

NOISE AND VIBRATION ON BOARD VESSELS SEMINAR (21 HOURS)

1st call: March 6 to 8
2nd call: October 2 to 4

SCHEDULE

Mornings: 9:00h to 14:00h | Afternoons: 15:00h to 18:00h
Fridays: 9:00h to 14:00h

PRICE

Course: **1.100€** + VAT (Includes documentation, lunch and coffee on breaks)

PLACE

TSI's headquarter 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. THE CULTURAL CHANGE: THE IMPORTANCE OF VIBRATION AND NOISE IN TODAY'S DESIGNS: INTEGRITY, COMFORT, MAINTENANCE AND OPERATION. THE CONTRACTUAL FRAMEWORK: THE CONTRACTUAL SPECIFICATION. ITS CORRECT DEFINITION.
3. STANDARDS, DIRECTIVES AND REGULATIONS. ISO (1984-200) AND IMO. (NEW IMO).
4. REVIEW OF BASIC CONCEPTS OF VIBRATION AND NOISE ON SHIPS.
5. VIBRATIONS IN THE SHIP'S HULL: GLOBAL AND LOCAL.
6. VIBRATION AND NOISE SOURCES ON SHIPS: THEIR CONTROL.
7. WHAT TO DO AND WHEN? TO REDUCE VIBRATION AND MEET SHIPOWNER'S SPECIFICATIONS.
8. BRIEF REVIEW OF CBM - CONDITION BASED MAINTENANCE - A TOOL FOR OPERATING COST REDUCTION.
9. IDENTIFICATION OF VIBRATION AND NOISE PROBLEMS.
10. NOISE ON SHIPS. NOISE CONTROL IN THE EARLY STAGES OF THE PROJECT.
11. CASE STUDIES.
12. EVALUATION AND FINAL CONCLUSIONS.

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

8,82 /10

CONTACT US

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ADDITIONAL INFORMATION



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

¿A QUIÉN VA DIRIGIDO?

Shipyard Technical Staff: Commercial (Definition and Control of Specifications), Procurement (Control and Awareness of suppliers), Technical Office and Projects. Shipowner's Technical Staff: Inspectors, Maintenance and Operation Departments.

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