

Some of the results obtained by investing in a proactive partnership between Maintenance and Operations with a focus on improving equipment follow.

- Aerospace company shows 29% reduction in Maintenance calls in only 3 months.
- Defect rate cut by 90% from 10 per 1000 to 1 per thousand
- Equipment speed increased by 10% translating to greater capacity and available shifts of production
- Reported reductions of 30% in maintenance costs for sites engaged in equipment improvement (minor stoppages, downtime, incorrect procedures or operation, poor preventative maintenance).
- Increased safety, one company significantly reduces minor injuries with operators now properly trained for operating equipment and performing light maintenance activities. Minor injuries reduced to 3 per 1,000,000 activities.
- One company invested \$2.1 million in TPM type activities, yet returned \$5.1 million during the same period, 262% ROI.
- Another company invests \$1 million per year and sees a cost reduction of over \$5 million per year for a 500% ROI.
- Improved employee pride and ownership in their equipment achieved with better training and skills developed by the operators themselves.

*References:*

*Successfully installing TPM in a Non-Japanese Plant, Hartman*

About the author:

Jeff Shiver is a Certified Maintenance and Reliability Professional, and Certified Plant Maintenance Manager. He held operations and technical roles across 20 years for a global manufacturer, a leader in confectionary snacks, food processing and pet care. Jeff worked in 4 different manufacturing sites and on 2 U.S. and Canadian regional assignments. Prior to his last manufacturing role as an Operations Area Manager, he was the site Maintenance Manager where he led a change effort towards a proactive reliability-based culture. His passion for maintenance and operations best practices led him to People and Processes, Inc. where he is a Managing Principal. Jeff can be contacted at [jshiver@peopleandprocesses.com](mailto:jshiver@peopleandprocesses.com).



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