

# Don't you think the stable operation of the machine and equipment would be the key point to increase the productivity of a factory?

Is your factory also having the same problems as below?

- Unexpected breakdown and unplanned stops of machine and equipment often happen, hence having bad effect on factory's productivity, delivery and especially customer satisfaction?
- Operators don't play any supporting role in maintenance, but push all the tasks to maintenance team?
- You are not sure how to implement Total Productive Maintenance – Autonomous Maintenance (TPM – AM), and measure effectiveness of TPM – AM activities and calculate Overall Equipment Effectiveness (OEE).

TPM – AM training offered by AIMNEXT VIETNAM shall help your factory build a TPM – AM system and implement autonomous maintenance from operators to decrease unexpected problems, maximize OEE and increase factory's production capacity.

★ Provide you the knowledge and tools to implement TPM – AM effectively ★

## TPM - AM: ENHANCE EQUIPMENT EFFECTIVENESS THROUGH IMPLEMENTATION OF AUTONOMOUS MAINTENANCE

Target: Factory Director, Manager, Supervisor, Leader of Manufacturing, Engineering or Maintenance Department

Training venue: **At client's company as required (2 days)**

### Objective

- Understand methods which can support managers to improve knowledge and skills for operators, enhancing the active involvement of operators in maintaining basic conditions and detecting signs of equipment failure, hence eliminating defects from the source.
- Improve machine uptime, reduce waste/loss due to breakdown/damage, increase overall equipment effectiveness (OEE), thereby increase factory's productivity.

### Content

#### **Part 1: Overview of Total Productive Maintenance (TPM)**

- What is TPM?
- Goals of TPM
- Eight Pillars of TPM

#### **Part 2: Introduction to Total Productive Maintenance – Autonomous Maintenance (TPM – AM)**

- What is TPM – AM?
- 7 Steps of TPM – AM
- Goals of TPM – AM
- 4 equipment-related skills for operators

#### **Part 3: 3 key tools for TPM – AM Activities**

- Activity Board: Structure of an Activity Board
- Meeting : Guidelines for an effective team meeting
- One-Point Lesson: Guidelines for developing One-Point Lesson

#### **Part 4: 7 Steps of TPM – AM implementation**

- Step 1: Clean and Inspect
- Step 2: Eliminate Problem Sources and Inaccessible Areas
- Step 3: Draw up Cleaning and Lubricating Standards
- Step 4: Conduct General Inspection
- Step 5: Perform Autonomous Inspection
- Step 6: Standardize through Visual Management
- Step 7: Implement Autonomous Equipment Management

#### **Part 5: Measuring & Auditing TPM – AM Activities**

- TPM Metrics: What to Measure?
- 3 important reasons for Audit
- Key points of AM Implementation
- Roles of managers in measuring & auditing TPM – AM activities
- TPM-AM Metrics - MTBF, MTTR , MTTF

#### **Part 6: Overall Equipment Effectiveness - OEE**

- What is OEE?
- Why is OEE critically important?
- 6 Big Losses in Equipment Efficiency
- How to Calculate OEE

#### **Part 7: Action Plan**

※ The above content is subject to change without prior notices.

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