

# EFFECTIVE MAINTENANCE FOR HYDRAULICS AND PNEUMATICS SYSTEMS

## OVERVIEW

This course is aimed at providing an in-depth understanding to the principles of hydraulics and pneumatics integrated with effective maintenance works in industries.

## TARGET MARKET

Manufacturing, process, executives, managers, support employees.

## COURSE OUTLINE

- Introduction
- Basic hydraulics system and its components Hydraulic graphical symbols and explanation
- Requirements of hydraulic fluids and storage Types of hydraulic actuators and its uses
- Pneumatic system layout and basic requirements
- Pneumatics systems and its components
- Problem solving maintenance guide for hydraulic and pneumatic system

## OBJECTIVES

- Be able to design and select suitable components in both hydraulic and pneumatic systems
- Understand the fundamentals of how to build line diagrams with these components
- Know simplified calculation in hydraulic and pneumatic systems
- Acquire tips on installation procedures
- Be able to trouble-shoot problems faced in these systems
- Have up to date information on the principles, operation and maintenance practices of hydraulics and pneumatics systems

**SBL CLAIMABLE**



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