



# ULTRASONIC TESTING (UT) FOR STRUCTURES

# About Phans4:

Phans4 consulting is an inspection and testing agency employs qualified personnel who specialize in inspecting and testing civil equipment, Our experts are well qualified in relevant fields with international approved certifications to perform tests and inspections. They undergo continuous training to stay updated on the latest inspection techniques, testing methods, and regulatory requirements, Familiarity with Regulations and Codes. They all have experience working in relevant industries such as manufacturing, oil and gas, petrochemicals, power generation, or any other field involving civil equipment.



## ULTRASONIC TESTING (UT) SERVICES OF STRUCTURES

Welcome to Phans4 Consulting, your trusted partner for Ultrasonic Testing (UT) Services of Structures. Our state-of-the-art ultrasonic technology allows us to provide accurate and detailed assessments of your structures, ensuring integrity, safety, and performance. Explore our comprehensive range of services designed to address diverse structural needs:

### Our Services:

#### THICKNESS MEASUREMENT AND ASSESSMENT:

Phans4 Consulting conducts precise ultrasonic thickness measurements to evaluate the thickness of structural components such as pipes, tanks, and walls. Our assessments provide crucial data for integrity evaluation and maintenance planning.



#### WELD INSPECTION AND INTEGRITY ASSESSMENT:

Ensure the reliability of welded joints with our ultrasonic weld inspection services. We assess weld quality, detect potential defects, and provide recommendations for repairs or improvements to enhance structural integrity.



## FLAW DETECTION AND EVALUATION:

Our ultrasonic flaw detection services identify internal flaws within materials, including cracks, voids, and inclusions. Phans4 Consulting's meticulous assessments help uncover hidden defects that may compromise the structural performance.



## CORROSION MAPPING AND ANALYSIS:

Protect your structures from corrosion risks with our ultrasonic corrosion mapping services. We assess the extent of corrosion within materials, providing valuable insights for preventive maintenance and corrosion mitigation strategies.



## BOND INTEGRITY TESTING:

Phans4 Consulting specializes in ultrasonic bond integrity testing for adhesive and composite materials. We ensure the quality and effectiveness of bonds, detecting any potential issues that may impact structural performance.



## SHEAR WAVE TESTING FOR ANISOTROPIC MATERIALS:

Our ultrasonic shear wave testing services are tailored for anisotropic materials, providing accurate assessments of material properties and structural characteristics. This method is particularly effective for complex materials and composites.



**At Phans4 Consulting, we take pride in delivering excellence in Ultrasonic Testing Services for Structures. Partner with us to leverage the precision and reliability of ultrasonic technology for comprehensive structural assessments. Trust our expert team to provide you with detailed insights and tailored solutions, ensuring the safety and longevity of your structures.**

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