



YOUR PARTNER **IN QUALITY**



INDEX

Company profile	. 3
Asset integrity	. 4
Fitness for Service Assessment	. 6
Advanced and conventional NDT services	. 8
Offshore/Onshore Inspection and Engineering Services	. 10
Engineering Consulting Services	. 12
Petrochemical Analysis	. 14
Material Analysis	. 16
Steel Structures	. 18
Product Certification	. 20
Welding School (AWS Education Center)	. 22
Calibration Services	. 24
Carriage of Dangerous Goods & Services	. 26
Training Center	. 28
Our Personnel	. 30

Through our expertise we are improving the quality of our clients.

Your Partner in Quality

DEAR PROSPECTIVE PARTNER

Through our expertise we are improving the quality of our clients.



I would first like to thank you for taking the time to meet with us and discuss potential cooperation. I believe our company can assist you in addressing your needs in the best possible and professional way.

One of our key assets is our unparalleled expertise we have developed over the years. Since 1992 our company is delivering market leading services - complying with the strictest standards both for onshore and offshore businesses- to international companies and contractors in Cyprus, the Middle-East and Africa.

We will partner with you to offer independent services that will help you reduce risk, safeguard the integrity of your assets and streamline your processes and operations.

By working together as a team we can ensure your project requirements and expectations are met. We will be more than happy to discuss with you potential cooperation in the field you find interest in.

I would also like to take this opportunity to invite you, the next time you are in Cyprus, to visit our headquarters and state-of-the-art-laboratory in Vasiliko area, located next to the Cyprus Energy Centre. Please find enclosed a detailed presentation of our company and the services we offer, which I believe you will find of interest.

- Asset Integrity
- Fitness for Service Assessment
- Advanced and conventional NDT services

- Offshore/Onshore Inspection and Engineering Services
- Engineering Consulting Services
- Petrochemical Analysis
- Material Analysis
- Steel Structures
- Product Certification
- Welding School (AWS Education Center)
- Calibration Services
- Carriage of Dangerous Goods & Services
- Training Center
- Our Personnel

Sincerely,

Harris Kallis
Managing Director

COMPANY PROFILE

The company's key asset is its unparalleled expertise...

Nortest, established in 1992, is an engineering organization that has over the years built world recognized expertise.

The company offers a wide range of services including inspection, testing and certification, training and engineering consulting helping its clients overcome their challenges.

Nortest is a Notified Body (CE 2338) and an accredited testing and calibration laboratory as per ISO 17025 (ESYD No. 645) offering high quality services. The company's key asset is its unparalleled expertise, developed and enhanced over the years in industries such as power generation and energy, oil and gas, civil engineering and marine.

We are committed to excellence and we constantly invest in knowledge, research and new technologies aiming to offer the best to our clients. Our high caliber engineers are enlisted as professional engineers and receive continuous training on new European and International standards.

The company is based in Cyprus and operates from its main headquarters in Nicosia where it coordinates its operations through its offices in Manchester-UK, Mumbai-India, Accra-Ghana. Further more, it operates a new state-of-the-art laboratory (covering 800m²) and an initial and periodic inspection product center at the Vasilikos area located next to the Cyprus Energy Center.

In addition, it collaborates together with universities developing new inspection products and techniques, bringing the best practices to its clients.

Nortest Key Assets:

- High caliber Professional Engineers with proven record of experience
- A long and successful history of operations
- Proven track record in assisting corporations in reducing risk from their operations
- Experience in supporting corporations through training

Nortest Accreditations

- Notified body CE 2338
- ISO 17025 Testing and Calibration Laboratory
- ISO 17020 Inspection Body
- Approved ADR centre for initial and periodic inspection
- Approved Pressure Vessel/Pipe Inspection center

ASSET INTEGRITY

The company helps its clients overcome their challenges

Managing physical assets, such as oil storage tanks, pressure vessels, pipelines, offshore platforms, boilers, and selecting the appropriate inspection and re-certification periods is critical for ensuring high safety standards and good operational condition.

Nortest employs highly skilled and certified Engineers who can assist you in the following ways:

1. Design Review
2. Verification of raw material
3. Hydrostatic Testing (preparation & assessment)
4. NDT inspection services
5. Functionality Tests

6. Quality Assurance Services
7. Third Party Inspection
8. Risk Based Inspection
9. Tank Integrity Assessments
10. Hydrostatic Performance and Assessment

Your benefits would be:

- Compliance with international standards or European directives
- Minimization of financial liabilities
- Identification and reduction of risk
- Quality assurance







FITNESS FOR **SERVICE ASSESSMENT**

Polonging the life of your asset

The assessment of whether a structural component is fit for service is a multidisciplinary approach that utilizes a number of engineering disciplines.

Structural components that have undergone degradation over the years or have been imposed to unforeseen circumstances (e.g. fire, earthquakes) can be modeled and analyzed ensuring integrity.

Nortest engineers are certified to assess assets and components such as:

1. Pressure Vessels
2. Storage Tanks
3. Steel Structures
4. Pipelines

Your benefits would be:

- Ensuring the safety and integrity of your asset
- Avoiding costly replacements



ADVANCED AND CONVENTIONAL NDT SERVICES

The quality control of components

Non destructive testing (NDT) is an interdisciplinary field which deals with the quality control of components, products and structures.

NDT plays a critical role in assuring that structural components and systems perform their function in a reliable and cost effective manner.

Nortest certified and highly experienced inspectors can provide you the following services:

Conventional Methods

- Welding Inspection
- Dimensional Inspection
- Ultrasonic Thickness Scanning
- Ultrasonic Flaw Detection
- Magnetic Particle Inspection
- Liquid Penetrant Inspection

- Fluorescent Inspection
- Radiographic Inspection
- Eddy Current

Advanced Methods

- AUT-Automatic Ultrasonic Testing
- TOFD Inspection
- EMI-Electromagnetic Inspection
- Phased Array
- Magnetic Flux Leakage (MFL Scanning and Corrosion mapping)

Paint Inspection

- Holiday Inspection
- Adhesion Test
- Paint Thickness Measurements
- Surface Roughness Verification

Other Services

- Positive Material Verification (PMI)
- Load Testing
- Torque Verification
- Thermographic Evaluation
- Concrete Scanning/GPR Technology

Your benefits would be:

- Ensuring the integrity of your assets through inspection
- One stop shop for your inspection needs
- Reliable results as safeguarded by our ISO 17025 accreditation



OFFSHORE/ONSHORE INSPECTION AND ENGINEERING SERVICES

Ensuring the integrity of your Assets



Keeping existing offshore/onshore facilities in accordance to standard and regulatory requirements is crucial for the overall safety and integrity of the platform and connecting facilities.

Nortest engineers and inspectors can offer you the following services:

Inspection Services

- DS-1/API Inspection
- Visual Tube Inspection
- OD Gauge Tube Inspection
- Rig Equipment

- Ultrasonic Wall Thickness Inspection
- Electromagnetic Inspection
- MPI Slip//Upset Inspection
- Ultrasonic Slip/Upset Area Inspection
- Black Light Connection Inspection

Engineering Services

- Engineering Critical Assessment
- Hydrostatic Testing
- Field Joint Coating
- Torque Verification

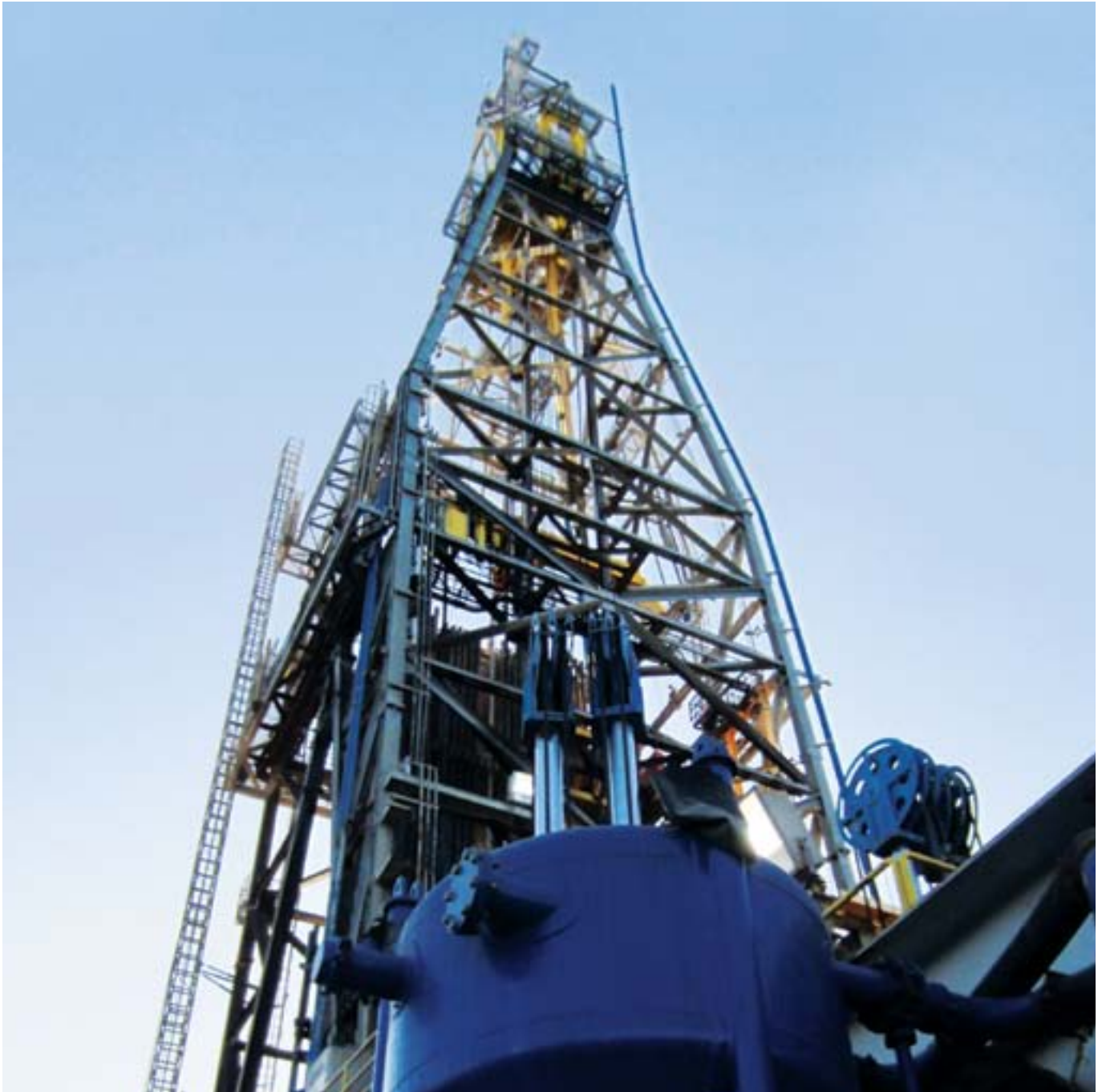
NDT services

- AUT-Automatic Ultrasonic Testing
- TOFD Inspection
- EMI-Electromagnetic Inspection
- Radiographic Inspection

QA/QC services on construction/fabrication and repairs

Your benefits would be:

- High Quality Services
- Ensuring compliance with international codes



ENGINEERING AND CONSULTING SERVICES

Increasing the efficiency of your system

Through investigation of assigned problems or projects we can ensure your company addresses the potential risks it may face in the fields of quality and productivity.

Furthermore with the use of optimization modeling our team of consultants can address bottlenecks in the process and assist you in increasing the efficiency of your system.

Nortest can provide you with:

1. Certification according to ISO3834
2. Welding Engineering Services
3. ECA, Failure Analysis & Metallurgical Investigation
4. Consulting on major tank repairs
5. Third party verification
6. Management consulting
7. Optimization modeling
8. Laboratory Services ISO 17025
9. Hydrostatic Preparation/Performance and Assessment
10. QA/QC during fabrication/construction and repairs
11. Preparation of PQR & WPS

Your benefits would be:

- Ensuring specifications safeguard the quality and safety of the project
- Reduce costs and financial liabilities
- Improving the quality and efficiency of your company's operations
- Fostering your performance



PETROCHEMICAL ANALYSIS

Verification through analysis



Our objective is to serve your needs by verifying the quality of your product fast and reliably.

Whether you choose to adhere to ASTM or EN standards our independent laboratory will partner with you and assist you in the best possible way.

Nortest offers, inter alia, a range of testing services:

- Density
- Viscosity
- Carbon residue
- Sulphur content
- Copper Strip Corrosion
- Smoke Point
- Freezing Point
- Cloud Point
- Electrical Conductivity
- Gum Content
- Doctor test
- Ash

- Distillation
- Flash Point
- Acid Number
- Thermal Stability
- Oxidation Stability

Your benefits would be

- High quality services
- Ensuring compliance with international standards
- Fast and reliable results



MATERIAL ANALYSIS

Critical for the safety and quality of your asset



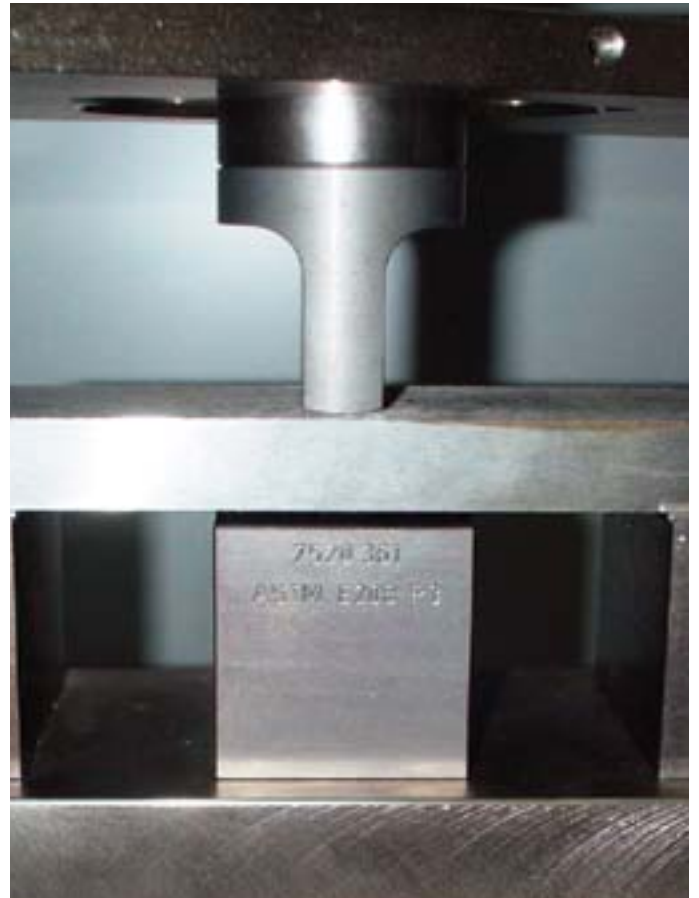
The testing and verification of raw materials - used in construction/ fabrication or manufacturing - in compliance with design specifications is critical for the safety and quality of your product.

Nortest can support you in the following ways:

1. Verification of the mechanical properties of materials through:
 - Tensile Testing
 - Bend Testing
 - Fracture Testing
 - Impact Testing
2. Verification of the chemical properties
3. Macroscopic Examination
4. Chemical Treatment
5. Soil and Concrete Testing

Your benefits would be:

- Strengthening and protecting your brand image and reputation
- Improving product quality and reducing rejects
- Minimizing risk by ensuring quality



STEEL STRUCTURES

Building the future



With the enforcement of Eurocode3 (Design of Steel Structures) the European Union is setting the benchmark upon which all steel structures will be evaluated.

The role of Quality Assurance and Third Party inspection has been upgraded and each structure has to have documented quality records ensuring the safety and proper fabrication of the steel structure.

Nortest can provide you with the following services:

1. Quality Assurance/Control as per Eurocode3 requirements
2. Inspection as per Eurocode3 requirements
3. Non Destructive Testing
4. Material verification
5. Design verification

Your benefits would be:

- Ensuring the integrity of your structure
- Verifying compliance with contract technical requirements
- Avoiding costly repairs



PRODUCT CERTIFICATION

The issuance of the CE mark is a mandatory conformity mark



The certification of products and the issuance of the CE mark is a mandatory conformity mark for products placed in the European Union.

With the CE marking on a product the manufacturer ensures its conformity with the essential requirements of the applicable EC directives.

Nortest can assist you with the certification and the performance of the required tests for:

1. Lifts
2. Lifting equipment
3. Pressure vessels
4. Steel Structures
5. Pipelines

Your benefits would be:

- Strengthening and protecting your brand image and reputation
- Improving your sales
- Achieving high quality products





WELDING SCHOOL (AWS EDUCATIONAL CENTER)

Value through education

Nowadays, the need to employ qualified welders has become a necessity in the fabrication business.

Following the appropriate welding procedure and employing qualified welders offers the most efficient and cost effective way for a fabrication company to achieve high quality welds.

Nortest welding engineers offer:

- Training courses according to EN 287 and ASME IX
- Advanced training for out of position welding
- Certification of Welders
- Developing the appropriate Welding Procedure for complex materials

Your benefits would be:

- Reduction of fabrication costs
- Reduction of re-inspection expenses
- High quality workmanship
- Avoiding costly repairs





CALIBRATION SERVICES

A vital role in ensuring the quality of your services

Retaining the precision and accuracy of your instruments plays a vital role in ensuring the quality of your services.

Therefore the precision and accuracy of your equipment is measured in a specially designed and controlled environment.

Nortest offers the following calibration services:

- | | |
|----------------|---------------|
| 1. Force | 4. Electrical |
| 2. Pressure | 5. Torque |
| 3. Temperature | 6. Volume |

Your benefits would be:

- Accurate and precise measurements
- High quality services
- Complying with international standards





CARRIAGE OF DANGEROUS GOODS & SERVICES

Guard against unforeseen accidents

The carriage of Dangerous goods falls under the international treaty of ADR which regulates how gases, chemicals, fuels and a variety of other dangerous substances are transported.

The inspection of the integrity of the vehicles and tanks used is of primary importance to guard against unforeseen accidents.

For this reason Nortest offers you the following services:

1. Initial and periodic inspection of tanks and cylinders
2. ADR consulting and training services for the transportation of dangerous goods

3. Condition verification of existing tanks
4. Approval and inspection of repairs and modifications
5. Certification of ADR transportable containers
6. Professional guidance by an approved ADR Safety Advisor
7. Professional guidance by an approved ADR Tank Expert

Your Benefits would be:

- Complying with ADR regulation
- Identifying areas of high risk and minimizing them
- Minimizing financial liabilities
- Ensuring the reliability of transporter



TRAINING CENTER

Ensure that quality and safety requirements are met



Today's major engineering and construction projects are increasingly more complex and demanding, involving numerous parties working together, often from different locations around the world.

This is why, particularly during these challenging economic times, by training professionals you can streamline your operations in an effective and cost efficient way. Through our expertise we can train professionals in taking the right decisions based on international and European standards.

The knowledge acquired over the years with the application

of european and international standards helped us develop a databank of knowledge which we use during our training courses.

Nortest provides the following training modules:

1. Quality Assurance and Control
2. Oil storage tanks
3. Pressure vessels
4. ADR
5. Product Certification
6. Welding
7. Welding Engineering
8. Welding Inspection

Your benefits would be:

- Gaining valuable expertise
- Reducing risk through knowledge
- Improving your profile





OUR PERSONNEL

Reflects fully the range of professional services

Nortest employs high caliber engineers with world recognized certificates meeting fully the requirements of ASME and European standards.

Their extensive experience reflects fully the range of professional services Nortest offers to its clients.

Our Engineers are certified and specialize, amongst other areas, in the following fields:

1. Oil Storage tanks
2. Pressure Vessels
3. Complex Steel Structures
4. Onshore & Offshore pipelines
5. Product certification
6. Fitness for Service Assessment
7. ADR consulting
8. ADR Tank experts
9. Rig Inspection
10. NDT Level 3 services
11. Conventional and Specialized NDT services
12. API 510/570/579/653, EEMUA certified personnel



NORTEST

HAS BEEN TRUSTED BY

ne noble
energy



AE&E 



ExxonMobil



Balfour Beatty



Technip

