

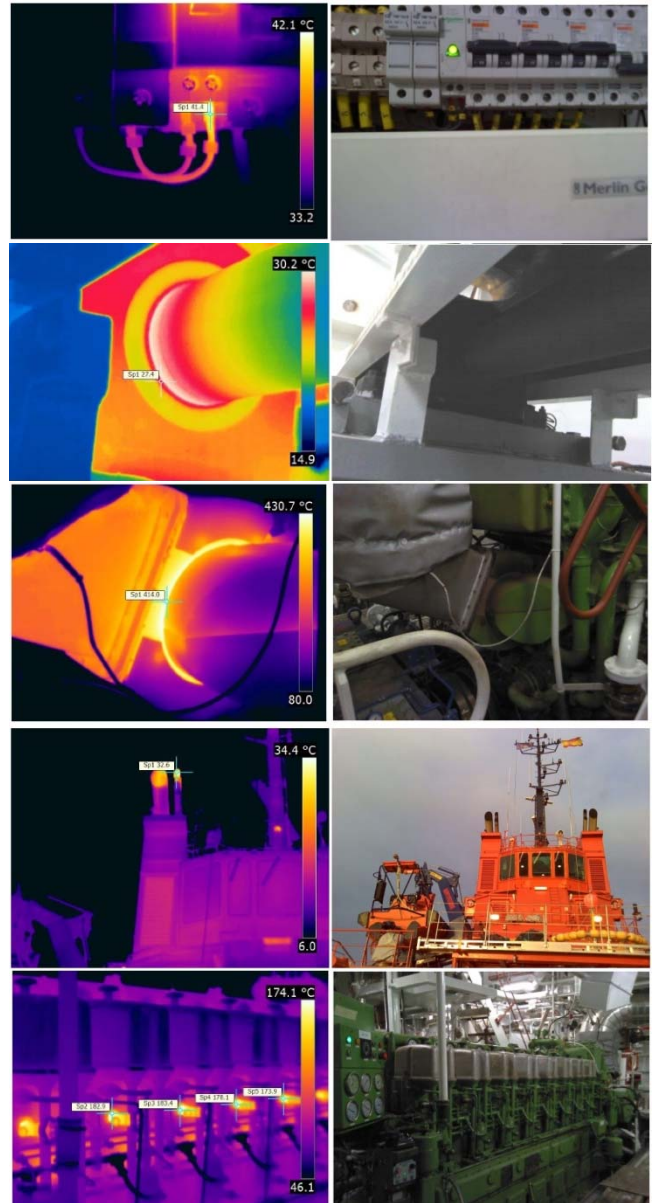
THERMOGRAPHIC INSPECTION

Non Destructive Testing (NDT) has become a must when trying to evaluate products or systems without alteration of the inspected items. One of those techniques is the thermographic inspection that allows a safe and non intrusive examination without contact with the inspected elements.

As with other NDT techniques, it is a good option not only for troubleshooting, but for preventive and predictive maintenance. Some of the specific applications are:

- **Electrical systems inspection.** A thermography of the main switchboard will reveal faulty elements and misconnections that need retightening. The thermographic pictures will be presented along with real images to help locate the faulty points.
- **Conduction and fluid inspections.** Leakages on fluid conductions will be easily allocated. Faulty valves opposing too much resistance to fluid, will also show higher temperatures.
- **Mechanical failures:** Hot bearings give an early warning of the end of their life span or reveal misalignments. The thermographic inspection helps to identify those components, prior to their failure
- **Insulation faults:** A thermal image of an exhaust duct will reveal discontinuities in isolation. Heat leaks identified will also help to improve the efficiency of heating and air-conditioning units.
- **Engine inspections:** A thermal image of an engine will reveal differences in cylinder operations.

Astilleros de Mallorca offers the services of a certified operator that uses a modern Infrared Camera with a Resolution of 76,800 pixels (320 x 240) a Thermal Sensitivity NETD < 50 m°k and works in a Temperature Range of -20°C to +650°C . The accuracy is ±2°C



Please ask us for more information or a quotation

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