

CBM IN INDUSTRY

Dr. V. Bhujanga Rao

Director, Naval Science and Technological Laboratory
Visakhapatnam

ABSTRACT

The operation and maintenance of any high value and strategically important industry in the increasingly stiff global market require that it provide maximum return on investment with minimum of unplanned outages and maintenance costs while improving plant efficiency. Implementation of latest and viable techniques in maintenance can lead to significant annual savings with improvement in overall operating efficiency of plants. One of the ways to reduce operating costs is through predictive maintenance. Predictive maintenance is more effective than breakdown or preventive maintenance in terms of economical and operational benefits.

This lecture brings out benefits of implementing Condition Based Maintenance in the industry. In addition to economic benefits, increased plant efficiency and reduced maintenance cost are highlighted. An overview of condition monitoring with specific emphasis on Vibration based diagnostics is also presented. Further, management perspective of implementing predictive maintenance strategy is discussed.