

THINK PLUS ACADEMY

Think Plus Academy Sdn Bhd

A-7-1, Ativo Plaza,
Bandar Sri Damansara,
Kuala Lumpur.

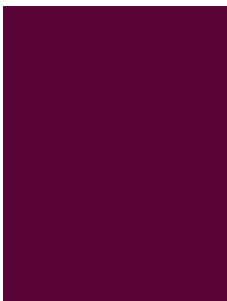
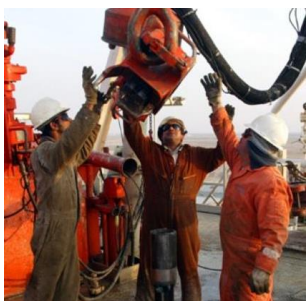
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LEVEL 3 IVQ ADVANCED DIPLOMA IN OIL AND GAS OPERATIONS



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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.
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- 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.
- 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. 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



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

