

Course Overview:

Gas compressors are used in power and gas fields in many applications such as gas boosting, gas lift, gas re-injection and vapor recovery systems. Gas compression projects often encompass many engineering disciplines and different technologies. This five-days' workshop presents an overview of gas compression technologies. It covers the various types and various aspects of gas compressors from concept to field applications. The emphasis is on practical matters such as compressor selection and testing. The workshop also addresses some of the implementation issues for projects involving gas compressors.

Course Objective:

- Familiarize the participants with different types of compressors.
- Learn the appropriate operation methods.
- Learning the operation limits of the machine

Course Outline:**OVERVIEW OF GAS COMPRESSION**

- THERMODYNAMIC OF COMPRESSION
- CLASSIFICATION OF GAS COMPRESSORS
- SELECTION OF COMPRESSOR TYPE
- DRIVERS

RECIPROCATING COMPRESSORS

- COMPRESSOR COMPONENTS
- CAPACITY CONTROL
- PULSATION STUDY & PIPING VIBRATIONS

CENTRIFUGAL COMPRESSORS

- CENTRIFUGAL COMPRESSOR COMPONENTS
- COMPRESSOR PERFORMANCE
- COMPRESSOR SEALS
- DYNAMIC SIMULATION

ACID GAS INJECTION**PROJECT IMPLEMENTATION ISSUES****Who Should Attend:**

- Facilities Engineers
- Production Engineers
- Operations Engineers & Supervisors
- Maintenance Engineers
- Project Engineers / Managers

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation