

# PREDICTIVE MAINTENANCE SEMINAR – PDM (21 HOURS)

 MARCH 28 TO 30  
SEPTEMBER 27 TO 29

## SCHEDULE

Monday to thursday: 9:00 to 14:00 - 15:00 to 18:00

## PRICE

Course: **980€** + VAT (Includes documentation, lunch and coffee on breaks)

## PLACE

TSI's headquartes in Madrid

**Course Director: Mr. Publio Beltrán Palomo**  
**Trainers: Engineers specialized in noise and vibrations**

### Maximum number of attendees: 15

For more than two attendees per company, a 15% discount will be applied.  
Priority booking for TSI clients.

## KEYS TO SUCCESS

- **Soundness and Experience:** Course derived from the MPA course and which has been given since 1983 with the participation of 1,500 companies from the national and foreign fabric.
- **Training Scheme:** "Aseptic Training" - independent of commercial brands - aimed at the Qualification of Personnel with an open and practical approach. "The identification and resolution of faults does not depend on one or another type of equipment, but on the adequate qualification of the personnel.
- **Training Staff:** Made up of specialised TSI personnel with more than thirty-five years of experience and backed by more than 2,000 studies of Fault Diagnosis and Resolution.
- **Continuous Training:** Participation in this Course leaves you with a "permanent open window" to a "List of TSI Specialists" who will attend and support your queries on equipment handling, diagnosis and troubleshooting.

*"Take the opportunity to learn with your real cases and have a preliminary diagnosis at the end of the course"*

## COURSE CONTENT

1. INTRODUCTION.
2. PREDICTIVE FAILURE MAINTENANCE (PFM).
3. BASIC CONCEPTS OF VIBRATION.
4. MEASUREMENT IN MPA.
5. MPA ANALYSIS.
6. MPA DIAGNOSIS.
7. STANDARDS ON VIBRATIONS IN MACHINERY. THEIR CORRECT APPLICATION.
8. IMPLEMENTATION OF AN MPA SYSTEM.
9. INTRODUCTION TO CONTINUOUS MACHINE PROTECTION/MONITORING.
10. REAL CASE STUDIES (\*).
11. CONCLUSIONS AND EVALUATION OF THE COURSE.

### PRACTICAL DEVELOPMENT

As a complement to the theoretical presentation, participants take part in working groups in the resolution of Real Practical Cases (\*). A certificate of attendance will be awarded.

(\*). Note: The resolution of the practical cases provided by the attendees requires the supply of measurements (spectra) and tests carried out. TSI undertakes to attend each and every one of the documented cases that are presented.

CUSTOMER SATISFACTION  
INDEX  
**8,73** /10

## CONTACT US

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## ADDITIONAL INFORMATION



Possibility of taking the course online or face-to-face

### WHO IS IT INTENDED FOR?

Maintenance Technicians, Plant Managers, Engineering Departments, Projects, Management, Department Managers, Quality Control.

**It is not essential to have previous knowledge of this methodology and its tools.**

### FORMALISATION OF ENROLMENT

Reservations can be made by telephone or e-mail. Subject to advance payment of the fee by cheque or bank transfer.

### CANCELLATION POLICY

Cancellation up to 20 working days before the start of the course will be refunded minus a 15% administration fee, plus the cost of the exam. The reservation can be occupied by another person at no additional cost.

**For ADAPTED COURSES, please contact TSI**