HMC INSTRUMENTATION & CONTROLS

16940 GRANT ROAD, CYPRESS TEXAS 77429

INSPECTION SERVICE: Onshore, offshore, international and domestic our inspectors have logged thousands of hours performing inspection for our clients including MT, PT, UT, VT, PHASED ARRAY, HARDNESS & TPI.

Our NDT inspectors are trained in accordance to the American Society of Nondestructive Testing (ASNT) Level III and Level II. Our NDT service utilizes a variety of advanced equipment capable of performing quality inspections for virtually any form of ferrous material, component, or assembly in the in the field. Our highly-trained staff of certified inspectors utilize advanced instrumentation and data reporting capabilities to quickly and accurately detect and identify flaws and measure material depth for a variety of applications in the oil & gas industry.

Upon completion of our inspection our client will receive a certificate of conformance certifying the integrity of their project. This includes all documentation and data collected during the inspection process.

More information

- Magnetic Particle or MT: For ferromagnetic materials such as castings, weldments, turbine components, forgings, and machined or stamped parts, this is one of the most sensitive nondestructive examinations.
- Ultrasonic Inspection or UT: With this method, NDT inspectors only need access to one side of a material. A transducer sends the ultrasound through the sample and the inner wall of a defect surface will send the wave bouncing back. It is also very portable and efficient.
- Phased Array: Phased array probes typically consist of a transducer assembly with from 16 to as many as 256 small individual elements that can each be pulsed separately. These may be arranged in a strip (linear array), a ring (annular array), a circular matrix (circular array), or a more complex shape. As is the case with conventional transducers, phased array probes may be designed for direct contact use, as part of an angle beam assembly with a wedge, or for immersion use with sound coupling through a water path.

HMC Instrumentation & Controls
Safety Quality Teamwork

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