Course : Deploying the TPM pillar: Planned Maintenance

Methods and tools
Practical course - 3d - 21h00 - Ref. MTG

Zero downtime" is the goal of every maintenance department. The practical workshops in this training course will guide you in eliminating the five root causes of equipment breakdowns, while building on the eight pillars of maintenance needed to continuously improve your service.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Knowing and evaluating each pillar of the maintenance process
- ✓ Draw up an equipment criticality matrix
- ✓ Identify root causes of breakdowns
- ✓ Define key indicators
- ✓ Design an improvement action plan
- ✓ Using visual management applied to maintenance

Intended audience
Maintenance managers and technicians in the industrial sector.

Prerequisites
No special knowledge required.

Practical details

Hands-on work
Workshops to share experiences, acquire new practices and associated tools, and define an operational action plan.

Teaching methods
Active, participative teaching methods. Alternating theory and practice with application to the context and experience of participants.

Course schedule

PARTICIPANTS
Maintenance managers and technicians in the industrial sector.

PREREQUISITES
No special knowledge required.

TRAINER QUALIFICATIONS
The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS
The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES
• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

(1) The maintenance pillars of TPM

- Reminder of the different maintenance methods.
- Discover the eight pillars of maintenance.
- Identify and formalize information flow processes in maintenance.

Role-playing
Define the foundations of a high-performance maintenance department. Choose and write a maintenance process.

(2) Classify equipment and manage spare parts and consumables

- Define the criteria for an equipment criticality matrix.
- Use the criticality matrix to prioritize maintenance actions.
- Formalize the reasons for stocking a part.
- Tidy up using the 5S method.

Hands-on work
Create a criticality matrix from a machine list. Classification of critical parts. Best practices for storing parts, oils and greases.

(3) Identify the root cause of a fault

- Recognize the five types of failure.
- Use problem-solving tools.

Hands-on work
Recherche de la cause racine à partir d'études de cas de différentes pannes.

(4) Organize breakdown analysis and processing

- Record data during troubleshooting.
- Keep worn or broken parts.
- Monitor actions.

Hands-on work
Rédiger un mode opératoire pour organiser les analyses en fonction de la taille de son service de maintenance. Débriefing en commun sur les organisations.

(5) Manage machine files

- Identify and store regulatory documents.
- Tidy up manufacturers' documentation using the 5S method.

Hands-on work
Follow-up mandatory visits with visual management.

(6) Improving maintenance skills

- Build and use the department's skills grid.
- Draw up an evaluation grid for subcontractors.

Hands-on work
Build a skills grid.

(7) **Set up relevant indicators.**

- List the different types of indicators.
- Work on the right levers to improve MTBF and MTTR.
- Define a Smart goal.

Hands-on work
Définir ses indicateurs de tableau de bord pour piloter son activité.
Débriefing des objectifs en commun.

(8) **Start your action plan**

- Reminder of the PDCA continuous improvement method.
- Presentation of several action plan templates.

Role-playing
Draw up an improvement action plan for each, or part, of the maintenance pillars.