

# Strategic Maintenance Management in State of the Art Paper Machines

**K.Thangaraju, S.Nandagopal, B.Mahesh**

## **ABSTRACT**

The pulp and paper industry is under severe pressure to improve the return on capital employed. Our strategic approach to maintenance is helping to achieve this goal by maximising the machine uptime.

Maximising the efficiency and availability of a plant and equipment in the most effective manner requires a shift from traditional maintenance approach like reactive and functional, to a proactive maintenance that is fully integrated into overall plant activity.

Up keeping the high Speed Paper Machines at TNPL is possible by the implementation and execution of strategic maintenance practices. The Maintenance departments in TNPL have well documented, executed & measured strategies with meticulously planned practices to establish highest standards in maintenance.

Beginning with the general concepts and world class standards in Maintenance, this paper highlights the various strategies practiced in TNPL such as Planning and scheduling, Root cause failure analysis, Continual improvement, Technological up gradation and Value engineering. The uses of strategic enablers - Information technology and Knowledge management, to achieve the maintenance target are also deliberated. This paper concludes with the future trends and challenges to maintenance management to up keep the modern high speed paper machines.