

# PM Optimization and Workflow Review Decreases Maintenance Work Hours

## RESULTS

- Optimization action for over 90% of PMs reviewed
- Over 1,000 maintenance technician hours saved
- 20 % efficiency gain

## APPLICATION

- Paper, ink and film industry

## CHALLENGE

A leading company in paper, ink and film needed to improve the efficiency and effectiveness of its plant maintenance workforce. Due to market conditions, the client had already reduced its plant workforce in recent years and needed to further enhance productivity to meet production cost goals.

## SOLUTION

In order to meet the client's objectives, a short-term pilot project was crafted within one of the client's plants, with the objective of the internal project team being able to roll out their experience to other plants and gain similar results. During this project, Emerson worked with the client team to enhance maintenance work management processes - with a focus on improving planning and scheduling effectiveness.

Our Reliability Consulting team also developed a customized evaluation tool from which the joint client and consulting team facilitated the review of over 1,200 existing preventive maintenance (PM) procedures. To enable these two work streams, a customized Equipment Criticality Ranking (ECR) template was developed and facilitated ECR ranking of approximately 1,400 production assets, allowing focus to be placed on high-priority assets for PM optimization activities. Emerson also provided awareness training on Reliability Centered Maintenance (RCM) principles.



***Maintenance work management process improvements positioned the client to enhance maintenance technician efficiency up to 30% through more focused proactive planning and scheduling. Prior to the project, the client had technicians perform their own work order planning and their scheduling process was not focused on maximizing workforce utilization.***



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