

# Reliability Maintenance (REM)

The production/operation activities are the ones delivering customer requirements. The critical role of maintenance is to make the machines available for production. Breakdowns and machine failures are prevented and total maintenance cost is pinned down to the minimum.

This one day seminar takes you through the factors which affect equipment performance efficiency, availability and service life. It imparts the tools and techniques for measuring, calculating, predicting and improving machine, equipment and parts reliability. The organizational aspect (Reliability Committee) of reliability improvement in a company will be covered. The Apollo method of failure analysis will be imparted as a technique for post mortem equipment failure. Finally the methodology for migrating the breakdown incidents to planned maintenance.

**Objectives:** At the end of the seminar, the participants would have acquired the following:

1. Clear understanding on the selecting the "Right Mix" of Maintenance Strategy
2. Appreciate metrics formulation to measure equipment performance
3. Develop constructive analysis to mitigate chronic equipment failure
4. Derive benefits from organizing the Reliability Committee (**best practice**)
5. Finding effective solution through application of "Root Cause Analysis"-the Apollo Method.

## Agenda:

- Kaizen introduction
- Maintenance philosophies
- Machine Availability
- Machine Efficiency
- Machine Breakdown
- The Reliability Function
- Reliability Centered Maintenance
- Failure Mode Effects & Criticality Analysis
- Organization for Reliability
- Apollo Root Cause Analysis
- Breakdown to Planned Maintenance

**Who should attend:** Plant Managers, Operation Managers, Production, Maintenance (Mechanical, Electrical, Instrumentation, Methods, Engineering) Managers, Purchasing or Warehouse Managers and Line or Area Supervisors. It will be beneficial also for the plant engineers (Inspectors, Planners, Schedulers, mechanical, improvement) to attend as the concept involves cross-functional teamwork

**Seminar Fee:** P5,700 + P684 VAT

**Facilitator:** Jose S. Villegas

April 6'20, Jun 8'20, Aug 4'20, Oct 13'20, Dec 4'20

**Number of days:** 1

**Seminar Dates:** Feb 10'20,