

Long Duration Training Programs Catalog **2025**



Empowering
Tomorrow's Energy
Experts



Drawing on our extensive experience in managing major petroleum facilities across Egypt, we have carefully designed our training modules to support companies in their capacity-building efforts. Our program is structured into two key modules: the first is an Intensive Program tailored to rapidly develop core competencies, while the second offers a range of targeted Technical Courses focused on specialized skills and industry needs. This dual approach ensures both foundational strength and technical depth for workforce development."

1 Intensive designed Programs

2 Technical Courses



Intensive designed Program

EPROM offer 8 intensive program

- 1 Inspection Program
- 2 Petroleum Studies Refining Program
- 3 Foundation Program in Refinery Engineering, Process Simulation, and Plant Operations
- 4 Petroleum Studies in Maintenance Program



Intensive designed Program

EPROM offer 8 intensive program

5 Field Operator Basic Training Program

6 Panel Operator Basic Training Program

7 Shift Supervisor Basic Training Program

8 Industrial Safety Engineer Program



1

Inspection Program

Ref. Code : IDP-001

Audience

- Mechanical technicians
- Inspection engineers
- QA/QC professionals
- Maintenance personnel involved in static equipment inspection and reliability.

40 Days

Objective

To develop proficiency in inspecting equipment, identifying corrosion, and applying non-destructive testing (NDT) techniques aligned with industrial regulations and RBI practices

Delivery Method

- Classroom-based
- Distance Learning (Virtual)
- Practical Exercises (PE)
- On-Job Orientation (OJO)
- On-Job Orientation (OJO)
- On-Job Training (OJT)
- Workshops (if applicable)

Outline

Material & Static Equipment, Regulations – Relief Valves & Rupture Discs, Corrosion & Corrosion Prevention, Inspection, Non-Destructive Testing & Repair Welding, Individual Project: Repair Work on Pressure Vessel or Piping, Paintings, Coatings & Cathodic Protection, Risk Based Inspection (RBI) , Final Project – Practical Inspection

2

Petroleum Studies Refining Program

Ref. Code : IDP-002

Audience

- Experienced Process Engineers

60 Days

Objective

To provide a solid understanding of refining processes, thermodynamics, heat transfer, rotating equipment, and essential plant operations from feed to final product

Delivery Method

- Classroom-based
- Distance Learning (Virtual)
- Practical Exercises (PE)
- Simulation-Based Training (if applicable)
- On-Job Orientation (OJO)
- On-Job Training (OJT)
- Workshops (if applicable)

Outline

Applied Thermodynamics & Process Design, Heat Exchanger Design & Operation, Thermal Equipment, Centrifugal Pumps & Positive Displacement Pumps, Key Points for Compressors & Turbines Operation, Distillation Light Cuts Process, Hydrotreating Processing, Utilities - Environment Management, Piping & Instrumentation Diagram - PID, Safety in Plant Operation, Commissioning & Startup of Process Units

3

Foundation Program in Refinery Engineering, Process Simulation, and Plant Operations

Ref. Code : IDP-003

Audience

- Junior Operation/process engineers and New engineering graduates
- Technical support staff entering the oil & gas industry

85 Days

Objective

To equip trainees with foundational knowledge of chemical processes, process control, equipment operation, and simulation software for integrated refinery operations.

Delivery Method

- Classroom-based
- Distance Learning (Virtual)
- Practical Exercises (PE)
- Simulation-Based Training (if applicable)
- On-Job Orientation (OJO)
- On-Job Training (OJT)
- Workshops (if applicable)

Outline

Chemical Processes, Process Simulation Software, Distillation Course & Project with PID, Applied Thermodynamics & Heat Transfer Equipment, Fluid Flow - Rotating Equipment, Instrumentation & Process Control, Refining Processes – Principles & Operation, Safety Systems within Operation, Environmental Economics

4

Petroleum Studies in Maintenance Program

Ref. Code : IDP-004

Audience

- Maintenance engineers.
- Planners
- Rotating equipment specialists
- Reliability team Juniors.

60 Days

Outline

Refining Processes, Pumps, Compressors, Instrumentation & Process Control, Thermal Equipment, Key Points for Compressors & Turbines, Maintenance Inspection, Maintenance Management & Equipment Availability Certification, Corrosion & Corrosion Prevention Certification, Utilities/Environment Management, PID (Project), Safety in Plant Operation, Commissioning & Start-Up of Process Units

Objective

To enhance understanding of maintenance strategies, reliability practices, and equipment integrity management across refinery units..

Delivery Method

- Classroom-based
- Distance Learning (Virtual)
- Practical Exercises (PE)
- Simulation-Based Training (if applicable)
- On-Job Orientation (OJO)
- On-Job Training (OJT)
- Workshops (if applicable)

5	Field Operator Basic Training Program	Ref. Code : IDP-005
Audience	<ul style="list-style-type: none"> • Entry-level field operators • New plant personnel • Contractors working in field operations or plant areas 	42 Days
Objective	To train field operators in basic process understanding, equipment operation, safety protocols, and routine plant duties.	
Delivery Method	<ul style="list-style-type: none"> • Classroom-based • Distance Learning (Virtual) • Practical Exercises (PE) • Simulation-Based Training (if applicable) • On-Job Orientation (OJO) • On-Job Training (OJT) • Workshops (if applicable) 	
Outline		
<p>Piping Vessels - Pipelines - Drawings (BFD, PFD, PID), Plot Plan, etc., Instrumentation & Control Devices, Field Operation, Rotating Machinery, Processes - Products - Sampling & Testing - Utilities, Operator Tools, Skills & Organization, Safety</p>		

6

Panel Operator Basic Training Program

Ref. Code : IDP-006

Audience

- Field operators transitioning to panel roles.
- Junior panel operators.

36 Days

Outline

Panel Operation Systems & Organization, Basic & Professional Training, Process Control - Automation & DCS, Simulated Panel Operation, Products & Processes, Integrated Plant Safe Operation

Objective

To build competencies in operating control panels, understanding DCS systems and responding to alarms and upsets in real-time scenarios.

Delivery Method

- Classroom-based
- Distance Learning (Virtual)
- Practical Exercises (PE)
- Simulation-Based Training (if applicable)
- On-Job Orientation (OJO)
- On-Job Training (OJT)
- Workshops (if applicable)

7

Shift Supervisor Basic Training Program

Ref. Code : IDP-007

Audience

- Senior operators
- Newly promoted shift supervisors
- Team leaders in operational departments.

20 Days

Outline

Roles & Responsibilities within Site Organization, Daily Plant Area Management, Daily Team Management

Objective

To strengthen leadership and organizational skills required for managing daily operations, safety, and team coordination in process facilities.

Delivery Method

- Classroom-based
- Distance Learning (Virtual)
- Practical Exercises (PE)
- On-Job Orientation (OJO)
- On-Job Training (OJT)
- Workshops (if applicable)

8

Industrial Safety Engineer Program

Ref. Code : IDP-008

Audience

- HSE engineers.
- Safety officers.
- Operations engineers.
- Personnel responsible for workplace safety and compliance..

35 Days

Objective

To develop advanced knowledge in industrial safety, hazard identification, risk assessment, and mitigation strategies in oil & gas environments..

Delivery Method

- Classroom-based
- Distance Learning (Virtual)
- Practical Exercises (PE)
- Simulation-Based Training (if applicable)
- On-Job Orientation (OJO)
- On-Job Training (OJT)
- Workshops (if applicable)

Outline

Risks Related to Flammables & Hazardous Behavior, Risks Related to Equipment, Inherently Safer Design, Mitigation & Protection Means, Control of Risks Related to Work on Facilities, HSE Risk Management, Environment Protection, Industrial Hygiene - Health at Work

EPROM offer varied range of technical courses in the below main topics -

- 1 Industrial Soft Skills
- 2 Equipment, Materials, Corrosion & Inspection
- 3 Process & Operation
- 4 Maintenance
- 5 HSE