



شركة ميرك العربية السعودية  
MEIRC Saudi Arabia

## Compressors Operation & Troubleshooting

**Duration 5 Days**

### **Course objective**

- Describe the basic functions and common types of compressors.
- Describe the major components of compressors.
- Describe how compressors work.
- Describe the operation of compressors.
- Describe the maintenance requirements of compressors.

### **Course Outline:**

#### **Introduction to Compressors.**

- The basic functions of compressors.
- Three common types of compressors.

#### **Major Components of Compressors.**

- The components that are common to reciprocating compressors.
- The components that are common to centrifugal compressors.
- The components that are common to liquid ring compressors.

#### **How Compressors Work.**

- The natural principles of gases and vapors that affect compressors
- How a reciprocating compressor works.
- How a centrifugal compressor works.
- How a liquid ring compressor works.

#### **Operating Compressors.**

- Normal start-up of compressors.
- Normal operation of compressors.
- Normal shutdown of compressors.

#### **Compressors Maintenance & Troubleshooting.**

- Daily preventive maintenance.
- Special maintenance & Troubleshooting.