



Gear Reducer Troubleshooting

Date	Venues	(\$)Fees	Book your seat
21 Dec -25 Dec 2025	Cairo	2900	Register Now

Course Overview

This seminar is designed to enable participants to recognize the type of gears and understand basic functions of gearboxes.

Course Objective

- Explain the fundamentals of gear contacts, geometry and of the materials employed.
- Review the major types of gears and their diverse operational properties.
- Discuss the main factors affecting gear design
- Describe how to select a gearbox for a given application and the factors that need to be considered.
- Show the methods of manufacturing gears.
- Discuss the vibration problem in gears.
- Learn what the common gear failures are and how to avoid them.

Who Should Attend?

This course is recommended for supervisors or technicians working on gearbox maintenance or those requiring knowledge of gearbox functions.

Course Outline

- Fundamentals Of Gears
- Definition Of Gears
- Types Of Gears
- Terminology Of Gearing
- Open And Closed Gear Drives
- Principles Of Gear Reducers
- Types Of Gear Reducers
- Lubrication And Preventive Maintenance
- Troubleshooting

Training Methodology

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



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