

## working with AdMeS

- Fast and reliable results
- Long experience in energy & maritime industry
- State of the art technology devices
- Experienced trained personnel
- Maintenance cost reduction
- Synergies with academic and research institutes



## our company

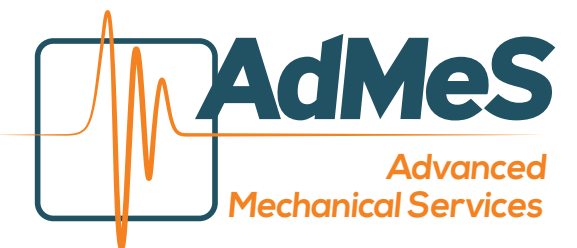
**AdMeS** is located at Chania, Crete and operates in the field of maritime, energy and manufacturing industry providing preventive maintenance services worldwide.

## purpose

The aim of our company is the provision of customized solutions based on our client's requirements. We provide reliable and scientifically applied solutions for maritime and energy sectors.

## our philosophy

**AdMeS** philosophy is user centric with conformed to user demands, requirements and peculiarities. Our vision is to offer solutions in order to cover user requirements by providing reliable and state of the art solutions.



*Maintenance is a strategic key  
and should be conformed  
with state of the art technologies.*

### AdMeS IKE

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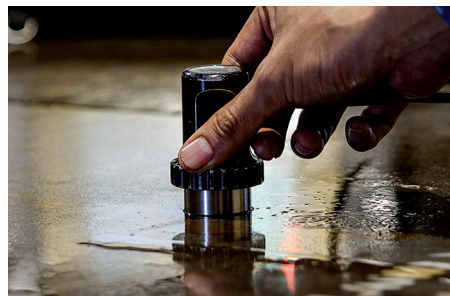
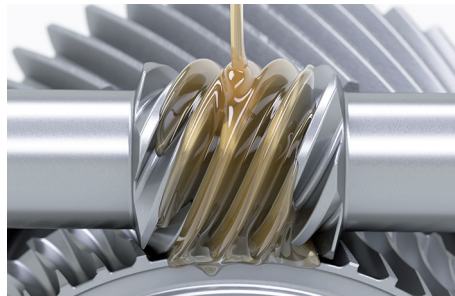
[www.admes.gr](http://www.admes.gr)

PROVIDING  
SPECIALIZED MECHANICAL SERVICES  
ON MARITIME  
AND ENERGY INDUSTRY



## services

- Preventive maintenance (Condition based maintenance – CBM)
- Non Destructive testing
- In-situ Balancing
- Alignment
- Engineering studies
- Resonance studies
- Environmental studies
- Training – Services



*Our analysis and studies are performed with innovative software tools.*

## condition based maintenance CBM

The technologies we use on CBM:

- Vibration Analysis
- Infrared Thermography
- Ultrasonic Analysis
- Oil Analysis
- Simulation of Deflection

*Specialized digital signal processing for vibration analysis of complicated problems*

### FIELD OPERATION

Preventive maintenance can be applied to all rotating equipment from standalone to drivetrain machines.

- Electric motors AC/DC
- Generators
- Engines
- Gearboxes
- Gas turbines
- Wind turbines
- Propulsion shafts
- Steam turbines
- Turbochargers

### ADVANTAGES

- No requirement for machines to be shutdown
- Health machine database
- Non Destructive testing
- Maintain optimized availability of the equipment
- Risk management of unexpected shutdowns
- Increased production & reliability
- Reduction of secondary failures
- Reduction of maintenance costs
- Reduction of repair costs
- Reduction of repair parts stock
- Machine life extension
- Increase the reliability of the plant
- Safety and security of the personnel
- Predict future failures

## non destructive testing NDT

Our NDT services, for both shop and field applications, include:

- Visual Inspection (VT)
- Liquid Penetrant Testing (PT)
- Magnetic Particle Testing (MT)
- Ultrasonic Testing (UT)
- Eddy Current Testing (ECT)
- Radiographic Testing (RT)

Furthermore, our engineering personnel and certified inspectors can undertake tasks and responsibilities such as:

- Reviewing of specifications, drawings and manufacturing instructions.
- Translating NDT codes, standards, specifications and procedures into practical testing instructions adapted to the actual working conditions.
- Preparing NDT instructions.
- Reviewing of the approved quality assurance / quality control program.
- Verifying welding procedures and personnel qualifications.
- Interpreting and evaluating of test results according to applicable codes, standards and specifications.
- Organizing and reporting results of non destructive tests.



## balancing

AdMeS in-situ balancing services ensures:

- No requirement of disassembly in machines
- Fast and accurate detection of unbalanced parts
- Reduction of shutdown time
- Minimization of faults during machine assembly
- Time and cost saving for the transferring and balancing of the machines

*AdMeS applies in-situ balancing by using balancing disks - a worldwide patent, by AdMeS - so as to reduce cost, time and unnecessary transferring equipment.*

## alignment

AdMeS alignment services:

- To all new connected equipment
- After overall repair equipment in machinery
- After vibration indications to machineries
- In every propulsion shaft

Offering the following advantages:

- Availability & productivity of machines
- Increasing life cycle of bearings
- Optimum use of bearings
- Minimize risk of severe damage on drivetrain
- Saving stocks
- Detail reporting of repair

*AdMeS uses state of the art alignment devices for all your rotating machinery.*

