

Egyptian Petroleum Institute (EPI)
Meeting the Skill-based Training Needs in Egypt and Beyond

Introducing EPI

- The Egyptian Ministry of Petroleum identified the need for a practical, applied training institution for the sector that would help Egypt to:
 - operate the new mega projects;
 - be competitive on a global scale in the field of oil and gas technology; and
 - integrate technology and skilled human resources to ensure competitive advantage in strategic industries.

- Based on this, EPI is being developed to meet the training needs of professionals and new recruits in the petroleum sector and related industries targeting Egypt, the middle east and northern Africa.
- Through EPI, applied training will be offered to those who are planning to start careers in the sector and to those who are currently employed and require new skills.
- Internationally certified courses are being developed through extensive collaboration with industry and will provide participants with applied skills and knowledge.
- EPI is a collaborative effort between the Egyptian Ministry of Petroleum and the Northern Alberta Institute of Technology (NAIT) which is an internationally recognized leader in developing and delivering practical, hands-on training programs
- EPI is owned, directed and funded by the Egyptian Oil and Gas Sector. The organization is governed by a Board of Directors comprised of senior industry representatives.

Goal

- The goal of EPI is to be a leader in all facets of education and training for the Egyptian petroleum industry. By constantly identifying changing industry needs, we will continue to offer career development services that enhance job performance while meeting the highest standards of efficiency, safety and environmental compliance.

Target participant groups for EPI

- Those who will benefit from the training programs at EPI include:
 - Current employees of petroleum-related organizations (national & Multi-national and service companies, Ministry and its affiliates' personnel)
 - Fresh graduates from University and High School, wishing to join the petroleum sector
 - Others from the region around Egypt, who want to take advantage of practical, applied training in the oil and gas sector at international standards.

Values, Vision, and Priorities of EPI

- Be a demand-driven, hands-on training institution responding to the needs of industry
- Apply processes of continuous improvement
- Offer technician and operator training programs that are developed and delivered to international standards
- Have an appropriate mix of theory and laboratory training
- Prepare individuals for employment in the oil and gas sector both inside and outside Egypt
- Set the standard for technical training in Egypt
- Help to coordinate, support and enhance the training capacity of Companies through a training network

Five-Year Institutional Development Plan

A five-year development plan has been prepared for EPI. The final shape of this plan will be determined by the EPI Board of Directors. The Plan is divided into two segments (A and B) as shown here.

A. Years 1 and 2: Delivery of Short Courses to Current Company Employees

- The immediate focus is on applied training based on the defined needs of companies
- Programs not requiring extensive laboratory / training equipment support will be offered

B. Year 3 and beyond: Full-time Programs

- While the short courses continue to be developed and delivered, full-time programs will be offered.
- Programs of a few months to a year will be developed and delivered as a means to prepare people for careers in the oil and gas sector
- Participants will either be graduates of secondary schools or universities
- The programs will be determined by the needs of the Industry.

NAIT's Involvement

- Institution building advisory services, including the development and implementation of a Business and Academic Plan
- Hands-on relevant curriculum
- Course delivery services

Programs areas being delivered

- Process Operations
- Mechanical Maintenance
- Instrumentation
- Electrical

Current Courses

The first course (Natural Gas Processing) started on 6 February 2005. Those planned for the remainder of the academic year are:

- Bearing Identification and Measurement
- Alignment
- DSC and SCADA Instrumentation
- Electrical Industrial Controls
- Oil refining Technology
- Instrumentation Engineering