

Cesit Ingegneria S.P.A.
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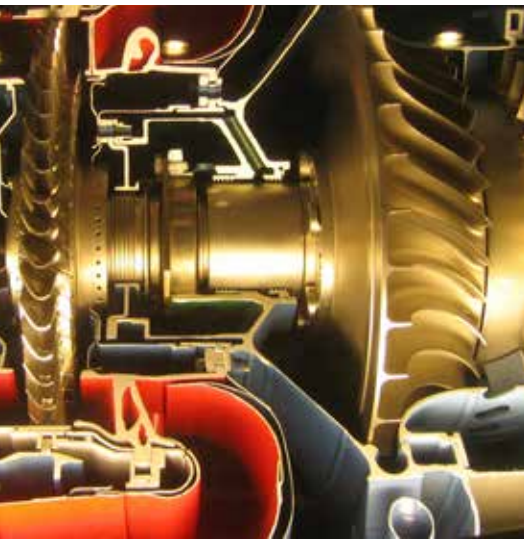
Safety and Environment

Thermography

Thermography is the two-dimensional imaging of the heat given off by any object, and is now one of the main techniques used in predictive diagnostics.

Non-destructive and non-invasive tests are conducted using an infrared camera.

Thanks to this predictive maintenance technique, it is possible to increase the efficiency of a system by significantly reducing the number of unforeseen faults and downtimes.



Cesit Ingegneria S.P.A. offers its Customers a thermographic imaging and analysis service on equipment, components, processes and structures for which thermal mapping is relevant and useful for the purposes of maintenance, energy-efficiency and product or process optimisation. The possibility of performing quick, safe, contact-free imaging makes thermography an essential method for plant testing.

Cesit Ingegneria S.P.A. is a dependable provider of these analysis services as a result of several strengths:

- Top-quality, certified instrumentation.
- Personnel qualified and certified to perform non-destructive testing in accordance with the applicable regulatory requirements.
- Personnel with many years' experience.
- The documentation, which has certificatory status in accordance with ASNT and/or EN-473 standards, is given to the Customer in printed and digital format, and contains images in both the visible and infrared spectrum, in order to provide clear details of the objects examined.

Thermographic diagnostics offers many advantages, including the following:

Plant, machinery and devices are examined in operation without any need to take them out of service.

Temperature changes can be monitored over a period of time, thus making it possible to produce a graph of the degradation of components and estimate their service life with a reasonable degree of accuracy.

Thermographic testing costs much less than traditional testing.

Inspection frequency can be kept down to once or twice a year, depending on the type of plant, the production cycle and the scheduled maintenance programme.
