



ALADL

LEADERSHIP
ACADEMY

TECHNICAL
Programs



TECHNICAL TRAINING

AI-ADL provides professional development programs over a broad range of subject areas such as engineering, safety, management etc. Each course offered by AI-ADL is developed, maintained, owned and taught by leading authorities on the subject of the course and who are actively working in the field. AI-ADL works with training and human resource professionals in leading companies and organizations from around the world to bring these courses to their organizations. We also locate or develop any needed training programs for any company seeking training.

TRAINING METHODS

AI-ADL relies on variety of training facilitation methods and techniques. Used whenever applicable, these methods are aimed at enhancing individual and group interaction while maximizing learning. Some of these methods are:

- * Brief presentations by the consultant.
- * Group debriefs.
- * Individual and team exercises, indoors and outdoors.
- * Behavior modeling and role-plays.
- * One-to-one and group discussions.
- * Case studies, simulations and small projects.
- * Video films, videotaping and playback.
- * Self-analysis questionnaire and learning instruments.

The background of the slide features a technical drawing of a bearing assembly, labeled 'FIG. 3', with various dimensions and cross-sectional views. Several physical bearings are scattered around the drawing, some showing their internal structure. The overall color scheme is light blue and white, with a dark green and dark blue geometric shape on the right side.

1. MECHANICAL TRAINING PROGRAMS

- Advanced welding technologies basic HVACR
- Bearing & lubrication
- Boiler operation & performance centrifugal compressors centrifugal pump
- Combined cycle system design & operation cutting tools
- Diesel engine operation & maintenance emergency diesel generator training fundamental of steam turbine design & operation
- Gas turbine mark(6) control system gas turbine operation, maintenance & protection
- Gas turbine performance & protection gear boxes (operation, maintenance & inspection)
- Mechanical troubleshooting for pumps, compressors, bearings & lubrications heat pump simulator



2. ELECTRICAL TRAINING PROGRAMS

- AC/DC drives
- Advanced HV& EHV
- Advanced HV& EHV switching
- Advanced protective relays for electrical power system
- Advanced relaying & equipment protection (transmission)
- Advanced to PPS / E program
- Basic simulator training for operators in combined cycle power plant (CCPP)
- Battery & battery charger operation, maintenance & trouble shooting
- Cable testing & fault location
- Capacitors in distribution systems
- Circuit breaker operation & maintenance
- Digital exciter maintenance
- Digital techniques for relays
- Digital techniques in power line carries
- Electrical safety
- Electrical troubleshooting techniques
- Excitation system



2. ELECTRICAL TRAINING PROGRAMS (CONT.)

- Load forecasting & system upgrade LPOFG & XLPE cable maintenance & testing
- Mechanical application overhead
- Transmission line works
- Medium voltage distribution
- MK-VI gas turbine control system
- Network operation (Distribution)
- Onload tap changes
- Operation & maintenance battery & dual battery chargers
- Over voltage in power systems
- Power distribution load
- Power engineering software solutions (CYME)
- Power factor testing
- Power flow analysis



3. CHEMICAL ENGINEERING TRAINING PROGRAMS

- Air & water balancing effects
- Cathodic protection & coating techniques
- Basic chemistry
- Basic operator course
- Chemical engineering for non-chemical engineers
- Chemical deposits & treatment
- Chemical plant operation & maintenance
- Corrosion, erosion engineering & cathodic protection
- Demineralized water treatment system
- Distillation controls
- Experimental design
- Fuel oil treatment(centrifuges) operation & maintenance
- Oil & gas pipelines



4. INSTRUMENTATION TRAINING PROGRAMS

- Controllers & control loops
- Distribution control system (DCS)
- Introduction to instrumentation
- Interpretation of P & ID-PFD
- Process control instrumentation technology
- Process control techniques
- Variables measurement (Temperature, pressure, flow, level)
- Automatic process control calibration & maintenance of meters
- Calibration & tuning of process
- Controllers calibration of valves, gauges & switches control valves & actuators



5. COMMUNICATION TRAINING PROGRAMS

- 3 network & communication
- Advance technology of signals & frequencies
- Audio visual system
- Basic principles of signals & frequencies building management system (BMS) community antenna television system
- Digital circuits & logic gates digital signal processing introduction to control system
- Master clock system
- Modulation
- Network & communication public address systems security systems
- Sound systems
- Telephone & data network systems
- Types of signals & frequencies
- Master clock system

A photograph of heavy construction equipment at a site. In the foreground, a yellow excavator is partially visible on the left. In the center, a yellow front-end loader is shown from a rear perspective, with its large black bucket raised. The background shows a hazy, overcast sky and some distant hills or structures.

6. HEAVY EQUIPMENT TRAINING PROGRAMS

- Bulldozers
- Excavator
- Forklifts
- Front end loader
- Man lifts
- Mobile cranes
- Overhead traveling crane (OET) cabin
- Overhead traveling crane (OET) pendant
- Overhead traveling crane (OET) remote
- Scaffolding – advanced
- Scaffolding – basic
- Safe slinging & rigging – lifting tackles



7. PIPELINES TRAINING PROGRAMS

- Cathodic protection
- Collect oil & gas pipelines samples
- Corrosion control
- Identify hydrocarbon hazards & precautions
- Hydraulics
- Identify hot tapping & stoppling
- Identify pipelines hydrotest procedures identify pipelines
- Mothballing procedures inspect & use gas monitor
- Inspect & use SCBA
- Inspect & use scott Air-pak
- Inspect & use gas monitor
- Inspect a pipeline & lubricate pipeline equipment
- Inspection and testing of pipelines repairs
- Introduction to pipeline control system (SCADA)
- Launch and receive scraper
- Operate an MOV, GOV, HOV and AOV and stroke and a cross-country valve operational risk
- Assessment in pipelines
- Optimizing pipeline operations
- Perform operational tasks at a gas or fluid
- Metering at RTU station
- Perform venting & alarming during pipelines
- Operations pipe repair procedures
- Pipelines fitting used in operation and maintenance



8. FINANCIAL & ACCOUNTING TRAINING PROGRAMS

- Advanced budgeting
- Advanced cost and managerial accounting
- Advanced financial accounting
- Bank lending & credit risk analysis
- Basic petroleum economics
- Cash flow management
- Cash management
- Cost effective budgeting
- Cost management workshop
- Cost and budgeting
- Effective internal auditor
- Finance and budgeting for non-financials
- Financial analysis workshop
- Financial auditing and control
- Financial skills for non-financial managers



9. SIX SIGMA TRAINING PROGRAMS

I- Lean six sigma (DMAIC)

- Lean six sigma blackbelt training
- Lean six sigma green belt training
- Lean six sigma Master black belt training
- Lean six sigma project champion training
- Lean six sigma deployment champion training
- Lean six sigma leadership training

II- Design for six sigma (DFSS)

- Design for sigma project champion
- Champion training
- Design for six sigma leadership training



10. QUALITY & ISO MANAGEMENT TRAINING PROGRAMS

- Employee awareness
- Essentials of total quality management (TQM)
- Establishment company objectives
- Internal audit management awareness managing a quality program
- Measurement, analysis and improvement
- Procedure writing
- Production optimization using system analysis
- Quality manager training
- Reliability leadership for manufactory excellence
- Self-audit programs
- Selecting the right manufacturing
- Improvement tools
- Statical process control
- Understanding ISO 9000:2000



11. INDUSTRIAL SECURITY TRAINING PROGRAMS

- Advance security management
- Basic security skills development
- Basic security guard
- Comprehensive security management course
- Leadership & security supervision basic skills
- Modern concepts for industrial security
- Professional security inspector (techniques and methods)
- Security planning (protection plans & set up procedures)
- Security within the oil & gas industry site
- Technological monitoring system
- Specialized search (explosives & bombed vehicles)
- Technique of investigation & security
- Questioning



12. HEALTH, SAFETY & ENVIRONMENT TRAINING PROGRAMS

- Accident prevention
- Basic fire prevention & fighting
- Basic first Aid and CPR
- Basic safety & loss prevention breathing
- Apparatus service & maintenance
- Chemical hazard awareness
- Confined space entry
- Defensive driving
- Disasters management
- Electrical safety training program
- Emergency response planning for crisis
- Environment & pollution control



13. INFORMATION TECHNOLOGY TRAINING PROGRAMME

1- Beginners Courses

- Introduction to PC Keyboarding/Typing
- Ten Key (Data Entry) Windows XP
- Internet Fundamentals Computer
- Assemble Networks Fundamentals
- Computer Accessories
- Computer Operating Systems
- Microsoft Office Application

2- Intermediate Courses

- MS Word
- MS Excel 2003
- MS Access & Data Base Entry
- MS Publisher (Desktop Publishing)

3- Advanced and Speciality Courses

- MS Powerpoint
- MS Publisher
- MS FrontPage
- QuickBooks Basic (Accounting)
- J.A.W.S for Windows 5.0 (Basic computer and internet training for the visually impaired)
- Advance Computer Assemble
- Advance Networks
- Advance Computer Operating Systems
- Microsoft Office Application Internet & Intranet Profession Data Bases Management
- Computer Programming SAP
- Computer Programming Oracle
- Computer Programming BAN
- Computer Programming C++
- Computer Programming Delphi
- Computer Programming Java
- Computer Programming VB. Net
- Computer Programming ASP. Net



14. CSCP (CERTIFIED SUPPLY CHAIN PROFESSIONAL) BY APICS

APICS CSCP program will provide an end-to-end view of Supply Chain; from suppliers's supplier to customer's customer throughout the planning, operation and execution of best industry practices.

Module 1: Supply Chain Design

- Develop Supply Chain Strategy
- Design of Supply Chain

Module 2: Supply Chain Planning & Execution

- Procure and Deliver Goods and Services
- Manage Relationships with Supply Chain Partners
- Manage Revers Logistics

Module 3: Supply Chain Improvements & Best Practices

- Comply with Standards, Regulations and Sustainable Best Practices
- Manage Risk in Supply Chain
- Measure, Analyze and Improve Supply Chain

Khalil Mahmoud
Consultant

+966-50-589-0526

khalil.mahmoud@al-adl.com

ALADL | LEADERSHIP
ACADEMY