



APPLICATION NOTE

PLANT ROOM MONITORING

Condition based maintenance and
monitoring using thermal imaging with
ONCALL-FINESTRA



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Reduce down-time and improve maintenance planning. Here is a better way

Infrared camera technology combined with ONCALL-FINESTRA can automatically detect deteriorating performance in critical facilities plant well before failure, averting loss of service and downtime.

Predicting failure in rotating machinery can be extremely difficult and usually involves having extensive spare part inventories and high dependency on accurate predictive data for planned maintenance. ONCALL-FINESTRA assists *conditional maintenance* utilising data in real-time from sensor sources. Thermographic cameras are easily deployed to provide a range of temperature sensor points within a given field of view. ONCALL-FINESTRA simply records the temperature data from each camera and compares it with predetermined alarm thresholds. Rapid rates of change can contribute to the monitoring processes.

KEY BENEFITS

- **One system for all your essential systems, enabling proactive and immediate response to system failures and emerging fault conditions**
- **Wide area coverage - multiple devices**
- **Vastly improved quality of information compared with on conventional wired BMS sensor systems**
- **Wire - free monitoring key temperatures across all devices in the field of view**
- **Continuous monitoring alerting on abnormal rate of change**
- **Rapid deployment and simple to install**
- **Supports most thermal imaging cameras with TCP/IP Modbus and RTSP signalling**
- **Combine existing sensor and management system data from other systems for the full picture**

TYPICAL APPLICATIONS

- **Monitor rotating equipment for bearing failure e.g. fans, motors, pumps and compressors**
- **Detect phase failure and overheating of motor windings**
- **Circulation failure - heating and cooling systems**
- **Leak detection liquids & gases**



Contact us now for a quotation:

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Developed in the UK by Panasense Ltd