

Oil & Gas Technicians Training Catalogue



An ISO 9001:2008 Certified Company



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معهد التدريب الوطني ش.م.ع
National Training Institute LLC
A Babcock International Group Company





NTI Oil & Gas Training Centre, Muscat

NTI provides Technician Training programs to BP Omani technicians in the oil & gas operations at this center. The scope covers.

- ✓ Provision and management of purpose built training facility at Ghala Industrial area
- ✓ Provision of oil & gas process plant and related training equipment
- ✓ Design, development and delivery of BP specified oil & gas process training courses in:
 - Mechanical Maintenance
 - Electrical maintenance
 - Instrumentation
 - Process Operations
- ✓ Complete management of training

Prospectus

These are some of our 'off the peg' courses. We can design an event to your requirements, working with your technical staff to ensure complete relevance to your needs. For Oil and Gas or Industrial Operation and Maintenance. The programs are on average 25% classroom time and 75% practical workshop/ simulation time.

1. Training needs analysis/ skills test. If you have existing staff with skill or knowledge gaps, we can check, identify and help you prioritize these for action.
2. Foundation or Advanced level. 1 year to 15 month program or durations to suit your needs with or without NVQ level 2 or 3, a choice of:-
 - Electrical Maintenance.
 - Mechanical Maintenance.
 - Instrument Maintenance.
 - Process Operations.
3. Specific Interventions:

On specific equipment, Job duties or identified weaknesses. From less than 1 week to as long as it takes and if required can be divided into a series of shorter attendances. For new hires, existing staff skill gaps or changes in working practices, new duties or upskilling. Examples are:

 - Safe electrical isolation
 - Operator maintenance duties
 - Laser alignment
 - Lubrication techniques
 - Pipe flange management
 - Diesel generator operation
 - Pumps
 - Compressors
 - Heat exchangers
 - Plc's
 - Instrument piping
 - Instrument fault finding



Instrumentation Topics

- Safe isolation
- Electrical safety
- Instrument hand tools
- Flow measurement
- Temperature measurement
- Level measurement
- Pressure measurement
- Pneumatics
- Plc's
- DCS/ Scada
- Valves and actuators
- Calibration
- Instrument piping
- Metering and analysis
- Process control theory
- Instrument drawings

Electrical Topics

- Electrical safety/ isolation
- Electrical hand tools
- Power distribution
- Protection systems
- Cables, conduits and trays
- Lighting and small power
- Electrical test equipment
- Electrical drawings
- Motors and controls
- Power generation
- Portable equipment
- Hazardous areas
- Cathodic Protection

Mechanical Topics

- Hand tools
- Mechanical drawings
- Pipe fitting/ supports
- Lifting and rigging
- Joints and gaskets
- Heat exchangers
- Valves/ PRV's
- Bearings and seals.
- Pumps
- Compressors
- Turbines
- Diesel engines

Process Topics

- Process safety
- Physics refresher
- P & ID's
- Static equipment
- Reservoirs overview
- Utilities
- Pumps and RE
- MSDS/Coshh
- Fire and Gas detection
- Gas plant operator duties
- Control loops
- Water treatment plant
- 3 Phase separation

NTI's expertise on training, assessment and certification in various fields makes it the preferred choice to train on any specific requirements in Vocational Technical, Oil & Gas Specific training.

Sample Program Schedules

OPTIONS ARE ALL FOR EITHER ELECTRICAL, INSTRUMENT, MECHANICAL OR OPERATIONS		DURATIONS AVAILABLE- ALL PROGRAMS INCLUDE TRAINING, MATERIALS, PPE, WEEKLY PROGRESS REPORTS AND ASSESSMENTS							
1	ALL AT TRAINING CENTRE 12, OR 15 MONTHS IF WITH NVQ2	75% PRACTICAL 25% THEORY WITH FULL TUTORIAL SUPPORT							
2	SPLIT BETWEEN YOUR SITE AND THE TRAINING CENTRE- MODE A EXAMPLE	ON THE JOB TRAINING AT YOUR SITE	TRAINING CENTRE	ON THE JOB TRAINING AT YOUR SITE	TRAINING CENTRE	ON THE JOB TRAINING AT YOUR SITE	TRAINING CENTRE	ON THE JOB TRAINING AT YOUR SITE	TRAINING CENTRE
3	SPLIT BETWEEN YOUR SITE AND THE TRAINING CENTRE- MODE B EXAMPLE. OTHER MODES AVAILABLE	TRAINING CENTRE	OJT AT SITE	TRAINING CENTRE	OJT AT SITE	TRAINING CENTRE	OJT AT SITE	TRAINING CENTRE	OJT AT SITE
4	SPECIFIC INTERVENTIONS/ SINGLE TOPIC TRAINING OR SPECIAL PROGRAM	FIRST GROUP	SECOND GROUP	ETC>					

