

ROTOR DYNAMIC BALANCING

Operational objective:

- *The overall objective of the course is to be able to successfully balance common machinery in field, including appropriate diagnoses of unbalance, assessment requirements and methods of balancing, balancing procedures and data acquisition, as well as special considerations for machines in cantilever and the influence of other machinery vibration.*

General Content:

- *Unbalance*
- *Types of imbalance*
- *Common problems during the unbalance*
- *Recommendations to field balancing*
- *When balance in one, and when balancing in two planes?*
- *Rigid and flexible rotors*
- *Necessary data for balancing and Instrumentation*
- *Phase measurement*
- *Balancing one plane*
- *Balancing in two planes*
- *Rotors in cantilever*
- *How to calculate the imbalance?*
- *Diagram of responses*
- *Common terms of balancing*

Logistics:

Duration: 12 academic hours and 12 hours of practice.

Materials: Manual printed in color.

Thumb drive with didactic software and Information regarding the course.

Price: *Subject to specific quotation.*