



TPM

(Total Predictive Maintenance)

Improving Equipment Uptime and Performance

Join our global industry expert & instructor:
Ramesh Gulati, and transform your learning experience.



16 Hours Virtual Learning Experience

12 - 16 August, 2024

08:00 - 12:00 Eastern Standard Time (EST)

www.biiworld.com

COURSE BACKDROP:

Total Productive Maintenance (TPM) is an all-encompassing approach that aims to achieve operational and reliability excellence by engaging employees and giving them the power to identify and eliminate or minimize operational losses and solve problems. The primary goal of TPM is to improve asset-equipment effectiveness by reducing downtime, minimizing defects, and increasing overall asset-equipment efficiency. This is achieved by implementing a set of strategies that involve both asset-equipment operators and maintenance technicians.

TPM takes an integrated approach to maintenance, addressing the technical and human aspects of equipment management. It has several benefits, including increased productivity, reduced downtime, improved quality, increased safety, and enhanced employee morale.

COURSE OVERVIEW:

This 4 Day Online TPM Course focuses on providing employees with the necessary skills and knowledge to perform their job functions effectively and continuously improve their skills and abilities.

The training sessions will cover a range of topics, including the operation and production role, which serves as the first line of defense against failures. It will also explore maintenance best practices, workplace design - 5 S principles, performance metrics such as OEE/TEEP, analysis tools, team and change management, quality control, and safety. The end goal of this program is to improve asset uptime, performance, and quality by encouraging operators to take ownership of their equipment.

By completing this course, your employees will be well-equipped to implement TPM concepts effectively, reducing breakdowns, defects, and accidents. This will boost equipment efficiency and reduce costs for your organization.

LEARNING OBJECTIVES:

- What is TPM and its objectives?
- Identifying losses and developing a strategy to minimize
- Understanding analysis tools...what & when
- Understanding and Calculating OEE and TEEP
- Resolving conflicts – working together as a team
- Starting a successful TPM implementation

Identify - Losses/defects, problems, conflicts/issues

Understand - The basic principles of TPM, performance measures - OEE, etc

Lifecycle - Asset/equipment Lifecycle phases

Operational - Issues, losses, Safety & Reliability

Integration - Operations, maintenance, quality, and others.



TARGET AUDIENCE:

Job Titles :

- Operations/Production Engineer – Manager – Professional - Supervisor
- Maintenance Engineer – Manager – Professional - Supervisor
- Technician - Operator
- Quality Manager / Engineer
- Production Planning
- VP/Director of Manufacturing/Operation/
- Engineering

Industries :

- All types – Manufacturing / production
- Heavy metal / Chemical / Auto / Oil -gas
- Wood
- Consumer products





Instructor:

Ramesh Gulati

... your **EXPERT TRAINER** for this Course.

RAMESH is a globally recognized leader in the field of asset management, reliability and maintenance. He is a change agent author, instructor and known as the Reliability Sherpa.

Ramesh has worked for nearly 60 years in various organizations, including ReliabilityX, Jacobs-ATA/ Sverdrup, Carrier Air Conditioning; True Temper Corporation; Bethlehem Steel; and the HEC-Foundry Forge plant in several areas.

He is the author of several books, including “Maintenance & Reliability Best Practices” which is one of the best sellers in the world and now in its 3rd edition, “10 Rights of Asset Management”, “Uptime Elements DICTIONARY for Reliability Leaders & Asset Managers”, and “MRBP Workbook”, etc. Ramesh has been actively involved in professional societies like SMRP, IISE, ASQ, Reliabilityweb, etc., for over 40 years.

He teaches the Reliability Maintenance best practices course at several universities such as Mississippi State, The University of Tennessee, and Wisconsin. He also participates in the ISO technical committee for Asset Management TC251 as a representative of USA TAG for the development and update of ISO 55000 - Asset Management Standard.



PRESENTATIONS:

Day 1

09:00 Pre-Course Intro – Delegate Expectation Briefing

Session 1: Course Introduction

- Safety Moment (Discussion)
- Safety and reliability relationship
- Importance of asset-equipment
- Asset operations and maintenance roles
- Industry - Issues/concerns
- Knowledge assessment

Break

Day 2

09:00 – Revision of Day 1

Session 3: TPM Process overview

- Safety Moment
- Review of day 1 and Q/A
- Maintenance and TPM
- TPM Goals
- TPM Process – House of TPM

Break

Session 2: Understanding TPM

- Definition quiz (“class handouts”)
- Terms and definitions review
- Operations role
- Maintenance strategies - an overview
- TPM History and principles

Post Day Assignment: Project Coursework

Post-Session Q &A

13:00 – End of Day 1

Session 4: TPM Process - Pillars and foundation

- TPM 8 Pillars and visual management
- TPM Pillars Explained – Autonomous Maintenance
- TPM Pillars Explained – Planned Maintenance
- TPM Pillars Explained – Focused Improvement – Kaizen
- Exercise / Quizzes
- Day 2 Review/wrap-up

Post Day Assignment: Project Coursework

13:00 – End of Day 2



PRESENTATIONS:

Day 3

09:00 - Revision of day 2

Session 5: Workplace Design - Visual Management

- Safety Moment
- Review of Day 2 and Q/A
- TPM Pillars explained - others.
- Workplace design- visual management
- Asset/Equipment Downtime/losses

Break

Day 4

09:00 – Revision of day 3

Session 7: Implementing TPM

- Safety Moment
- Review of Day 3 and Q/A
- Implementing TPM
- Building the environment – cultural change
- Exercises/quizzes

Break

Session 6: Loss Analysis and Performance Measures

- Loss analysis and tools
- Performance measures – OEE & TEEP
- Calculating OEE
- Exercises – OEE and TEEP
- Other metrics overview
- Day 3 review and Q/A

Post Day Assignment: Project Coursework

Post-Session Q &A

13:00 - End of Day 3

Session 8: Lessons Learned and Takeaways

- TPM Certification and Standards
- An Overview of M&R-AM practices
- Exercises/quizzes
- Lessons Learned – Takeaways
- Review of course - wrap up
- Q/A

Post Day Assignment: Project Coursework

Post-Session Q &A (Day 1 – 4)

13:00 - End of Day 4 & Course



Does BII Online Virtual Training have the same value as traditional classroom training?

Yes, BII Online Virtual Training offers participants; same training system as in-person, i.e face-to-face engagement with instructors, course material, interactive participation of all delegates, and personal support that they would expect to find in a traditional classroom.

What are main features of your online courses? Are they on-demand? Is it different content from the in-person offering?

The content of the virtual training is similar to the in-person sessions and customized presentation makes it a richer online learning experience. As always, we will share presentation materials with attendees for later reference.

The online courses are not on-demand and recordings cannot be purchased. They are set on scheduled dates, live with an instructor and co-host via webinar software. While the day is shorter than an in-person session (4hrs vs 8hrs), timing are adjusted to accommodate attendees in different time zones and allow more time for one-on-one conversations via the Q & A.

What are the technical requirements for participation in a virtual course?

All you need to participate in virtual training are:

- Desktop or Laptop or Tablet Computer, and Internet connection
- Webcam
- Headset with built-in microphone

Can I attend an online training session if I have a Macintosh computer?

Yes, Our Online training systems does allow Macintosh computers, PCs, and computers running Linux to easily enter any of our online training sessions.

What type and version of browser will I need for online classes?

It is recommended that you use the latest version of Firefox, Chrome or Internet Explorer for Windows and Firefox or Safari for Mac. Each of these is available for free download and also suggested you have the PDF Reader

How do I have access to the trainer for questions?

As in the classroom, you will see the trainer in front of you and have the opportunity to ask questions at any time - all via audio and video transmission.

Is there a mute option within an online training session to minimize background noise from my audio connection?

Yes, the Mute button will display to the right of your name as you hover your mouse over your name shown in the Participants panel on the top, right side of the Web conferencing screen.

What if I miss few sessions of the online training program?

The training will be simultaneously recorded which will be provided to you as per request & requirement

Do I get a Certificate at the end?

Yes, you will get a PDF version of your certificate of completion



Please complete this form and send it back to:
E-mail to: **mithun.siddartha@biworld.com**

Event Code: OL TE 84

Delegate Details

- Name: Mr/Mrs/ Ms
.....
Job Title:
Email:
- Name: Mr/Mrs/ Ms
.....
Job Title:
Email:
- Name: Mr/Mrs/ Ms
.....
Job Title:
Email:

Payment Details

METHOD: CREDIT CARD OR WIRE TRANSFER

Please debit my
 Visa Eurocard /Mastercard Amex Diners club

Card Billing Address:.....
 Street:City:.....
 Zip/Postal:
 Card Holders Name:
 Email Address:
 Card Holders Signature:
 Card Number

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 Credit Card CVV2/ CVC / CID Number:
 Visa / Mastercard Amex (4-digit code
 (3-digit code on the back) on the front)
 Valid from: / Expiry Date: /

I agree to BII debiting my card

Company/Organisation Detail

Name:
 Person to Contact:.....
 Email:
 Address:

 City:
 Country:
 Contact No:
 Type of Business:
 Website:

Authorization and Acceptance of Sales Contract & Terms & Conditions

I hereby declare I am authorised to sign this contract and terms & conditions in the name of the company/organisation:

Name:.....
 Date:.....
 Signature:.....

Delegate Fee **USD 1199 Per Delegate**

20 USD administration charge and any applicable withholding or any other tax or fee will be applied

TERMS & CONDITIONS:

- Payment terms: BII World LTD requires the full payment of the invoiced amount within 7 working days from the issue date of the invoice. BII World LTD reserves the right to refuse entry to any client who does not pay the invoice in full and on time. The registration fee includes: Training documentation and admission to all training sessions.
- Cancellation by client: The client has the right to cancel his/her participation in the event. Cancellation must be received by BII World LTD in writing either by mail or fax. If the client cancels the event, he/she will get two options:
A. CREDIT NOTE: Choose 2-year credit note, BII World LTD will send all the schedule training event details throughout the year. Delegate has the right to choose and attend any of the training programs (valid 2 years).
B. NOMINATION: In this option delegate can nominate/refer someone from his/her group/company to attend the particular training program on behalf of the actual delegate.
- Cancellation by BII World LTD : While every reasonable effort is made to adhere to the advertised program, circumstances can arise which may cause changes in the program, including but not limited to changes in the content, date(s), or special features of the planned event. Such circumstances include but are not limited to acts of terrorism, war, extreme weather conditions, compliance with government requests, orders and legal requirements, failure of third-party suppliers to timely deliver, and failure to register the minimum target number of attendees for a given event. BII World LTD reserves the right to change the content, date(s), and/ or special features of an event, to merge the event with another event, or to postpone it or cancel it entirely as appropriate under the circumstances. Client agrees that BII World LTD shall not be liable for any cost, damage or expense which may be incurred by client as a consequence of the event being so changed, merged, postponed or cancelled and client agrees to hold BII World LTD harmless and to indemnify BII World LTD in case of liability caused by any such changes, mergers, postponements or cancellations.
- Cancellation of the event: In case BII World LTD cancels an event, then client can choose any of the below mentioned options:
 (a) BII World LTD will refund full payment to the client within 15 business days.
 (b) Client can choose the credit option for 2 years, for more details please read term no-2 part (a)

- Postponement of the event : In case BII World Ltd postpones the event to a new date, then client can choose any of the below mentioned options.
 (a) The client can attend the course on the postponed dates.
 (b) Client can choose the credit option for 2 years, for more details please read term no-2 part (a)
- Client's identification information. By signing of this sales contract and these terms and conditions the client gives full right to BII World LTD to share the client's identification information, i.e. client's name, address, email addresses, phone numbers and names of representatives and website with other clients who participated in the same event. The client has the right to opt out of this clause by written notice to BII World LTD.
- Governing law: This contract shall be governed by and construed in accordance with the laws of the Province of Alberta, Canada. Any disputes arising under or in connection with this registration form shall be settled before the competent court in Canada.
- Indemnification: To the fullest extent permitted by the law, you agree to protect, indemnify, defend and hold harmless BII World LTD, its owners, managers, partners, subsidiaries, affiliates, officers, directors, employees and agents, from and against any and all claims, losses or damages to persons or property, governmental charges or fines, penalties, and costs (including reasonable attorney's fees) (collectively "the Claims"), in any way arising out of or relating to the event that is the subject of this contract, and regardless of negligence, included but not limited to, Claims arising out of the negligence, gross negligence or intentional misconduct of BII World LTD employees, agents, contractors, and attendees; provided, however, that nothing in this indemnification shall require you to indemnify BII World LTD Indemnified parties for that portion of any Claim arising out of the sole negligence, gross negligence or intentional misconduct of the BII World LTD parties.
- Other currencies. In case that client requests payment in other than official currency (USD), BII World LTD reserves the right to apply 5% currency risk surcharge to the actual exchange rate.
- Other Conditions: Any terms or conditions contained in the client's acceptance which contradict or are different from the terms and conditions of this registration document shall not become part of the contract unless individually negotiated with BII World LTD and expressly accepted by BII World LTD.