



FUGRO NONDESTRUCTIVE TESTING

Fugro offers nondestructive testing (NDT) services to clients in the petrochemical, metal fabrication, construction, and utility industries. Our testing equipment detects surface and subsurface discontinuities in material by using techniques that do not damage or destroy the items being examined.

Some of the most demanding applications of NDT are found in nuclear energy, power generation, petrochemicals, mining, construction and the oil and gas industries. To meet the stringent requirements of these applications, Fugro has a range of professional services that use a complete suite of equipment, operated by highly qualified technical staff.

NDT plays a major role in fabrication and construction by providing a method for checking adherence to applicable codes, specifications and standards. The testing is designed not to interfere significantly with your construction, operation or project schedule.

We prioritize client satisfaction and technical capabilities, paying close attention to your project needs. Our work conforms to rigorous quality standards prescribed by ASTM, ASME, AWS, API, ANSI, AWWA, SSPC, AASHTO, and AISC.

Furthermore, our operations are accredited to A2LA (ISO 17025)*, ilac-MRA, ISO-9001:2008, ISO 14001:2004 and occupational Health & Safety Accounting Standards (OHSAS) 18001:2007.

**A2LA scope includes RT, PT, MT, UT, VT, Welder Qualifications, and Welding Procedure Qualifications. Services performed by Fugro NDT locations in Houston and Pasadena, TX. A2LA certificate number 0023.04.*



Manual ultrasonic testing



Magnetic particle testing

SERVICE FLYER



ADVANCED LABORATORY

Fugro offers the following nondestructive testing (NDT) services from our over 36,500 square feet of laboratory space located in Houston and Pasadena, Texas as well as Sulphur and New Orleans, Louisiana. Our services include radiography, ultrasonic, magnetic particle and liquid penetrant testing. Our NDT labs utilize eleven radiography bays, five cranes (20,000lbs lifting capacity at our NW Houston location) and three forklifts. Fugro prides itself in providing these NDT services at clients' field sites and in-house twenty-four hours a day, seven days a week.

NDT Services

- Radiography - Cobalt 60, Iridium 192, Selenium 75, x-ray tube and film digitizing and computer radiography
- Ultrasonic - conventional contact, phased array and immersion
- Magnetic Particle - horizontal, portable and yoke
- Liquid penetrant
- Eddy current
- Positive material identification (PMI) - carbon and alloy
- Ferrite, hardness, cladding thickness testing and metallurgical
- Corrosion and coating inspection
- CWI / structural and welding inspection

QUALIFICATIONS

Fugro's nondestructive testing laboratories are certified by the American Association for Laboratory Accreditation (A2LA). Our NDT technicians are certified in compliance with the American Society of Nondestructive Testing (ASNT) recommended practice and receive regular eye exams to maintain certification. Visual weld inspections, welder qualification training, and welding procedure qualifications are all performed by American Welding Society (AWS) Certified Welding Inspectors. (CWIs).



Fugro's NDT facilities in Northwest Houston, Texas

Fugro's QA Manager for NDT is a Texas registered Professional Engineer who holds Level III certification in Ultrasonics, Radiography, Dye Penetrant, and Magnetic Particle testing from ASNT as well as certification as a Welding Inspector from AWS.

NDT technicians include Certified Welding Inspectors (CWIs) with Level II or III certification in various NDT testing methods and all NDT technicians are certified in accordance with our written practice or are certified by ASNT or ASNT ACCP. Our technicians hold certifications in Ultrasonics, Radiography, Dye Penetrant, Magnetic Particle, Film Interpretation, and Visual Weld Inspection. We also have mobile darkrooms for field development of radiographic film.

There are multiple applications for nondestructive testing, weld inspection and asset reliability management. Examples include vessel and pipes fabricating shops, surface and subsea drilling equipment, industrial plants, port equipment, aeronautical equipment, subsea operating equipment, wiring, bolting, structural steel, ships and school buses.



Radiographic testing



Positive material identification (PMI)