

# ADNOC PILOT PLANT TRAINING





## **ADNOC PILOT PLANT (APP) COURSES AT ADNOC TECHNICAL ACADEMY**

APP courses provide knowledge of plant process, equipment, functions, and control philosophy. Learners will practice startup & shut down activities in a safe field-like environment.

### **COURSE DELIVERY**

ADNOC Technical Academy campus

### **WHO CAN ATTEND?**

Operators, technicians, supervisors, engineers, fresh graduates, or anyone with relevant experience.

### **APP TRAINING BENEFITS**

- Enhance skills on plant operations.
- Confidence with normal plant operations.
- Confidence with startup & shutdown.
- Deal with plant trouble shooting and equipment maintenance.
- Understand process safety.
- Clear understanding of procedures.
- DCS Operation skills.



## **ADNOC PILOT PLANT (APP) HAS FIVE OPERATING PLANTS:**

1. Wellhead Plant
2. Crude Stabilization Plant
3. Gas Sweetening Plant
4. Gas Dehydration Plant
5. Utility Plant

### **COURSE DETAILS**

#### **MODULE 1: WELLHEAD PLANT**

DURATION: 5 DAYS

This course provides a practical experience that conveys the real plant operation in safe environment conditions. It aims to enhance learners' knowledge and skills of plant process descriptions, startup, shutdown, equipment maintenance and handover procedures. They will develop a better understanding about equipment including Pig Launcher, Christmas Trees, Hydraulic Control Panel, SSV, SSSV, Multiphase Flow Meter, DCS, ESD function and Wellhead Control Systems.



## **MODULE 2: CRUDE STABILIZATION PLANT**

DURATION: 5 DAYS

This course provides an oil-plant operation practical experience. It covers equipment functions and process controls of Slug Catcher, Slug Catcher Separator, MP & LP Separator, Crude Stabilizer, Pig Receiver and DCS operation.

Learners will develop a better understanding about oil, water and gas separation principles, De-salter, and oil stabilization operations. They will experience P&ID tracing, ESD function, startup, and shutdown.

## **MODULE 3 – GAS SWEETENING PLANT**

DURATION: 5 DAYS

This course provides a practical plant operation experience. It covers equipment functions and plant control philosophy. Learners will develop a better understanding about gas sweetening and Amine regeneration process. They will be able to identify operating parameters and perform startup and shutdown. The main equipment includes Amine Contractor/ Absorber, Sweet Gas Knockout Drum, Rich Amine Flash Drum, Rich/Lean Amine Heat Exchanger, Amine Stripper, Amine Stripper Reflux Drum, Lean Amine Filtration system, ESD function and DCS Operation.



## **MODULE 4 – GAS DEHYDRATION PLANT**

DURATION: 5 DAYS

This course provides a practical plant operation experience, and operation parameter control in a safe environment. Learners will have a better understanding about equipment functions and plant control philosophy. The main equipment includes Glycol Contractor, Lean Glycol/ Dry Gas Heat Exchanger, Glycol Still Column, Reflux Condenser, Lean Glycol Filters, Lean Glycol Feed Pumps, Rich Glycol Flash Drum, Glycol Stripping Column, Lean Glycol Surge Drum & DCS Operation. Learners will experience and develop skills for, startup, shutdown, ESD function, DCS operation and handovers. They will also learn about equipment handover for maintenance.

## **MODULE 5 – UTILITY PLANT**

DURATION: 5 DAYS

This course provides a utility plant operation experience in a safe environment. It covers equipment functions and process control philosophy. Learners will develop skills for startup, shutdown, and LOTO application. The main equipment includes Air Compressor System, Instrument Air, Plant Air, Chemical Injection System, Hot & Cold-Water System, Vent, Drain Systems, Oil Sumps Operation and DCS Operation.



**ADNOC Technical Academy  
Partnership & Accreditation Department  
Development & Accreditation Section**

Short technical courses at ADNOC Technical Academy offer competency-based training, utilizing the Academy's first-class training facilities in a safe and innovative environment. Courses are available in all disciplines: Electrical, Mechanical, Instrumentation and Operations, including Operator Training Simulator (OTS). Training takes place at ATA's campus, Shawamekh, Abu Dhabi. ATA's main aim is to enable oil and gas organizations to train and develop their employees to the highest standards so they can effectively contribute to their organizations' productivity.

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