

# THE THEORY, DESIGN, OPERATIONS & MAINTENANCE OF AIR COMPRESSORS



## WHO should attend?

Facilities engineers, maintenance engineers, design engineers, production and manufacturing technicians and any one who would like to widen their knowledge on the theory of air compressors.

## WORKSHOP overview

Compressed air is used widely throughout industry and is often considered the “fourth utility” (after electricity, water and gas) at many facilities. Almost every industrial plant, from a small machine shop to an immense pulp and paper mill has some type of compressed air system. In many cases, the compressed air system is so vital that the facility cannot operate without it. A properly managed compressed air system can save energy, reduce maintenance, decrease downtime, increase production throughput, and improve product quality.

The course is designed for participants who have little or no knowledge of air compressors. This course is also designed to introduce the participants to the various compressor terminologies frequently used, the various types of compressors used, the various parts and to some basic design. The overall objective is to give the participants a functional knowledge of basic compressor theory.

## WORKSHOP objectives

At the end of the programme, participants will be able to understand:

- the design, construction, operations and maintenance aspects of the various types of air compressors used;
- the various costs involved in compressed air ; and
- the safety and environmental issues associated with air compressors.

## WORKSHOP outline

- Compressors and Auxiliary Equipment
- Dimensioning And Installation
- The Compressor Room
- Economical Considerations
- Examples of Calculations
- Examples Of Calculations (contd)
- Current Standards And Norms

FOR MORE DETAILS, PLEASE CONTACT:

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