

**A New 2 Day Seminar Coming to Your Area**

# Implementing **Total Productive Maintenance** (TPM) & 5S™



For a schedule of open enrollment classes or to bring this training to your plant or facility, contact us @

**1-877-97-TRAIN**

**www.AmericanTrainco.com**

**Reduce Breakdowns,  
Stoppages and Lower  
Your Costs!**

## **Learn:**

- How and Why Equipment Fails
- Causes and Types of Equipment Failures
- How to Measure Overall Equipment Effectiveness (OEE)
- How 5S Can Make Your Facility Run More Efficiently
- How to Build an Effective Maintenance Team
- How Reliability Affects the Bottom Line!

**Supports Six Sigma and  
Lean Manufacturing!**



- **Reserve Your Space Now! CALL 1-877-97-TRAIN**
- **This seminar can be presented at your facility for larger groups**
- **Check us out online at [www.AmericanTrainco.com](http://www.AmericanTrainco.com) for a complete listing of all seminars coming to your area**

## Implementing Total Productive Maintenance (TPM) & 5S™

▶ *"Learned new ways to rally the whole plant towards better results"*

Ryan Collison - Plant Engineer - Interplastic

▶ *"Instructor was very knowledgeable and helpful"*

Steven Johnson - Electric Technician - Renewal

### PURPOSE OF SEMINAR

Total Productive Maintenance (TPM) and 5S are two of the most important maintenance tools for a world-class program. Thousands of companies across the world rely on TPM & 5S as part of their Lean Manufacturing, Six Sigma or other programs. If you are interested in making your maintenance program run more efficiently and reduce your costs, that is what this seminar is all about.

TPM focuses on getting managers, maintenance personnel and equipment users all working together to prevent equipment problems and reduce expenditures. By giving ownership and responsibility of equipment and processes to the right employees, equipment breakdowns are reduced. 5S provides a systematic approach to setting standards and visual guides for preventing breakdowns and making your equipment run smoothly.

By the end of this seminar, students will be able to go back to their facility and immediately apply what they learned to help keep their equipment up and running. Training like this never costs – *it pays!*

### LEARNING OBJECTIVES

Upon completion of this course students will receive a personalized American Trainco Certificate of Completion and 1.4 CEU's (Continuing Education Credits) approved by the Maintenance Training Association of the Americas indicating that he or she has learned how to:

- Understand How and Why Equipment Fails
- Identify Causes and Types of Equipment Failures
- Use Root Cause Identification Tools
- Measure Overall Equipment Effectiveness (OEE)
- Implement 5S
- Build an Effective Maintenance Team
- Create a Tracking and Checklist Program
- Utilize Visual Guides
- Communicate TPM through the Whole Facility

### ABOUT OUR INSTRUCTORS

All American Trainco instructors are required to have a formal education and real world work experience. They need to be leaders in their field. We don't hire field people without teaching experience, and we don't hire teachers without field experience. They must have both. And since attendees critique the instructor at the end of each class, a positive and enjoyable learning experience is virtually guaranteed.

### UNAFFILIATED & NON-COMMERCIAL

Unlike some training experiences, you won't get a sales presentation at an American Trainco seminar – all you get is an honest, commercially unbiased education. We do not endorse or engage in the sale and promotion of any other supplier's products, so you know that by attending one of our seminars, your time and money is well spent.

### WHO SHOULD ATTEND

This seminar is a must for anyone who is involved with maintenance at industrial plants, utilities or commercial and private building facilities. Attendees come from a wide variety of industries, skill-levels, company sizes, and job titles, so if you're not sure you'll fit in or will benefit from the class, don't worry – you will – as long as your job involves maintenance! People who will benefit from attending this seminar include...

#### Maintenance Personnel & Managers in:

- Manufacturing Plants
- Commercial Buildings
- Utilities
- Hospitals
- Waste Water Facilities
- Schools
- Government Buildings
- Shopping Centers
- Office & Apt Buildings

### HIGH QUALITY PRESENTATIONS

From the start we've demanded that all our presentations would be lively, attractive, crisp and clear. Our instructors use state-of-the-art computers, projection equipment and software to bring you a high quality visual experience.

### TEACHING PHILOSOPHY

"Real World Training...for Real World Needs", is not just our slogan, but also our mission statement. At American Trainco, we approach our students as if they were our own employees. We instruct and guide them in practical knowledge that allows them to immediately go back to their workplace and apply what they have learned. Our instructors are seasoned veterans with years of real world experience, and the students who attend our seminars often get more from a few days of training than an entire year of reading textbooks or watching videos. How do we know? They tell us.

Anyone can teach theory, but there simply is no substitution for experience. What sets American Trainco apart is our ability to communicate that experience to our students. As one attendee told us at the end of his two-day training course, "I think I can go back to work now and teach the veterans a thing or two."

Mission accomplished.



## C O U R S E O V E R V I E W

Understanding how taking care of equipment and facilities can save millions of dollars. This two-day course is for maintenance personnel, operators and managers and develops the philosophy of working together as a team and sharing responsibility for maintenance. Managers can learn how TPM (Total Productive Maintenance) can impact the bottom line and workers can learn how TPM can make their job easier and their work more productive.

### AGENDA

- I. **Workplace Organization Using 5S**
  - A. Sort
  - B. Set in Order
  - C. Shine
  - D. Standardize
  - E. Sustain
- II. **Creating a Maintenance Team**
  - F. Operator Involvement
  - G. Maintenance Personnel Involvement
  - H. Management Involvement
- III. **"Five Why" Tool to Ferret out Root Causes**
- IV. **Types of Equipment Failures**
- V. **Causes of Equipment Failures**
- VI. **When and How to Report Problems**
- VII. **Cleaning and Inspection**
- VIII. **Continuous Improvement of Equipment**
  - A. Measuring Overall Equipment Effectiveness (OEE)
  - B. How measurement develops proper focus for maintenance
  - C. Six big losses resulting from inadequate maintenance
  - D. Calculating OEE
- IX. **Key Elements of Preventive Maintenance**
- X. **Tracking Preventive Maintenance**
- XI. **Building Effective Checklists**
- XII. **Key Elements of Predictive Maintenance**
- XIII. **Team Work**
  - A. Operator's Role
  - B. Maintainer's Role
  - C. Management's Role
- XIV. **How Visual Controls Assist Total Productive Maintenance**
- XV. **Communicating the TPM Mentality to Everyone in the Facility**



▶ ***"Creating an effective maintenance team and a program to follow can save us millions."***

Most students who attend our seminars are interested in a well-rounded general education. But many others have unique issues they face at work, and so they want specific answers to specific questions. Therefore, at the beginning of each seminar students are given the opportunity to briefly write down their reasons for coming to the seminar and/or what they hope to specifically learn while in attendance. Using this information, the instructor may change or vary the course information listed above depending on the needs and interests of the students.

### SEMINAR AGENDA

7:30am	Registration
8:00am	Class Begins
12:00-1:00pm	Lunch (on your own)
4:30pm	Class Ends

### SEMINAR FEE

\$990 Both Days

### NO RISK REGISTRATION & MONEY BACK GUARANTEE

If you're not sure you'll be able to attend this seminar, you can still make a reservation to hold your space in class. While payment is due prior to the start of the seminar, you may choose a full refund or credit for cancellations made at least 24 hours in advance. Student substitutions can also be freely made at any time prior to the start of the seminar. Refunds will not be issued for registered attendees who fail to show up and have not given a notice of cancellation. In the rare event that you do not receive the expected value after attending our seminar, simply notify us in writing of your reasons and your money will be promptly refunded.

### IN-HOUSE TRAINING

You can bring this or any other maintenance training program directly to your facility. Simply give us a call, tell us what you're looking for, and we'll provide you a quote. We also provide custom training for courses not listed in this brochure.

Call 1-877-97-TRAIN

Email [Sales@AmericanTrainco.com](mailto:Sales@AmericanTrainco.com)

Or visit us on the web at [www.AmericanTrainco.com](http://www.AmericanTrainco.com)

### CONSULTING

American Trainco offers complete consulting services for maintenance, reliability and maintenance management programs including assessments, training, implementation and change management. In addition to the consulting, we offer complete maintenance and manufacturing training programs to predict, assess, train and certify for all of your facility and maintenance needs.

Reserve Your Space Now!

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# REGISTRATION

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**SEMINAR FEE**  
Both Days: \$990

**FIVE EASY WAYS TO REGISTER**

- 1) **Internet** www.AmericanTrainco.com
- 2) **Fax** (303) 531-4565
- 3) **Phone** Toll Free 1-877-978-7246 or (303) 531-4560
- 4) **Mail** American Trainco, Inc. P.O. Box 3397 Englewood, CO 80155
- 5) **E-mail** Information from this form to: sales@AmericanTrainco.com

**Primary Contact / Authorizing Supervisor:** Name \_\_\_\_\_  
 Title \_\_\_\_\_ Company Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Seminar Attendees:	Name	Title	E-Mail	Seminar City

**Billing Information:** (Please fill out this section only if the "Bill To" name and address is different than the Authorizing Person's name and address above.)

Individual's Name \_\_\_\_\_ Title \_\_\_\_\_ Company Name \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

**Other Seminars Coming To Your Area!**

- Basic Electricity for the Non-Electrician™
- Electrical Troubleshooting
- Air Conditioning & Refrigeration
- Boiler Operation, Maintenance & Safety™
- Arc Flash Protection & Electrical Safety™
- 2011 National Electrical Code®

And 20+ other courses in the following areas:

- Electrical / Electrical Controls
- HVACR
- Mechanical
- Facility & Plant Management
- Fluid Power
- Pumps / Piping
- Codes / Standards / Safety

**Call 1-877-97-TRAIN, or visit  
 www.AmericanTrainco.com  
 to get your complete schedule today!**

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Englewood, CO 80155



**PROMOTION CODE**

**X05**

