



# Global OpEx Solutions

BY REQUEST: 3 Days — Leader; 2 Days — Practitioner

Trng. Codes: TPML-V01 or TPMP-V01

Many companies suffer from inadequate capacity, productivity and morale due to equipment related breakdowns, accidents, defects and changeovers. TPM helps change the underlying cause, the culture, from “I operate you fix” to “equipment ownership & engagement” resulting in significant reduction in breakdowns, accidents and defects. In addition, TPM drives rapid model and tool changeovers that improves the equipment utilization, resulting in significant increase in capacity with no capital expenditure. To put it all together, the Overall Equipment Effectiveness (OEE) provides an effective way of identifying opportunities for improvement while providing an overall index on performance.

### Learning Objectives

- ◇ TPM philosophy & Integrated Management System
- ◇ The 12 elements of executing a TPM program
- ◇ Measuring equipment effectiveness using OEE
- ◇ Applying Single Minute Exchange of Dies (SMED) to reduce changeover time
- ◇ The 7 steps of Autonomous Maintenance (AM)
- ◇ Hands-on activity at a manufacturing location
- ◇ One-Point Lessons
- ◇ Provisional cleaning standards
- ◇ Developing an AM/TPM Activity Board to surface problems and ensure sustenance
- ◇ Pitfalls in the culture change through TPM/AM

### Key Topics

- ◇ TPM Philosophy & Integrated Management System
- ◇ Seven Steps of Autonomous Maintenance
- ◇ Overall Equipment Effectiveness (OEE)
- ◇ Set-Up Reduction (SMED)
- ◇ TPM Activity Board

### Who should attend — 2 levels?

#### Leader Level

- Corporate Executives
- Plant Managers & Business Unit Leaders
- Continuous Improvement Leaders

#### Practitioner Level

- Operations, Maintenance and Supporting Staff

### Times — 3 days

Day 1	Both Levels	8:00 a.m. – 5:00 p.m.
Day 2	Both Levels	8:00 a.m. – 5:00 p.m.
Day 3	Leader Level	8:00 a.m. – 4:30 p.m.

*Please contact OpEx Solutions, Inc. for pricing.*

### Instructors



**Warren Gary Johnson, Jr., Principal Consultant - OpEx Solutions**, is a mechanical engineer and a Certified Maintenance and Reliability Professional. His main areas of expertise are maximizing asset utilization, reliability, asset tracking, cost reduction and planning and scheduling. He developed a system for real-time asset utilization monitoring for Alcoa where he worked for 34 years in various capacities.

**Martin Nazareth PMP, MSIE, President - OpEx Solutions**, led strategic deployment of operational excellence at over 100 plants globally across several industries in Lean, TPM, FMEA/PCP and Error Proofing. He held senior level positions at Alcoa, Delphi and EDS, served as a board member of AME’s SW Region and is a director of IIE’s Lean Division and Industry Advisory Board.



**Cancellation Policy:** Enrollment fee less \$100.00 non refundable registration charge will be refunded up to one week before the event. Substitutions may be made any time prior to the start of the workshop. This event may be cancelled by OpEx Solutions for any reason (probability very low), OpEx Solutions will refund the enrollment fee, however, is not responsible for incidental costs incurred by registrants.