

Mechanical Maintenance In Cement Plants

Objectives:

The course explores different maintenance challenges presented by cement factories , this course training provides trainees with the necessary skills to perform mechanical maintenance, including the removal and replacement of equipment (pumps, gearboxes, motors and power transmission systems) and identification and rectification of bearing faults within these systems., dependent on their scale, location, number of lines operated and vintage. Also the ways in which maintenance will be judged, not only from the availability of the equipment and the costs of maintenance, but also from the overall equipment effectiveness.

Participants:

This course addresses Mechanical engineers working in maintenance, preparation office, Inspection and preventive maintenance, This course is equally suitable for production operatives or/ for craft personnel already involved in maintenance activities.

Course Outlines:

- Reverse engineering
- Heat treatment and parts material in cement plants
- Welding technology
- Vibration measurements, data collection and vibration analysis
- Hydraulic systems and maintenance
- Fans & pumps
- Belt vulcanizing
- Preventive maintenance
- Lubrication chart and schedule for cement plant
- Crusher
- Belt conveyors and bucket elevators
- Stackers and reclaimers
- Ball mills (raw mills + cement mills)
- Vertical mills
- Rotary kilns, kiln alignment and roller adjustment
- Cooler
- Pneumatic equipments (air slide, air lift, fuller and peter pumps)