

# **Industrial Maintenance Management – A Practical Approach**

**Hani Shafeek**

**Department of Industrial Engineering**

**Faculty of Engineering**

**King Abdulaziz University, Rabigh, Saudi Arabia**

**Suez Canal University, Industrial College of Education, Egypt**

## **Abstract**

The goal for any company is to increase profitability. The maintenance management can increase profits in two main ways, decreasing expenses and increasing capacity. Maintenance expenditures are wasted through ineffective utilization of the maintenance resources. Industrial maintenance processes have been described through fifteen separate domains that altogether encompass maintenance management system. Fifteen types of maintenance process areas that need improvement are identified as maintenance organization, operation, reliability etc. The aim of the paper is to study the effectiveness and implementation of the maintenance management system program for heavy industries by helping maintenance managers to focus on measuring the effectiveness of maintenance system. Data was collected through two methods - firstly some professional maintenance engineers were interviewed and data was recorded and secondly, a questionnaire was developed and distributed to the professionals and the responses reviewed. In the cement industry, 15% maintenance performance improvement can be achieved by enhancing maintenance in the suggested areas. So to obtain fast and concrete results and to improve the maintenance management system, we must start by focusing on those areas need improvement.

## **Keywords**

Maintenance management, Heavy industry, Continuous improvement, Cement, Case study