



# DT & ND TESTING 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.**



## DT & ND Testing FOR Structures

Welcome to Phans4 Consulting, your premier destination for advanced DT (Dye Penetrant) and ND (Non-Destructive) Testing Services for Structures. Our experienced team is committed to ensuring the integrity and reliability of your structures through cutting-edge testing methodologies. Explore the array of services we offer to elevate the quality and safety of your infrastructure:

### Our Services:

#### DYE PENETRANT TESTING (DT):

Phans4 Consulting utilizes Dye Penetrant Testing to detect surface defects in materials. Our meticulous examination ensures that even the smallest cracks, porosities, or discontinuities are identified, allowing for targeted repairs and improvements.



#### ULTRASONIC TESTING (UT):

Employing state-of-the-art ultrasonic technology, we conduct in-depth inspections to detect internal flaws within structures. This non-invasive method is particularly effective for assessing the thickness of materials and identifying hidden defects.

## **MAGNETIC PARTICLE TESTING (MT):**

Phans4 Consulting specializes in Magnetic Particle Testing to identify surface and near-surface defects. This method is ideal for ferrous materials, providing accurate results and enabling swift corrective actions.



## **EDDY CURRENT TESTING (ET):**

Our Eddy Current Testing services are designed to assess the conductivity and integrity of metallic structures. This non-contact method is highly effective for detecting cracks, corrosion, and material thickness variations.

## **VISUAL INSPECTION SERVICES:**

A crucial component of our DT and ND testing services, visual inspection ensures a comprehensive examination of structural components. Our expert inspectors identify anomalies, irregularities, and potential issues visible to the naked eye.



## **RADIOGRAPHIC TESTING (RT):**

Phans4 Consulting employs Radiographic Testing to inspect the internal structure of materials. This method is invaluable for detecting hidden defects, weld integrity issues, and ensuring the overall quality of critical structural components.



**At Phans4 Consulting, we take pride in delivering excellence in DT and ND Testing Services for Structures. Partner with us to ensure the longevity, safety, and reliability of your infrastructure. Trust our expert team to provide you with detailed insights and precise solutions to address any structural concerns.**

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