

Reverse Engineering

Objectives:

- This course depend on the different practical scientific methods in the field of cement industry; these courses are enriching developing the ideas and behavior of engineers and given keys in dealing with many of the problems that occur with confidence, which is useful in raising production capacity in line with the theories and engineering expertise accumulation.
- Trainee will get to know the importance of science measurements in the development of cement industry as well as the utmost importance in the development of people.
- Practical training on the most important devices used in the measurements in the cement industry as well as an explanation of the latest hardware recently used.
- To know what is reverse engineering and its role in the progress of nations, and the pace of exceptional example from one of the sectors of the Chinese experience.
- To know the principles of industrial engineering in the cost analysis and feasibility studies in reverse engineering.
- To know the latest devices working in the field of reverse engineering.
- To know what the benefits of the use of reverse engineering on the work environment which it operates.

Participants:

This course addresses Mechanical engineers working in maintenance, preparation office, Inspection, preventive maintenance.

Course contents:

Metrology and its importance in cement industry

- √ Why metrology?
- √ Fits & tolerances
- √ Geometrical engineering
- √ Metrology tool “manual/ automatic”
- √ Precision
- √ How to use tools
- √ Perfect methods for measurement
- √ Metrology considerations
- √ The Most advanced tools for measurement

Reverse engineering in cement industry

- √ Importance of reverse engineering in cement industry
- √ Cost Analysis
- √ Reversing considerations
- √ Advanced reversing methods “robotic arms, laser scanning”
- √ Examples for reverse engineering in cement industry