

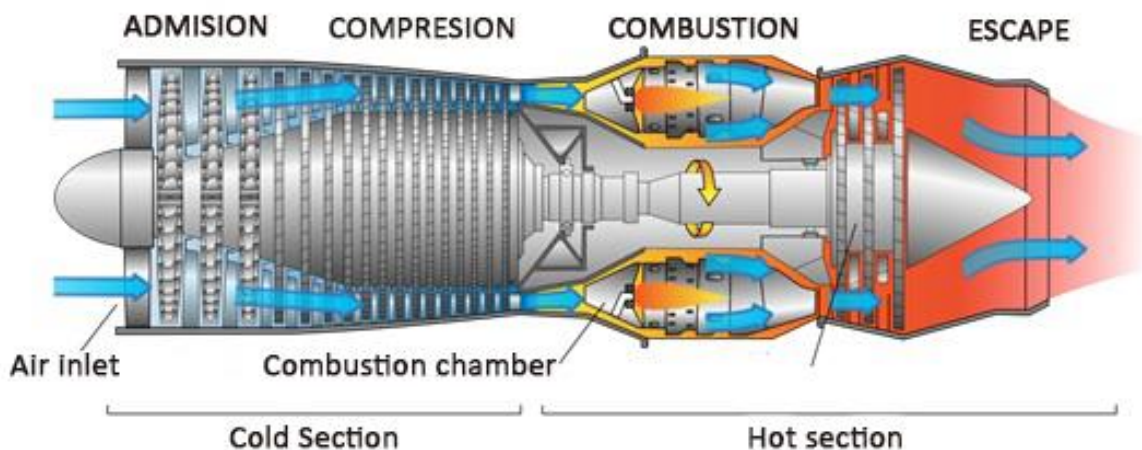


# bcB Monitor 4.0<sup>®</sup>

## Thermographic solution for rotating equipment and thermal in image processing

The **bcB** Monitor 4.0<sup>®</sup> is a powerful tool for infrared thermography inspections that allows users to perform: online and offline measurements, analysis, configuration and control of the camera and thermal sequence processing for active and passive thermography inspections. It works with a wide range of FLIR cameras (the world's largest manufacturer of IR cameras).

Gas or steam turbines, expanders or compressors, are included in the facilities of electrical power generation plants, refineries, cogeneration facilities, regasification plants and refrigeration. They are high-valued equipment composed with blades, seals and bearings, critical in their operation because a minimum failure will bring serious problems to the plant. A predictive maintenance error (monitoring of the condition) is the cause of serious anomalies in the operation of the facilities.



Official dealer & integrator

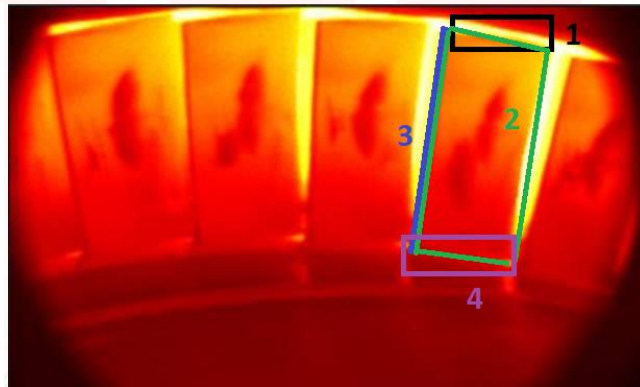


**TELEDYNE FLIR**  
Everywhere you look

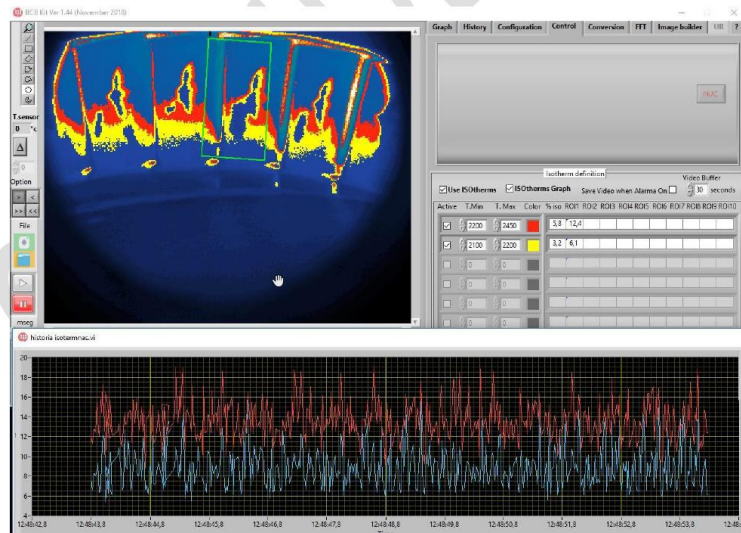


# bcbMonitor 4.0- Rotating Equipment

Applications based on FLIR cameras and the bcbMonitor 4.0® software allow to detect catalyst accumulation in the upper edge of the blade, catalyst accumulation in the blade (if any) and wear on the edges of the blade (superior and from the tank). We can also analyze the fluidmechanics of combustion gases, isotherms, the combustion temperatures, detection of wear insulation in turbine protective installations, cooling/heating cycles, energy efficiency analysis, heat losses or not thermal homogeneities.



It is necessary to be able to access to a direct view of the blade with the cameras through a window or peephole. In this case, by means of a camera in the near infrared (SWIR) it is possible the inspection in real time, realizing a precise synchronization, with a team like the Key-Phasor of Bentley Nevada.



## bcb

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