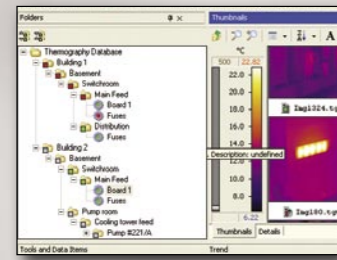


Asset Based Condition Monitoring

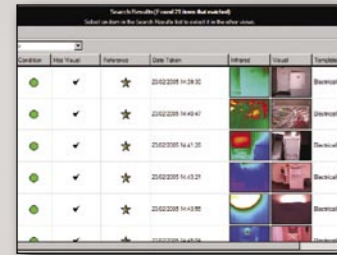
Condition RED® is a powerful SQL Server database system that organises your assets and workflow for Thermography and Predictive Maintenance.

Camera based asset information and direct data entry in the field lead to fault and work list reports that are produced in seconds.

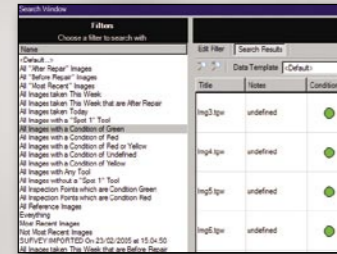
Condition RED works on your PC in the shop and in your camera in the field to make sure your Preventive Maintenance program runs smoothly and effectively at all times.



Asset Register



Survey Plan



Filters within Condition RED

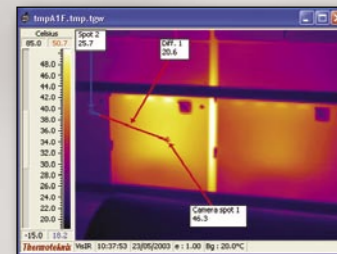
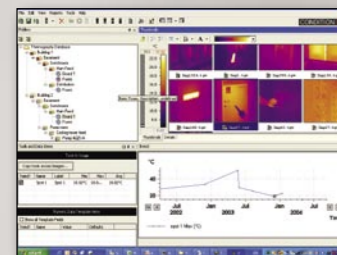


Image Analysis



Trending

Create Asset Register

Storing, Ordering and Retrieving thermal images and data on your PC can be very time consuming. Condition RED organises your assets in a logical tree structure according to your site layout and preferences. Thermal, visual images and data are stored under each asset by date.

No more searching through meaningless file names to locate that problem asset image!

Plan Surveys

Pre-planning your surveys on the PC saves you time and effort. Routine surveys are available for regular inspections, or, drag and drop assets directly onto a new survey.

Transfer your plans straight into your VisIR camera and you are ready to go. Your asset lists with baseline images and data are in hand for use in the field.

Condition RED VisIR®

Full VisIR camera integration puts survey plans, images and data directly into the camera ready for use at each asset. Thermal and visual images are saved automatically and operating parameters can be entered with Red, Yellow or Green fault status. Completed surveys are transferred by PCMCIA card, USB or wireless communication directly to the Condition RED PC and every image is automatically imported and stored under its correct asset, without any user intervention.

Simple, fast, efficient and organised thermography.

Condition RED PC

Condition RED PC is a stand alone PC system that accepts compatible format infrared images without VisIR or thermal camera integration. Create asset registers on your PC to organise and store images and data. Produce surveys and print inspection plans in seconds. Drag and drop images on your PC from memory card or disk onto each asset using Condition RED's File Explorer. Enter related data and asset conditions on screen for a complete record of asset status. Use Condition RED's powerful search and filter tools to select the assets and images you want. Analyse, trend, report and print auto-filled reports at the touch of a button -

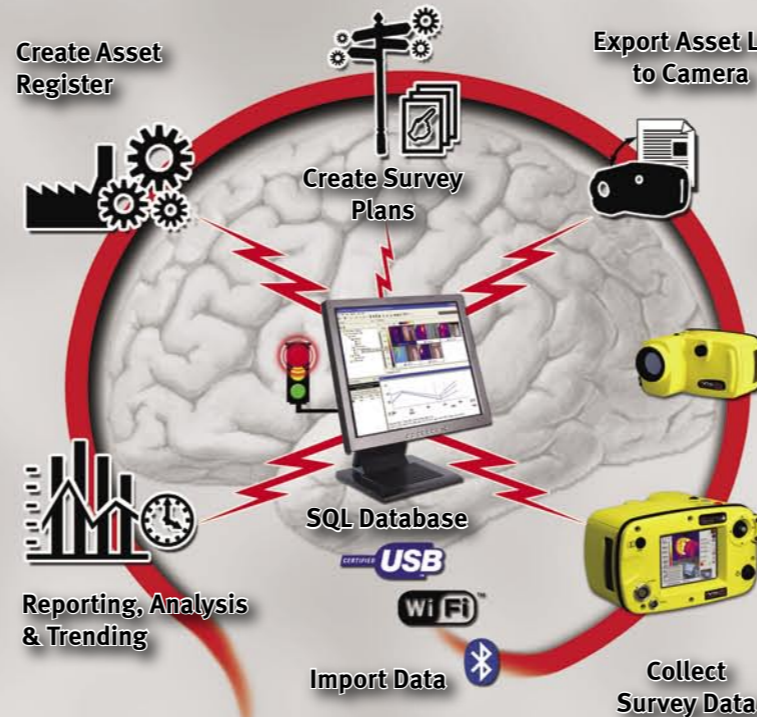
All the power of Condition RED for best practice Predictive Maintenance.

Analysis & Trending

Condition RED performs image analysis and asset based reporting in a fraction of the time taken by traditional image based reporting packages.

Temperature and related data trending are performed automatically and Condition RED's "Thermal Predict" mode mathematically models the time to reach Threshold or Alarm temperatures.

Plan your maintenance or repairs before failure occurs.



Powerful Search Filters

Condition RED provides powerful Search and Group tools to select images and data instantaneously. Group images based on location, asset, dates, thermographer, Condition and much more. Trend your selected images to predict time to failure or service requirements. Create work lists, repair lists or Exception reports in your own corporate style using Condition RED's step by step Report Wizard.

Condition Monitoring Data

Condition RED links documents, spreadsheets and other related data for each asset. Include repair procedures, service order forms or other Predictive Maintenance data such as Oil or Vibration for the complete Condition Monitoring package. Condition RED is supplied with its own stand-alone ODBC compliant SQL Server database or it can be integrated into your existing SQL Server installation.

Inspecting Assets with VisIR

Every asset record can store baseline Reference thermal and visual images as well as camera and tool settings which are exported in a survey to the VisIR camera. Pick the asset for inspection from the asset list on screen in the camera and the reference images are shown for live comparison with the asset. Temperature range, span, palette, emissivities, tool positions and operating data are set automatically to enable the Thermographer to quickly assess conditions or diagnose faults instantly. Inspection time is reduced to a minimum and routine methods are used for consistent evaluation and professional working practice.

Save & Go

Simply press the VisIR store button to save thermal and visual images of each asset, add a voice note or enter data field information ready for inclusion in automatic reports. Unlimited number of images can be saved for each asset and assignment of images, data and voice notes is done automatically on import to the Condition RED database. A special "Off-Survey" folder is available for images that were not planned in advance, or for a "walk about" inspection without any survey in the camera. No planning is needed but images can still be stored in your own Condition RED database asset structure for easy search, retrieval, analysis and reporting.

Reports, Reports, Reports

Condition RED caters for every type of report - Condition RED Assets, Repaired Assets, reports with visual images, before and after repair reports, weekly reports, survey reports, planned maintenance reports, single page reports, multi-page reports. The possibilities are endless. Professional reports using your own templates can be created quickly and easily in Microsoft Word with thermal images, visible images and data to meet your needs. Thermal images can be edited directly in the report and printed, faxed or emailed within minutes from completing your survey.

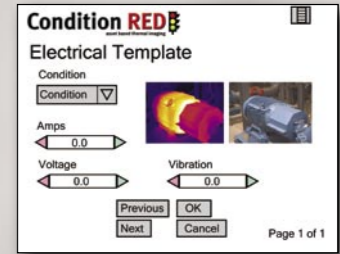
Asset based thermography from Thermoteknix...



Data Import



Set Asset Operating Data



Set Asset Condition



Powerful Reporting Facilities



VisIR TI 200

Condition RED is a dedicated system for thermography based Condition Monitoring that helps you organise, plan and perform best practice infrared inspections of all kinds. Condition RED manages and maintains all your images, data and reports to save you time and effort.

Condition RED PC is built on a powerful SQL Server database engine that can be scaled to suit the size of your company's requirements. Images and data are stored seamlessly under their asset or equipment name or ID for ease of retrieval and comparison. Inspection surveys plan your work in advance and enable routine tasks to be performed regularly and with best practice methods. Powerful "Auto Trend" features provide instant graphs of changes in operating temperatures, Delta Temperature, or other Predictive Maintenance parameter such as load, rpm, or vibration data. Mathematical models predict future performance and time to failure to ensure repairs or service are performed ahead of failure. Database searching and grouping enable reports to be made to your criteria and needs. Condition RED's Report Wizard puts professional reports just a click away.

For integration of your field inspection and office work, "Condition RED VisIR" provides a PC asset database and an infrared camera system that work smoothly together to put the information you need at your finger tips. Condition RED VisIR transfers survey data directly from PC asset database to VisIR camera and back to keep your data organised and in sync at all times. Automatic camera settings to reference values for each individual asset make field examination fast and repeatable whilst direct data entry of operating parameters reduce the time to report to a minimum. Condition RED VisIR is the completely integrated solution to thermography to save you time and money and ensure best practice at all times.

FEATURES	PC	VISIR CAMERA
Condition RED PC		
Browse files	✓	✓
Asset Tree Design	✓	✓
Standard Asset based reports	✓	✓
SQL Filter designer	✓	✓
Asset Data recording	✓	✓
Asset temperature trend & Prediction	✓	✓
Survey Planner	✓	✓
Baseline reference - thermal & visual images	✓	✓
Before/After repair reference	✓	✓
Embedded links to related data	✓	✓
(Documents, Spreadsheets, Vibration/Oil Data)	✓	✓
Condition RED VisIR		
Asset List in camera		✓
Asset Operating Parameter in camera		✓
VisIR Camera Condition RED Software		✓
Load data recording		✓
Voice notes		✓
Image Compare		✓
Status record		✓
Import Survey from VisIR directly into Condition RED database		✓
Extended reporting feature (Survey reports, Post repair reports etc)		✓

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