

NON-DESTRUCTIVE TESTING



Move Forward with Confidence





Move Forward with Confidence

Bureau Veritas is one of the largest Testing, Inspection and Certification service providers in the world. First established in 1828, Bureau Veritas now spans the globe with a network of over 52,000 employees, in 140 countries with over 940 offices and 340 laboratories. Bureau Veritas provides services to the Aerospace, Chemical, Heavy Industry, Construction, Mining & Commodities, Marine, Oil & Gas, Power Generation, Transport and many other industries.

INTEGRATED NON-DESTRUCTIVE TESTING FOR QUALITY AND RELIABILITY

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YOUR SOLUTION IN OUR NDT CAPABILITIES

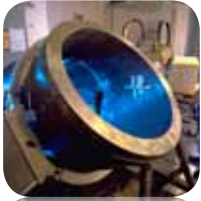


BUREAU VERITAS CAN DEPLOY
LEADING ENGINEERING
AND NDT CAPABILITIES
TO SOLVE YOUR PROBLEMS
AND MEET YOUR INSPECTION
NEEDS - FROM ROUTINE NDT
TO MAJOR ASSET INTEGRITY
CAMPAIGNS AND COMPLEX
INSPECTION CHALLENGES.

Our NDT techniques and technologies
are **certified to international standards**.

With our state-of-the-art equipment and
qualified professionals, you will be provided
with confidence and assurance.

- » **Expert inspection** of welds, castings, forgings, components, plates, rolled product, piping and more
- » **Tube Inspections** using Eddy Current, IRIS, Acoustic Pulse Relectometry and Remote Field Eddy Current
- » **Holiday Testing**
Coating inspection covering all aspects of surface finishing
- » **Corrosion Under Insulation**
Detection using Lixi Profiler
- » **Expert Pipeline Inspection**
Weld inspection of pipeline construction using X-Ray and Automated Ultrasonic Testing (AUT)
- » **Rope Access**
Working-at-height solutions for NDT inspection, asset integrity services and basic maintenance. A safer, faster and more efficient alternative to EWP's, scaffolding or cranes.



TRADITIONAL NDT TECHNIQUES

- » Radiography
- » Ultrasonics
- » Visual Inspection
- » Magnetic Particle
- » Penetrant Testing
- » Eddy Current Testing
- » Coating Inspection Covering All Aspects Of Surface Finishing

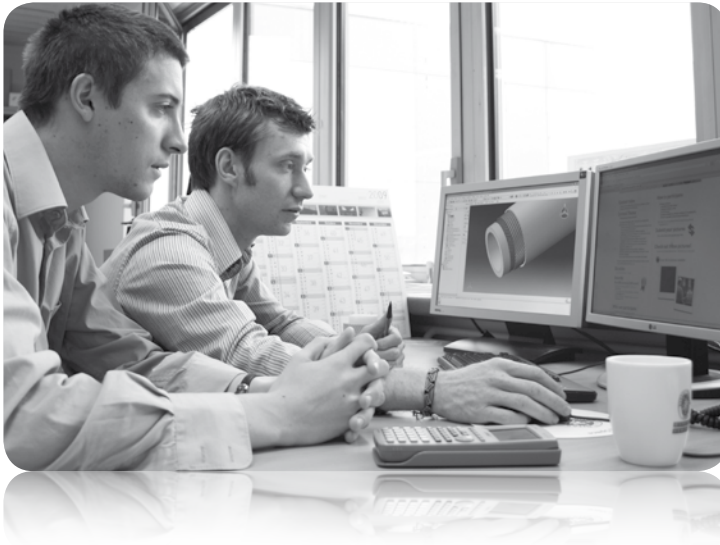
ADVANCED NDT TECHNIQUES

- » Phased Array Ultrasonics
- » Time of Flight Diffraction (ToFD)
- » Automated and Remote Ultrasonic Testing
- » Magnetic Flux Leakage
- » IRIS Testing
- » Computerized Radiography
- » Alternative Current Field Measurement (ACFM)
- » Guided Wave Ultrasonics
- » Acoustic Pulse Reflectometry
- » ShafTest®
- » RapidGear Scan



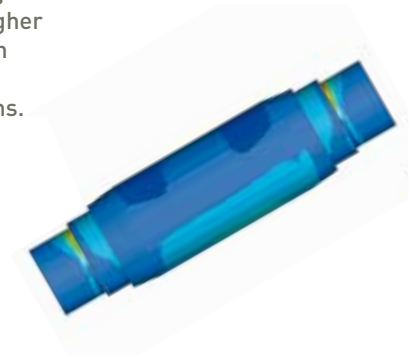
SHAFTEST® 

BUREAU VERITAS AT THE FOREFRONT



RESEARCH & DEVELOPMENT

- ▶ Bureau Veritas invests in Research & Development for the overall benefit of clients and the NDT industry.
- ▶ Our innovative products and techniques enable faster inspections with a higher probability of detection. This means reduced downtime, lower costs and higher confidence for even the most difficult inspection problems.





INNOVATIVE DATA MANAGEMENT & DATA PROCESSING

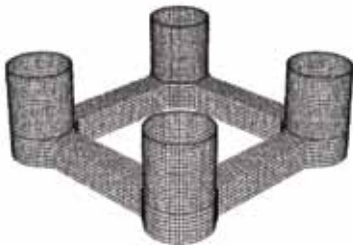
- ▶ Bureau Veritas' web based management system ARMour® can analyze a wide range of data including NDT, asset reliability, inspection and audit data. It can intake data from anywhere in the world, enabling asset information to be instantly available for decision making.
- ▶ Eliminate data silos and achieve peace of mind knowing that all your inspection data is centralized, searchable and available on-line 24 x 7 x 365.
- ▶ Integrate your NDT inspection results with your CMMS system and other corporate information systems to streamline the flow of information and to protect your corporate memory banks.
- ▶ Easily compare and correlate results from various NDT and condition monitoring techniques. View data from Thermography, Vibration Analysis, Ultrasonic Testing, Visual Inspection, Oil Analysis and other techniques from a central location.

WORLDWIDE TECHNICAL CENTERS

SUPPORTING NDT SERVICES



- ▶ Bureau Veritas offers the ability to deploy engineering experts and access leading technical knowledge globally and locally whenever and wherever a challenge arises.
- ▶ The Bureau Veritas Technical Center network is the backbone of our global engineering expertise bringing to our clients the best of Bureau Veritas' knowledge including design compliance and appraisal, verification, asset integrity management and risk & safety assessment studies.
- ▶ Each of our Technical Centers is equipped with powerful software and a large knowledge database including the majority of international codes and standards (BS, API, ASME, ANSI, etc.).



EXPERIENCE ACROSS ALL MAJOR INDUSTRIES



» Oil & Gas | Petrochemical

Gas and petrochemical plant | Major LNG works | Pressure vessels, bulk storage tanks and pipelines | Offshore platforms and equipment | Processing facilities | Refineries

» Mining and Commodities

Coal, iron ore, gold and copper mine sites and production facilities | Drilling tools | Open and underground mines | Mobile equipment

» Power Generation

New nuclear reactors | Periodic outages on nuclear plants | Conventional power plant and equipment | Boilers | Wind turbines

» Chemical & Process Industry

Fertilizer plant projects | Ethylene plant | Paint | Resin

» Steel & Heavy Industries

Many projects including fabricated structural steel plant | Heat exchangers | Metallurgical equipment | Hydraulic power pipes

» Major Infrastructures | Construction

Bridge and tunnel inspections | Civil structures | Desalination plants | Waste treatment plants

» Marine & Navy

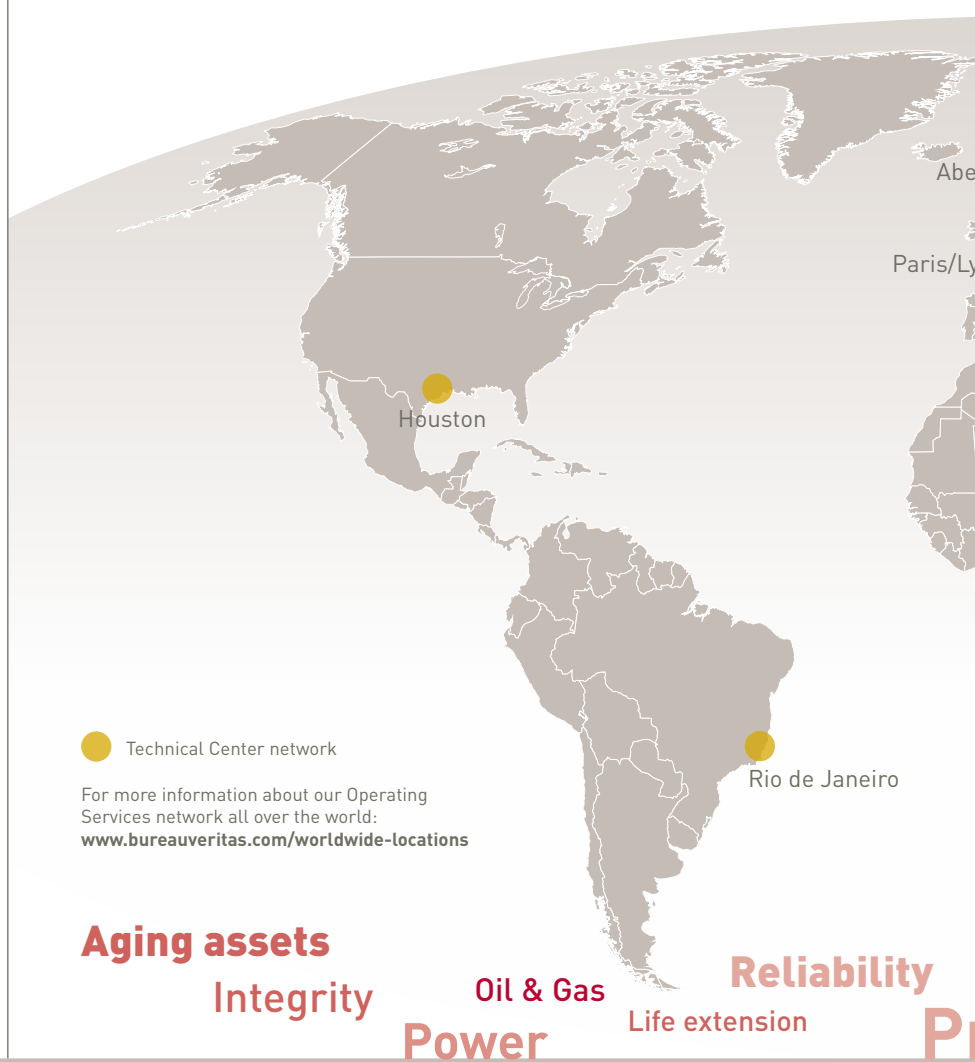
Maritime inspections | Submarine and warship construction | From FPSOs to cargo carriers

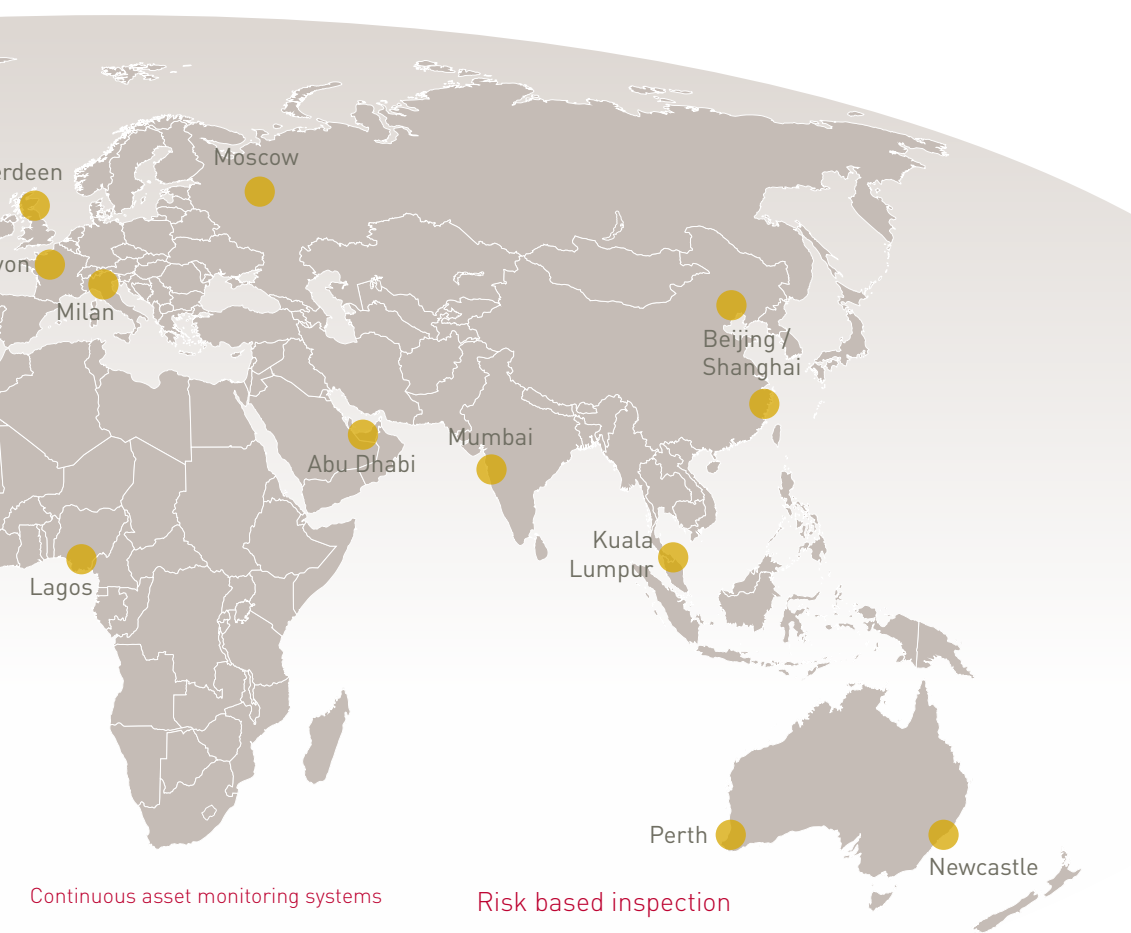
» Aerospace | Transport

Aircraft jet engine inspection | NDT projects for major airline components | Rail and associated rail infrastructure

Bureau Veritas has proven worldwide experience in providing expert NDT solutions across the Mining, Oil and Gas, Power Generation, Petrochemical and Manufacturing industries. With a global network supporting our key capabilities in local regions, Bureau Veritas offers tailored solutions to meet clients' needs.

**GLOBAL
PRESENCE**
TO PROVIDE
LEADING
NDT SERVICES
SUPPORTED BY
ENGINEERING TECHNICAL CENTERS





BUREAU VERITAS

Over 940 offices & 340 laboratories

Over 52,000 employees

140 countries

TRUSTED WORLD LEADER
FOR THE RAPID DEPLOYMENT
OF LEADING NDT EXPERTISE
TO BRING YOU A SOLUTION

Continuous asset monitoring systems

Risk based inspection

Instrumented protective functions

Condition based
maintenance

Maintenance
Availability
Sensors
Asset protection
process

WORLD LEADERS IN TESTING, INSPECTION & CERTIFICATION SERVICES



Move Forward with Confidence

For more information, contact Bureau Veritas:

67-71, boulevard du Château – 92571 Neuilly-sur-Seine Cedex – France

Tel. : +33(0)1 55 24 70 00

webcontact@bureauveritas.com - www.bureauveritas.com

