14 – 19 Sept	MYR 12, 000
SAP Implementation Workshop BI	Kuala Lumpur	28 Sept – 3 Oct	MYR 12, 000
SAP Implementation Workshop CO	Kuala Lumpur	5 – 10 Oct	MYR 12, 000
SAP Implementation Workshop FI	Kuala Lumpur	12 – 17 Oct	MYR 12, 000
SAP Implementation Workshop HCM	Kuala Lumpur	19 – 24 Oct	MYR 12, 000
SAP Implementation Workshop MM	Kuala Lumpur	26 – 31 Oct	MYR 12, 000
SAP Implementation Workshop SD	Kuala Lumpur	2 – 7 Nov	MYR 12, 000
SAP User Configuration Workshop	Kuala Lumpur	9 – 14 Nov	MYR 7, 000
SAP Implementation Workshop ABAP	Kuala Lumpur	16 – 21 Nov	MYR 12, 000
SAP Implementation Workshop BASIS	Kuala Lumpur	23 – 28 Nov	MYR 12, 000
SAP Implementation Workshop BI	Kuala Lumpur	30 Nov, 1 – 5 Dec	MYR 12, 000
SAP Implementation Workshop CO	Kuala Lumpur	7 – 12 Dec	MYR 12, 000
SAP Implementation Workshop FI	Kuala Lumpur	14 – 19 Dec	MYR 12, 000

* Other modules which are not listed in the schedule will be run base on request.

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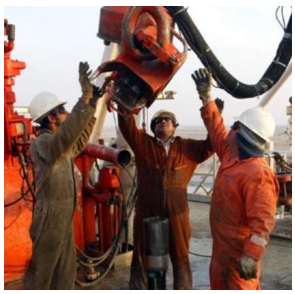
SAP OIL & GAS WORKSHOP



SAP IS OIL & GAS WORKSHOP

"80% of the oil and gas companies in the world are using SAP IS Oil and Gas application to meet their needs, including PT Pertamina, Essar Oil, ONGC, Petronas, Shell, Cameroon Petroleum, Exxon Mobil, Chevron Oil, State oil Norway, Aramco and many others.

There is a huge demand for SAP IS Oil and Gas, and there is a severe shortage of resource as of now. This is the right time to go for this course to make a better career."

SAP IS Oil & Gas Workshop Modules

- SAP IS Oil & Gas Overview
- SAP IS Oil & Gas Upstream
- SAP IS Oil & Gas Downstream
- SAP IS Oil & Gas (RLM—Remote Logistics Management)
- SAP Oil & Gas with GIS Integration
- Joint Venture Accounting (JVA)

Centre for EXECUTIVE EDUCATION

Think Plus ACADEMY

SAP has developed an industry solution for the oil and gas industry (SAP OIL and GAS), featuring tools and automated processes designed especially for this sector.

SAP IS-OIL is the leading integrated solution for the entire value-added chain of the oil and gas industry—from the wellhead to the gas station.

With SAP IS-OIL, you can provide your employees with uniform process and tools that make their day-to-day activities easier. Your other sites and applications are easily integrated into IS-OIL. The solution also gives you access to Web-enabled e-business applications and information.

SAP Oil & Gas Overview

Duration: 3 days
Training Type: Workshop
Target Audience: SAP User ,SAP Certified Consultant, SAP Junior Consultant , Project Manager and Super User

Workshop contents :

- Introduction to Downstream & Upstream
- TWS Overview
- Service Retailing
- Production
- Upstream Graphics
- Master Data Settings / Creation
- Basic Settings

Goals :
You should gain an understanding what drives the oil & gas industry as well as how SAP covers industry requirements and trends

Joint Venture Accounting (JVA)

Duration: 3 days
Training Type: Workshop
Target Audience: Project Manager and Team Members

Workshop contents :

- Accounting Principles
- Master Data
- Integration
- Day-to-Day Processes
- Data Entry
- Operated Accounting
- Reporting

Goals:
Perform JVA related functions, using Financials, Controlling, Material Management & Project System Use sample companies to understand and apply JVA functions

SAP Oil & Gas with GIS Integration

Duration: 5 days
Training Type: Workshop
Target Audience: Project Team Members, Project Manager and Consultants

Workshop contents:
- Notifications of GIS Mapping
- ECC or BI integration with GIS
- Assets & Operations concepts
- GIS Performance -BO

Goals :
Audience will have a knowledge of integration from one module to another

SAP Oil & Gas
RLM - Remote Logistics Management

Duration: 3 days
Training Type: Workshop
Target Audience: SAP User ,SAP Certified Consultant, SAP Junior Consultant , Project Manager and Super User

Workshop contents :
- Basic Customizing Settings for RLM
- Supply Chain
- RLM Goods Receipt
- RLM Shipping
- Holding
- Returns
- Material Tracking in RLM

Goals :
This course describes the functional capabilities and solution content of the SAP RLM solution along the RLM work process, including: Requisitioning of materials, documents and etc

SAP Oil & Gas Downstream

Duration: 5 days
Training Type: Workshop
Target Audience: Project Manager and Team Members and Consultants

Workshop contents :
- Oil & Gas Business Terms, Organizational units and the set-up of a global Oil & Gas company
- Physical Oil and Gas Commodity Trading
- International Export/Import Operations (Raw Material)

- Integration of SAP Oil & Gas with SAP CRM
- HPM-Liquid and Gaseous
- Hydrocarbon Product Management
- TDP-Tariffs, Duties and Permits
- Exchanges
- Transportation and Distribution
- Marketing, Accounting and Pricing
- Service Station Retailing

Goals :
Analyze Oil Industry Business Processes from Exploration & Production to Midstream and Downstream.

This includes O&G Business Terms, E&P, Refining& Midstream, Downstream, Marketing and Retailing (including Secondary Distribution) as well as 'High Performing Assets'.

SAP Oil & Gas HR Workshop

Duration: 5 days
Training Type: Workshop
Target Audience: Senior Consultants / Project Team Members, User, Super Users who are involved within SAP projects for implementation.

Workshop contents :
Organizational management
Personnel management
Time management
Payroll

Goals :
Participants will have more understanding in SAP HCM configuration and integration as this is more on hands on practical and not theory only.

SAP Oil & Gas Upstream—PSA

Duration: 3 days

Training Type: Workshop

Target Audience: Project Manager and Team Members & Consultants

Workshop contents :

- PRA –Production Sharing Accounts
- Set-up & Master Data
- Configuration
- Master Data Assignments
- Planning
- PSA Periodic Processing

Goals :

Participants will learn the functions of SAP for SAP Oil & Gas in conjunction with upstream business process in PSA

SAP Oil & Gas Upstream—PRA

Duration: 5 days

Training Type: Workshop

Target Audience: Project Manager and Team Members & Consultants

Workshop contents :

PRA –Production and Revenue Accounting

Overview and its graphical user Introduction.

- Ownership
- Upstream Graphics
- Production
- Measurement System
- Contractual Allocation
- Product Control
- Valuation
- Check Input
- Payment Processing

Goals :

Participants will learn the functions of SAP for SAP Oil & Gas in conjunction with upstream business process in PRA

SAP IS OIL & GAS WORKSHOP

Think Plus ACADEMY

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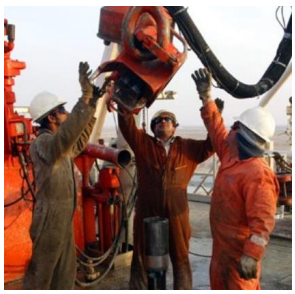
PRIMAVERA



PROJECT MANAGEMENT YOU CAN BUILD ON

PRIMAVERA SOLUTIONS FOR ENGINEERING AND CONSTRUCTION INFORMATION MANAGED

A BRIEF VIEW ON THE COMPANY PROFILE

Revolutionize Your Project Execution and Program Management

Amid challenging economic conditions and an era of heightened accountability, the importance of operational excellence may perhaps be at an all-time high. Architecture, engineering, and construction firms cannot afford to rely on the project delivery approach of the past. Every new project must not only be aligned with strategic business objectives but must also be delivered successfully, on time, and within budget every time. In this difficult collaboration environment, firms must leverage effective technology to maintain accountability, achieve project and program transparency, and standardize best practices to ensure ongoing business success.

For 25 years, businesses have embraced Primavera project and program management solutions to make better decisions, improve project delivery, and effectively prioritize projects and resources to deliver tangible business value. Oracle's comprehensive, end-to-end set of project and program management solutions is designed to reflect the unique business processes and challenges that architecture, engineering, and construction firms face today, enabling them to

- Proactively manage projects
- Gain visibility into project performance
- Accurately forecast to completion
- Improve project team collaboration
- Develop, capture, and implement the right risk mitigation strategies
- Align project selection with your strategic business objectives

A Rich, Robust Solution

The Primavera project and program management system enables you to plan, manage, control, and deliver projects of any size. Your project team can successfully deliver projects with

- Full collaboration
- Web access for all users
- Rich functionality
- Powerful and configurable dashboards
- Businesswide reporting

ORACLE®

PRIMAVERA

See how Oracle can help you implement, roll out, and maximize your Primavera solutions, and run a better project organizationwide.

PRIMAVERA PLANNING P6

IT COMPRISES 2 DAYS OF TRAINING WHICH ENCOMPASSES SET-UP , UNDERSTANDING AND TRACKING IN PRIMAVERA.

2Days Course Structure

Day One

Creation of project
Master/Subprojects (Enterprise Project Structure)

Setting up of work calendars
Working times, Holidays and hourly times

Understanding **Work Breakdown Structure**-levels
Creating Structure of work scope and levels for consolidation and summarizing

Resources allocation and unit pricing
Labor / materials and dummy resource creation

Expenses – Cost assignment for Project Overheads

Understanding **Activity** and the features available
The many features of the lowest representation in a project. (Task/Activity)Subtasks, constraints, notes for information, document tagged to an activity and many more explained

Day Two

Inputting of activity and description related to the works
Creating **Relationship (Finish to Start , Start to Start,)** between activities and understanding the set-up of lags and lead times
Assignment of **cost** and **resources to activities**

Saving project/ creating Baseline and exporting
Modify Bars (Actual versus Plan/Baseline bars)

Updating the activities in a project
Applying **actuals** – Start , Finish and 100% completion
How to and apply **scheduling/F9** and progress the project to current and latest/data date

Understanding and creation **of filters**
Critical path filter, date filter and your very own customized filters

Monitoring the progress
Comparing **Actual and Plan**, applying indicators and taking corrective action, to help in **compressing** the Schedule/program for the project, to achieve the deadline/ completion milestone for the works.

Earned Value Cost Management (incorporating plan, earned and actual cost) for effective cost control
Understanding various performance indicators such as **Physical , Duration and Performance complete**, for percentage progress identification in any single project

One Set of Solutions for Complete Success

For projects of any size, at any time, from anywhere, Primavera project and program management solutions enable you to maage

- Time
- Cost
- Resources
- Contracts and documents
- Risks

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2015
TRAINING CALENDAR

ORACLE PRIMAVERA – Project Planning & Control (P6 Rel 8.3 – Basic)

MONTH	JAN	FEB	MAR	APR	MAY	JUN
DATE	31 – 1 Feb	27 - 28	28 - 29	25 - 26	30 - 31	27 - 28
LOCATION	KL	KL	Johor	KL	Terengganu	KL

MONTH	JULY	AUG	SEPT	OCT	NOV	DEC
DATE	25 - 26	29 - 30	26 - 27	30 - 31	28 - 29	19 - 20
LOCATION	KL	Penang	KL	KL	Ipoh	KL

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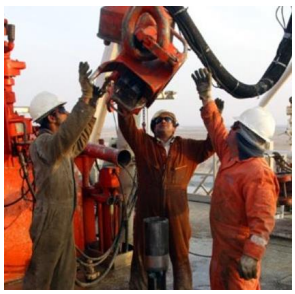
IVQ TRAIN THE TRAINER



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TRAIN THE TRAINERS

Come and join our International Vocational Qualification (IVQ) in Teaching Training and Assessing Learning, where you will receive certification from City & Guilds.

You will be part of our national agenda to upgrade Malaysians to a higher level competencies and qualifications.

We are also thrilled to fulfil the demand for Job Positions in Oil & Gas Trainers and Instructors (Process, Instruments, Maintenance, Drilling Instructor etc) from companies in Bahrain, Arab Saudi, Abu Dhabi and Europe.

YOU CAN ENJOY THE BENEFITS WHICH :

- ✓ You can travel and deliver training in over 100 countries.
- ✓ You are able to request ThinkPlus Academy to coordinate trainings for you according to your schedule.
- ✓ You can generate lucrative part-time income even after your retirement.
- ✓ You can help in our country competency development programs. Our partners for short courses are IKBN, IKM, Polytechnics, UTHM and many more.
- ✓ ThinkPlus Academy is currently collaborating with other International Training Provider Institutes i.e.: Wild Geese International, CAIRNS, Challenger, MOXI.

CAREER PROSPECTS

You are able to widen your career development path and together we make contribution towards developing highly skilled manpower through our IVQ, RPL and Short Courses Programs, including teaching elective subjects in the universities.

UPCOMING TRAINING SESSIONS

Level	Course Date
1	22 – 24 May
	28 – 30 August
	16 – 18 October
	18 – 20 December
3	12 – 14 June
	14 – 16 August
	6 – 8 November

TRAINING ASSOCIATES

ThinkPlus Consulting Sdn.Bhd

City & Guilds

IWCF

WG International

GPM

Research & Teaching Services

PTK AKAMIGAS - STEM

Challenger INSTITUTE OF TECHNOLOGY

OPITO

moxi

IADC

Aberdeen Drilling School & Well Control Training Centre

CO LaN Associate Member

CONTACT US

Telephone : +6019 570 9202 (Mrs. Jannatun Adzura Adnan)

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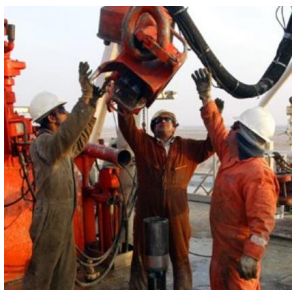
GREEN PROJECT MANAGEMENT (GPM)



Green Project Management Courses

GPM Certificate of Accomplishment

For Diploma Students *(preferably final year students)*

DURATION 12 hours

GPM-b Certification

For Degree Students *(preferably final year students)*

DURATION 30 hours

Course Contents	GPM Certificate of Accomplishment	GPM-b Certification
• Business Case Benefits and Value Management	✓	✓
• Course Introduction	✓	✓
• Organizational Structures and Roles	✓	✓
• Sustainability Drivers	✓	✓
• Issue and Risk Management	✓	✓
• Systems Thinking	✓	✓
• Stakeholder Engagement	✓	✓
• Ethics, Values and Principles	✓	✓
• Envex Practical	✓	✓
• Governance, Portfolio and Program Management	✓	✓
• Organizational Capacity for Change	✓	✓
• Project Management	✓	✓
• Lifecycles and PRiSM™	✓	✓
• The GPM® P5™ Standard for Sustainability in Project Management	✓	✓
• EnVex Practical (Lab)		✓
• Requirements Management		✓
• Project Controls		✓
• Issue and Risk Management		✓
• Project Sponsorship		✓
• Performance and Quality		✓
• Information Management and Reporting		✓
• Situational Leadership and Communication		✓
• Conflict and Negotiation		✓

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training@thinkplusmanpower.com

GPM®

Green Project Management
Train the Trainer

ABOUT THE INSTRUCTOR

Dr. Joel Carboni is the Founder and President of GPM Global (Green Project Management®), a professional development organization focused on sustainable development. He has a PhD in Sustainable Development and Environment with over 18 years' experience in project and program management. He also serves as the Vice President for the asapm, the International Project Management Association's US Member Association.

He is an international speaker, author and instructor, member of the American National standards Institute (ANSI), United Nations Global Compact , where he is a founding signatory of the UN's Business for Peace Initiative and a UN Principles for Responsible Management Education chartered supporter or PRME.

Joel is the architect of the PRiSM™ project delivery method and has authored several training programs on Green and Sustainable Project Management that are currently offered in over 145 countries and territories. He co-authored "The GPM Reference Guide to Sustainability in Project Management, The GPM P5 Standard for Sustainability in Project Management. and the PSM3 Organizational Sustainability Assessment Model.

- The first recipient of an International Project Management Association (IPMA®) Achievement Award for "Applying sustainable principles to project delivery." October of 2013
- Recipient of the Global Training And Development Leadership Award from the World Human Resources and Development Congress in February of 2014 http://linkedin.com/in/joelcarboni

TENTATIVE AGENDA

- The GPM® Approach to competence development
- How to instruct the on the GPM® P5™ Standard for Sustainability in Project Management.
- How to instruct on the PRiSM™ Methodology from a principled and practical standpoint
- Instructing on a systems lifecycle approach to project management.
- Instructing on change delivery
- Instructing on Portfolio, Program, and Project Management.
- ISO Standards to support Sustainability (Green) Project Management
- Administerting an EnVeX.
- Course Formats and approach
- PRiSM Practitioner
- PRiSM Foundations
- Exam Invigilation

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Green Project Management Certification

Certified Green Project Manager Level b

DURATION 4 days

METHOD Examination

GPM-b™

Our foundational knowledge-based certification that embodies the commitment of to act as an agent of change.

Certified Green Project Manager - Expert

DURATION GPM-b + 1 year of project experience + 2 projects write-ups

METHOD Competence Assessment

GPM®

An expert level certification that embodies the commitment of a project management professional to act as an agent of change.

Certified Master Green Project Manager

DURATION GPM-b + 1 year of project experience + 1 portfolio + 1 technical paper

METHOD Competence Assessment

GPM-m™

A master level certification that embodies the commitment of a project management professional to act as an industry leader in setting the bar for change agents.

COURSE CALENDAR 2015

Month	Date
April	18 – 19 & 25 - 26
June	30 – 31 & 6 - 7
August	1 – 2 & 8 – 9
October	3 – 4 & 10 - 11
December	5 – 6 & 12 - 13

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