

# Infrared Training Limited

## Infrared Training Limited Open Day - 21st January 2015

Infrared cameras are absolutely brilliant! Infrared Thermography has had the most significant influence on my whole working life! Yet, I still perceive that its use in industry has been quite limited. Numerous companies still lock their cameras away in cupboards instead of maximising the use and potential of the instruments. I would think that my industrial Thermography experience saved many many millions of pounds; either by identifying serious electrical faults, monitoring processes and process equipment for bottle necks that reduce production or energy saving surveys focussed on refractory, insulation, steam systems or friction.

The potential of the technology has not been unlocked, raising the issue as to why this should be and conclusively, after taking to camera manufacturers, distributors, technicians and engineers I have reached the following conclusions.

- 1. Technology is not used correctly as a condition monitoring tool.**  
After purchase and hopefully some professional training, technicians find it increasingly difficult to generate the time required to build up their hours experience and actively gain the real skills required to deliver exceptional Thermography surveys.
- 2. Lack of knowledge/understanding of the correct operation and use of the equipment.**  
Are users conversant with heat transfer theory, blackbody radiation Laws and the Laws of Thermodynamics? The more we understand about the technology, the proficiency increases.
- 3. Using instruments just for one particular inspection technique.**  
Infrared cameras are really versatile and although the operator is required to be competent to evaluate specific application images, they can be used on so many different types of inspection.

Infrared Training Limited has been involved with Thermography for over 20 years and has professional training instructors based in the UK for 10 years delivering around 35 to 50 certification course a year. We deliver Thermography training aimed at using the camera professionally in the field. This year we have introduced the latest technologies in the training class and employed a Smartboard and iPads to enhance the learning experience. This combined with a precise web based learning Handbook, allows students to study some of the relevant physics at their leisure, before attending a more practical hand-ons training course. This has allowed us to reduce the number of days students attend a certification course which is one of the biggest factors when companies plan personnel training.

We invite you to come along and see what we are doing in Liverpool; ask about our newly structured support network, our success with students passing independent Thermography examinations based on ISO 18436 which are administered by BINDT and celebrate our 10th year trading in the UK and remaining one of a few Approved Training Organisations. Meet our enthusiastic staff and discover the lengths we travel to deliver our world class training courses.

We can supply you with lunch and a quick ride around the off road course in our neighbours latest Landrover. We hope some distributors will bring a couple of the latest cameras and associated equipment for us to look over as well as remembering the older technology if we fire up the old Agema.

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