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Thermal Infrared Testing (IR) - Thermography NDT

Infrared thermography testing detects radiated thermal-energies emitted from objects. With thermal imaging, the visible range of the wavelength spectrum is increased, allowing the examiner to view and measure radiated energy. Infrared cameras are non-contact devices which can produce single images or even videos. Any heat sensed by the instrument can be precisely quantified and measured, which allows the thermal performance to be monitored and problem areas to identified.

THE Applus+ SOLUTION

Applus+ has developed proven and tested thermography NDT inspections in accordance with applicable codes. Our technicians are rigorously trained and assessed, both internally and externally, on data acquisition and interpretation.

Target customers

Applus+ can deploy Thermography NDT on a wide variety of equipment and across a vast range of fields including:

- Upstream
- Midstream
- Downstream
- Transport pipelines
- Refining
- New construction
- Power
- Aerospace

- Nuclear
- Offshore
- Maintenance

Key customer benefits

Applus+ can deliver thermographic testing of electrical, gas or mechanical assets for predictive maintenance and detection, and thermal infrared testing can be performed quickly, accurately and safely, enabling the detection of problems prior to failure.