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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