

OPERATOR TRAINING SIMULATOR COURSES

OPERATOR TRAINING SIMULATOR (OTS) COURSES AT ADNOC TECHNICAL ACADEMY

Operator Training Simulator (OTS) courses cover knowledge and practice for working in an oil and gas plant. The courses will help learners acquire the relevant skills, competency, and expertise, through up-to-date training methods, well-equipped hi-tech facilities, and experienced trainers.

OTS courses provide a virtual learning experience to train learners on plant operations ahead of plant start-up, shut down and throughout a plant life cycle. Training provides a real life DCS operational environment and helps learners to develop their operation skills in a safe environment.

COURSE DELIVERY

ADNOC Technical Academy campus

WHO CAN ATTEND?

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



OTS TRAINING BENEFITS

- Increase readiness for plant operations.
- Realistic experience ahead of complete plant operation.
- Enhance safe operation practices.
- Optimized operator interventions.
- Safe handling of malfunctions and other emergency situations.
- Direct influence on productivity, profitability, stability, and controllability.

OTS FACILITIES

- Well Production & Separation
- Crude Stabilization
- Vapor Recovery & Compression
- Gas Sweetening
- Gas Dehydration
- Produce Water Treatment
- Treated Water Injection
- Utility Plant
- Flare System
- Chemical Injection
- F&G System

OTS LEVEL 1- INTRODUCTION

DURATION: 4 DAYS

This course introduces learners to Distributed Control System (DCS) components. It covers the operation envelope, communication, shift handover, emergency response procedures and trends creation. It also covers alarm management exercises and working with different types of control loops, creating an alignment between DCS and the field.

OTS LEVEL 2 – INTERMEDIATE

DURATION: 4 DAYS

This course covers the unit controls and normal operations of oil and gas plants. Learners will improve their operation skills in control philosophy. They will gain experience on various operation aspects such as unit start-up, shutdown, and malfunctions in a safe environment.

OTS LEVEL 3- ADVANCED

DURATION: 4 DAYS

This course covers multi-unit operations and provides an understanding of the impact on other units while performing an action on the process critical parameters.

Learners will identify plant upsets and will be able to control critical operating parameters and perform the required actions to keep the unit operations smooth and efficient.



**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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