



# SHORT COURSES

Empowering  
the Future  
of Energy

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# SHORT COURSES



الداعم الرئيسي  
Main Supporter



وزارة الطاقة  
MINISTRY OF ENERGY



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# INTRODUCTION

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**EnergyTech** is a reputable non-profit organization that provides high-quality training programs for the energy sector. Since our establishment in **2008**, **EnergyTech** has been dedicated to addressing the specific needs of the energy sector and contributing to the localization of the industry by developing a **highly skilled** local workforce.

In **2014**, we expanded our training and education department, moving beyond the diploma program to reach a wider audience. This expansion led to the introduction of the Short Courses Program, which is focused on providing training and education for individuals to excel in three key fields:

- . **Health, Safety & Environment (HSE)**
- . **Construction**
- . **Drilling**

With a comprehensive offering of **over 200** short courses, we collaborate with industry contractors to enhance participants' knowledge and job performance. These courses are specifically designed to provide the industry with highly skilled and certified individuals who can maintain and uphold industry standards.







# HEALTH, SAFETY & ENVIRONMENT



# ENERGYTECH COURSES

Course title	Duration (Days)
Hazard Recognition and Control	2
Confined Space Entry	1
Defensive Driving (NSC)	1
Firefighting Basic	1
H2S Awareness	1
HAZCOM	1
IOSH Managing Safely course	4
IOSH working safely training course	2
NEBOSH HSA	5
NEBOSH HSE Certificate in Manual Handling Risk Assessment	1
NEBOSH HSE Introduction to Incident Investigation	1
NEBOSH IGC	10
NEBOSH IIRSM Certificate in Managing Risk (online)	1
Rescue at Remote Area	1
Truck Hydrocarbon Training Program (IRU) - Initial	5
Truck Hydrocarbon Training Program (IRU) - Refresher	2
Heart Saver (CPR)	1
Working at Height Full Protection	1
Fire Extinguisher	1
Fire Warden	1
First Aid/Heart Saver (Saudi Heart Association)	1
SCBA - Self-Containing Breathing Apparatus wearer	1



# ARAMCO CONTRACTORS COURSES

Course title	Duration (Days)
Pre-WAP	4
Work Permit Receiver Pre-requisite (ARAMCO)	4
Hazard Recognition and Control	2

# SADARA CONTRACTORS COURSES

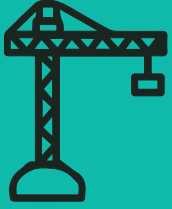
Course title	Duration (Days)
Safe Work Permit Receiver	1
Defensive Driving Program - Sadara	1
Heat Stress Prevention	1
Life Critical Standards - LCS	5
Lock Out/Tag Out	1
Mouth Bit Escape Respirator	1
Safety Attendant - Bottle Watch Training	1
Safety Attendant - Confined Space Training	1
Safety Attendant - Fire Watch Training	1
Safety Orientation - English/Arabic	1
Safety Orientation - English/Urdu/Hindi	1
Turnaround Safety Awareness (English, Hindi/Urdu)	1





# SAUDI ELECTRICAL COMPANY CONTRACTORS COURSES

Course title	Duration (Days)
Basic Fire Fighting (SEC)	1
Basic First Aid (SEC)	2
Construction Safety (SEC)	1
Defensive Driving (SEC)	1
Distribution Safety Rules & Safe Isolation & Switching Procedure (SEC)	5
Food safety (SEC)	2
Generation Work Permit Receiver (SEC)	2
Hazardous Chemical Substance Management (SEC)	1
Lock Out Tag Out (LOTO) Procedures (SEC)	1
Material Handling (SEC)	2
National Grid Safety Rules, Qualification & Authorization (SEC)	5
NG Electrical Safe Working Procedures (SEC)	3
OHS General Induction (SEC)	1
OHS General Induction including Office Safety (SEC)	1
OHS Representative (SEC)	2
Perception of Security (SEC)	2
Power Plant Safety for Generation Contractors (SEC)	4
Projects Business Work Permit Issuer & Receiver (SEC)	2
Safe Working Procedures for Electrical (SEC)	3
Safe Working Procedures for Mechanical (SEC)	3
Work at Heights (Fall Protection Program) (SEC)	2
Work Permit - Sender & Receiver (SEC)	1
Auxiliary Transformer, AC\DC Battery Charger, and Battery Maintenance.	1
Auxiliary/Lighting & Power Sockets	1
Heavy Vehicles Safe Operation	1
Machining Operations	1
Rotating Mechanical Equipment Maintenance	1
Static Mechanical Equipment Maintenance	1



# CONSTRUCTION



## SCAFFOLDING AND HEIGHT ACCESS COURSES

Course title	Duration (Days)
Basic Scaffolding	5
Scaffolding Inspector	2
Scaffolding Supervisor	3
Combined Towers for Users and Low-Level Access (PASMA)	1
Towers for Users (PASM)	1
Man Lift 3A (IPAF)	1
Scissor Lift 3b (IPAF)	1
3a & 3b refresher course (IPAF)	1

## OPERATIONAL EXCELLENCE COURSES

Course title	Duration (Days)
Chemical and Water Treatment	5
Crude Oil Desalting	3
Crude Oil Distillation	3
Delayed Coking Process Technology	3
Distillation & Troubleshooting	3
FCCU Troubleshooting & Optimization	3
Hydrotreating & Hydrocracking Process Technology	3
Refinery Distillation - Operation & Troubleshooting	5
Sulphur Recovery, Tail Gas Treatment & Incineration Processes	5
Water Treatment for Refineries and Chemical Plants	5
Refinery and Petrochemical Industry Materials Selection and Corrosion Control	3



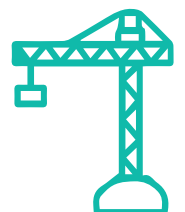
## ASSET INTEGRITY COURSES

Course title	Duration (Days)
Machinery Lubrication Fundamentals and Contamination Control	5
Basic Vibration Fundamentals - Level-1	3
Basic Vibration Analysis - Level-2 (Intermediate level)	4
Welding Visual Inspection	5
ASME Section III Div.1 Rules for Construction of Nuclear Facility Components Overview	3
Seismic Design and Retrofit of Mechanical Equipment and Piping	3
Overview of Vessels and Piping Codes	3
ASME B31.4 Liquid Pipelines and ASME B31.8 Gas Pipelines	5
ASME B31.3 Process Piping - Design, Construction, and Mechanical Integrity	5
API 571 Damage Mechanisms in the Refining Industry	3

## EQUIPMENT MAINTENANCE & REPAIR COURSES

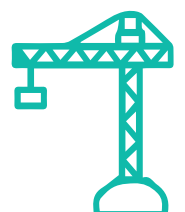
Course title	Duration (Days)
Rotating Equipment Maintenance and Troubleshooting	5
Maintenance, Operations and troubleshoot of Pumps & Compressors (Basic)	3
Maintenance, Operations and troubleshoot of Pumps & Compressors (Advanced)	5
Heaters and BMS	3
Heaters and BMS Advanced	5
Basic Mechanical and Workshop	5
Precision Measurement	3
Mechanical - Laser Shaft and Coupling Alignment	3
Introduction to Hydraulics & Pneumatic System	5
Skill Development on Hydro-testing/Pneumatic Testing	5
Introduction to Welding Technology	3

Gas Turbines Basic Course	5
Gas Turbines Advanced Course	5
Gas Turbines "How to Perform Major Inspections"	5
Combustion Technology and Fired Equipment	3
Maintenance of Reciprocating Compressors (Basic)	3
Maintenance of Reciprocating Compressors (Advanced)	5
Maintenance of Centrifugal Compressors (Basic)	3
Maintenance of Centrifugal Compressors (Advanced)	5
Refinery Piping Class	3
Heat Exchangers	3
Design and Maintenance of Aboveground Atmospheric Storage Tanks	5
Introduction to Maintenance of Aboveground Atmospheric Storage Tanks	3
CBT "Oil and Gas Competency Based Training" for all undergraduate and graduated engineers	5
Turnaround Training for Process Engineers	3
Fatigue Failures	3
Art of PFD & P&ID	3
Training on Industrial Valves including PSVs	3
Control Valves	3
Boiler Operation, Instrumentation & Control	5
Basic Electrical and Instrumentation	5
Operation & Maintenance of Circuit Breakers & Switchgears	3
Maintenance and Troubleshooting of Ups Systems and Battery Power Supplies	3
Transformer Maintenance and Testing	3
Switchgear Maintenance	3
Protective Relays	3
Certified High Voltage Electrical Safety (OSHA, NFPA & EN Standards)	5



# LIFTING OPERATION AND INSPECTION COURSES

Course title	Duration (Days)
Rigger III (LEEA)	5
Mobile Crane Operator (LEEA)	5
Forklift Truck Operator (NSC)	2
Rigger II	4
Rigger I	4
Slinger & Banksman	2
Banksman & Slinger Stage 1 (OPITO)	3
Lifting Equipment Inspection	3
Mobile Crane Maintenance	5
Mobile Crane Inspection	5
Overhead Crane	3
Overhead Crane Tandem Lifting	3
Accident investigation for crane & lifting operation	5
Crane assembly/ disassemble director	5
Offshore crane operator stage I	3
Offshore crane operator stage I & II	5
Offshore crane operator stage III	1
Rigging Loft controller	2







# DRILLING





# ARAMCO/ ARAMCO CONTRACTORS COURSES

Course title	Duration (Days)
Aramco procedure practices on HHF Rig and full-size simulator	10
Rig Familiarization	10

# ENERGYTECH COURSES

Course title	Duration (Days)
Advanced Well Control	5
Advanced Well control equipment	5
Assistant Driller to Driller	15
Assistant Driller Training	20
Assistant Floorman to Floorman	15
Casing Design	5
Casing Running and Wellhead	5
Crew Resources Management Applied in Drilling Operations	5
Cyberchair Practices on HHF Rig and Full-size Simulator	10
Derrickman Training	20
Derrickman to Assistant Driller	15
IADC DIT Simulator Based Stuck Pipe	3
IADC DIT Basic Mud School	10
IADC DIT Drilling Practices on Simulator	5
IADC DIT Drilling Rig Equipment Inspection	5
Drill String and Bit	5



Driller to Tool Pusher	15
Driller Training	20
Drilling and Completion Fluids	5
Drilling Awareness	3
Drilling Calculations	5
Drilling Performance	5
Drilling Program and Procedure	5
Drilling Technology	5
Enhanced Well Control	5
Floorman to Derrickman	15
Floorman Training	20
How to Use Drilling Handbook	3
HPHT Drilling	5
IADC Supervisor Surface / Combined	5
IADC Awareness	1
IADC Driller Surface / Combined	5
IADC Introductory Surface / Combined	3
IADC Rig Pass	1
Introduction to Drilling	5
introduction to Well Integrity	3
Introduction to Well Services	3
IWCF Level 02 Drilling; Surface / Combined (Surface and Subsea). Face To Face or Virtual	3
IWCF Level 03 Drilling Surface / Combined (Surface and Subsea); Face to Face or Virtual	5
IWCF Level 04 Drilling Surface / Combined (Surface and Subsea); Face to Face or Virtual	5
Offshore Drilling (Equipment and Operations)	5
Oil Well Hydraulics	5
Rig Audit, Acceptance & Commissioning	5
Rig Electrician Training	20
Rig Math	3
Rig Mechanic Training	20
Rig Move Initiation.	3

Rig Orientation	1
Rig Selection	3
Risks Associated During Production and Drilling Operations	5
Subsea Well Control	3
Tool pusher training	20
Underbalanced drilling	3
Well control equipment	3
Well control preparation	5
Well Integrity Management	5



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