

**Course Overview:**

Centrifugal Pumps and Compressors find extensive use in power plants, water circulation systems, A/C and heating systems, and many other applications. Keeping these machines running with least troubles and shutdown decreases the downtime of the whole system. Right machine selection appropriate to the right application, right machine operation, effective maintenance programs, reliable monitoring system, and skilled personnel capable of doing the right trouble shooting are essential requirements for prolong machine life.

**Course Objective:**

- Familiarize the Attendees with different types of pumps and Compressors
- Learn the appropriate operation methods. By learning the operation limits of the machine
- Upgrading the knowledge of problems and solutions for pump and Compressors.
- Exercising examples of troubleshooting methods
- Highlight the importance of cavitations in pumps
- Highlight the importance of seals and bearings on pumps availability
- Learn the importance and methods of lubrication

**Course Outline:**

- Introduction To Pumps
- Pumps Classification
- Types And Operation Of Pumps
- Main Parts Of Centrifugal Pump And Function Of Each Part
- Operational Performance Of Pumps
- Introduction To Compressors
- Classification Of Compressors
- Centrifugal Compressors
- Operation And Control Of Centrifugal Compressors
- Maintenance AND TROUBLESHOOTING CENTRIFUGAL PUMPS AND COMPRESSORS

**Who Should Attend:**

Mechanical, Operation, Production, and Maintenance Engineers Senior Technicians should benefit from this course. Also Senior Technicians should update and refresh their knowledge by attending this course.

**Training Language:**

Eng

**Training Methodology:**

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

**Venue | Date | Fees**

Khobar | 12-11-2023 | 10,350 SAR  
ONLINE | 12-11-2023 | 7,475 SAR