TRAINING SERVICES



LASER SHAFT ALIGNMENT

Operational objective:

• After the course the students will have the ability to align two axes of rotating machinery coupled in accordance with specified tolerances, by means of a laser alignment system.

GENERAL CONTENT OF THE PROGRAMME

- ALIGNMENT
- TYPES of MISALIGNMENT: Parallel, Angular and Combined
- CONSEQUENCES OF MISALIGNMENT:

Accelerated wear of bearings and vibration, wear accelerated in coupling and possible damage to shafts

- TYPES OF COUPLINGS
 - Rigid couplings
 - Flexible for sliding couplings
 - Flexible elements soft couplings
 - Combined flexible couplings
 - Cardan couplings
- ALIGNMENT METHODS
- ALIGNMENT WITH COMPARATORS
- LASER ALIGNMENT:
- Horizontal axis
- Vertical shafts
- Cardan couplings
- Train of machines

TOLERANCES, ERRORS AND CORRECTIONS

Methodology:

- Lecture in formal classes
- Applied exercises
- Interaction with the participants

Logistics:

Duration: 12 academic hours and 12 hours of practice.

Materials: Manual printed in color.

Price: Subject to specific quotation