

# What is TPM?

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This presentation provides an introduction to the history and benefits of Total Productive Maintenance and Manufacturing (TPM)



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This complimentary presentation is one of several Abidian offers to help our clients better grasp the various lean, six sigma, and maintenance productivity improvement tools available. It's our hope the presentations give you an understanding of how Abidian and the tools might be used to improve the effectiveness of your organization. The presentation itself may be freely distributed and shared with others as long as no changes are made.



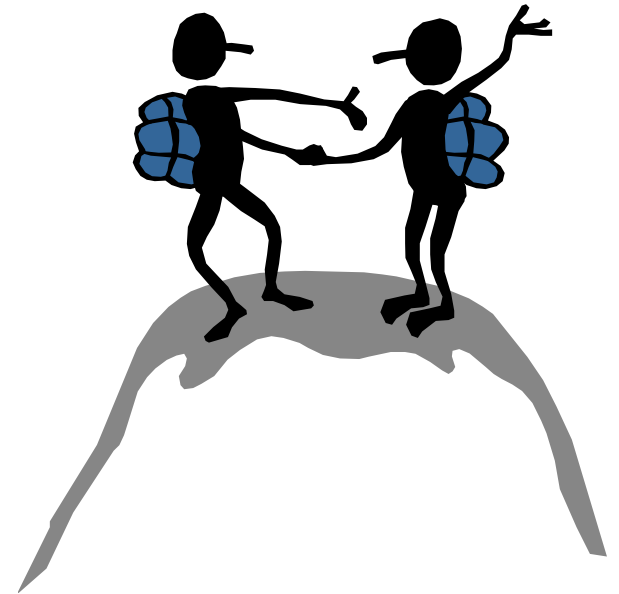
Originating with the U.S. concept of Preventive Maintenance, “Total Productive Maintenance” was formally introduced by Toyota in 1971. By 1989, it had grown beyond production and maintenance to include all aspects of manufacturing. Today, we commonly refer to TPM as Total Productive Manufacturing.

# Total Productive Manufacturing is ...

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- Establishing a culture that maximizes effectiveness
- Organizing a practical system to prevent losses before they occur throughout the entire product or service life cycle
- A goal of zero accidents, zero defects, and zero breakdowns
- Involving all the functions of the organization including Sales, Engineering, Safety, HR and IT
- Achieving zero losses through the efforts and activities of overlapping teams

Bottom Line: Total  
Productive Manufacturing  
recognizes the whole  
organization must be  
involved to realize its full  
potential

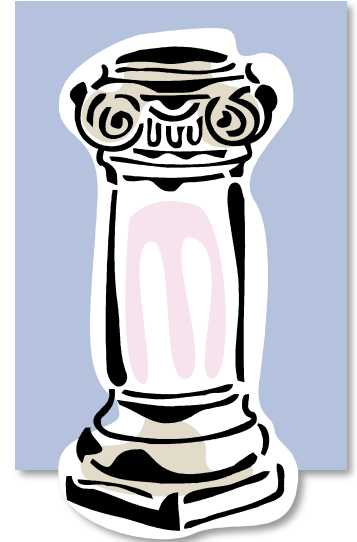


# Total Productive Manufacturing (TPM)

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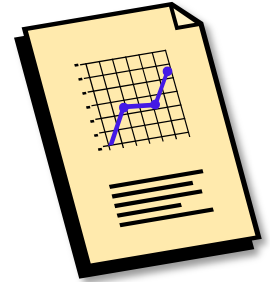
TPM is based on areas of emphasis known as “Pillars”  
... these pillars might include

- + Health, Safety, and Environmental
- + Focused Improvement
- + Work Area Management
- + Autonomous Maintenance
- + Planned Maintenance (Incl. Prev./Pred. Maint)
- + Process Quality
- + Education and Training
- + Administration and Support Systems



# Potential TPM Benefits

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- As much as 25 to 100+% capacity/productivity improvement ... across the entire organization!
- Up to 80% improvement in mechanical availability resulting from breakdowns being 1/30th to 1/100th of historic levels
- Reduced maintenance costs of 25 to 30%
- Improvement to 99+% quality
- Capital avoidance
- Failures become an embarrassment rather than a common occurrence
- Improved morale

# Keeping TPM practical ...

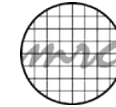


- TPM is not for the faint of heart
- Successful TPM requires a strong, charismatic leadership team and excellent working relationships
- Most companies begin with Lean and then follow with Six Sigma and/or Theory of Constraints before attempting TPM
- Outside coaching and mentoring suggested



# ABIDIAN: Business-Speak for Excellent Change

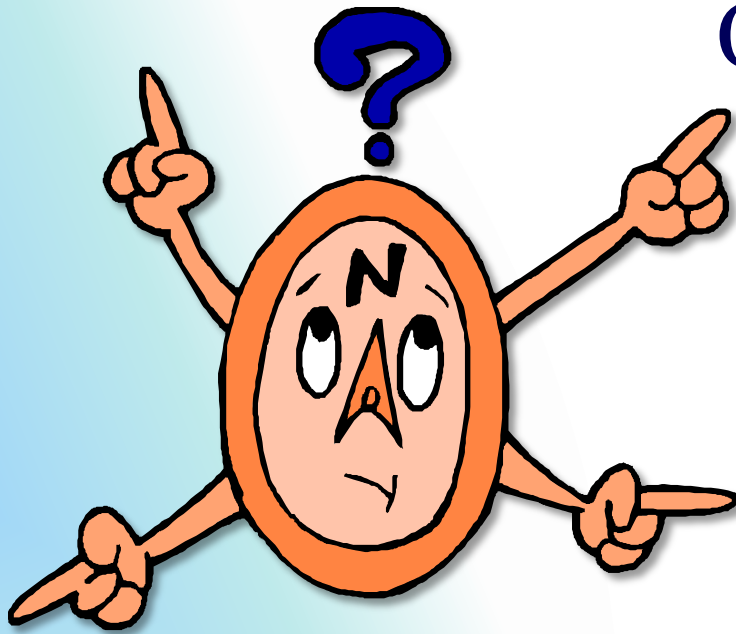
Over 6000 individuals from North America, Europe, and Asia have attended our workshops, presentations, and improvement events. Abidian has been recognized by the American Society for Quality, United States Congress, and U.S. Commerce Association.



# The Numbers ...

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- 97% of the attendees at Abidian's workshops and kaizens have rated the knowledge of their workshop facilitator as excellent.
- 94% of all workshop and kaizen attendees rated the hands-on exercises and practicality of the illustrations provided as very good or better.
- 100% of all attendees have given their kaizen improvement event or workshop an overall rating of very good or excellent.
- Projected savings identified by our clients from our recent workshops, kaizens, and onsite efforts are well over \$80 million.



# Questions?

... or looking for help  
to get started?

Contact Abidian today. You can reach us  
at 843-536-0942 or [info@abidian.com](mailto:info@abidian.com).

Abidian, a recognized leader in productivity improvement,  
provides hands-on training in Lean, Six Sigma, Maintenance  
Excellence, Theory of Constraints, and Total Productive  
Maintenance/Manufacturing.

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