Compressor, Stem Turbine and ...Pumps Technology: Design, Operation, Control, Troubleshooting and Maintenance

Date	Venues	($)Fees	Book your seat
28 Jan -01 Feb 2024	Kuala Lumpur	3300	Register Now

Course Overview

Pump, Compressor and Turbine are common in almost all industrial systems and applications. Good understanding of the selection, installation and maintenance of these machines helps keeping them running with minimum troubles and shutdown and thereby improving the system reliability.

This five-day course is designed to provide participants with a guide to the fundamentals of compressors and turbine. This course discusses the basic and practical considerations related to this equipment. It will focus on the most common types of compressors and their problems and relevant troubleshooting.

Course Objective

- Familiarize the Attendees with different types of pumps
- Learn the appropriate operation methods. By learning the operation limits of the machine
- Upgrading the knowledge of problems and solutions
- Familiarize the participants with different types of compressors and turbine.
- Learn the importance of lubrication and its methods to compressors
- Learn the appropriate methodology of machinery troubleshooting.

Who Should Attend?

Mechanical, operation, and maintenance engineers, technicians who are engaged in or intend to be familiar with rotating equipment systems and their problems are targeted. Also senior staff should update and refresh their knowledge by attending this course.

Course Outline

- INTRODUCTION TO PUMPS
- PUMPS CLASSIFICATION
- OPERATION OF PUMPS
- MAIN PARTS OF PUMP AND FUNCTION OF EACH PART
- PERATIONAL PERFORMANCE OF PUMPS
- MAINTENANCE AND TROUBLESHOOTING PUMPS
- INTRODUCTION TO COMPRESSORS
- CLASSIFICATION OF COMPRESSORS
- CENTRIFUGAL COMPRESSORS
- OPERATION AND CONTROL OF CENTRIFUGAL COMPRESSORS
- STEAM TURBINE ENGINE
- STEAM TURBINE PRINCIPLES
- STEAM TURBINE COMPONENTS
- EQUIPMENT SYSTEMS
- TURBINE PERFORMANCE
- TURBINE MAINTENANCE

- CONDENSERS
- EXTRACTION
- LUBRICATION

Training Methodology

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

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