Institute of Infrared Thermography

Inside this issue:

Building links with Salford University	1
Infrared Training Ltd Category 2 award	1
Safety	2
T5 Baggage system all go for for Xmas	2
Down the Local!	3
What's new with IRT?	3
EN 4179– IT in the Aerospace industry	3
Making light of Thermography	4
New training locations for 2012	4

IRT Vision.

To help individuals to become highly skilled, professional thermography technicians. To raise awareness of the technology and support students throughout their association with Thermography which provides industry with confident Thermographers that are competent in the trade.

Making Light of Thermography Training

Institute of Infrared Thermography

Volume 1, Issue 1

Building links with Salford University

Infrared Training Limited, UK sister company to Institute of Infrared Thermography is pleased to announce that 2012 with see a partnership formed with Salford University to run a series of training events at the Energy Hub House, an environmentally controlled building, This will provide course access to the building for both Infrared Thermography and Blowerdoor inspections. Infrared Training Limited will initially run two day building Thermography introduction courses for individuals looking at the technology as a added value to clients or to understand this technology with an insight into how it can provide a high degree of energy related information on the structure. In partnership we will also run Blowerdoor training courses a three day event that is

L2 building applications course at the Energy Hub, Salford University

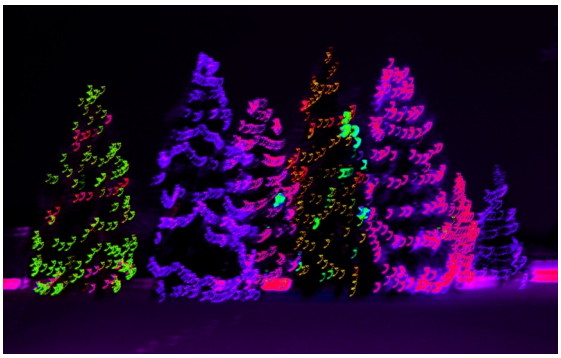
certified by the British Institute of Non Destructive Testing (BINDT) for technicians that would like to train in this technology. We have some excellent trainers with years of experience in this field. Later in the year we will run L1 Thermography certification courses, a four day event that provides students with the confidence and know how to use Thermography professionally to inspect any structure. Working with the staff at Salford University provides one of the best venues for technical courses and support of the highest level from academics on any issues related to Thermography or Blowerdoor inspections. For further information on these exciting events please call Tel: 0151 424 4060 or email - debbie@infraredinstitute.co.uk

Air Pressure Testing at the Energy Hub House

Infrared Training Limited Category 2 Award

Institute of Infrared Thermography, an accredited training organisation for BINDT is the first training organisation worldwide to be accredited to deliver Category 2 (Level 2) training courses that conform to ISO18436-7. The format of training is split into four sections: infrared physics, electrical application, mechanical applications and civil (buildings and structures). Students undertaking theses courses are required to sit the theory module and at least one of the applications. 2012 dates will be set for L2 courses directed at specific applications so that students can concentrate and specialise on their particular subject matter. We hope that this move addresses concerns over in-depth specialilty training . Infrared Training Limited has just undergone a BINDT audit of quality procedures and training events and passed the audit without incurring 'non comformances' or even 'observations' on our procedures. This implies that the products available for our students is of the highest quality. If you would like more info contact Debbie on 0151 424 4060 or debbie@infraredinstitute.co.uk

Copyright of Infrared Training Limited



Don't forget your infrared camera this Christmas and check out the electrical systems, especially the tree lighting and any external decorations that you have used to decorated your homes . A ten minute check can save a lot of aggravation and you can enjoy a relaxing Christmas break.

Safety is of course a serious consideration when imaging electrical systems in industry and it is worth checking out the NFPA 70E document that now contains references to Industrial Thermographic inspections of electrical systems and highlights flash protection distances and the complicated mechanism used to work out safe working distances. Infrared Thermography has been used in industry for many years and by surveying electrical components many a serious fault has been identified and rectified prior to catastrophic failure. We will never know how many people have been saved from injury by your actions. Every fault we identify as a Thermographer potentially reduces the risk for other individuals that work on or near electrical equipment.. So well Done!

Safety

Enhanced Learning Credits Accreditation Service

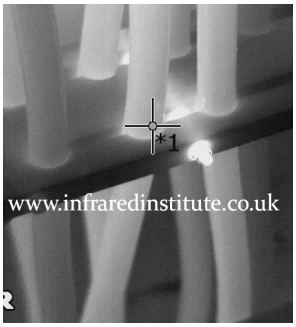
The MOD's Enhanced Learning Credits scheme (ELCAS) is an initiative to promote lifelong learning amongst members of the Armed Forces. Infrared Training Limited, is now an approved Training provider for the MOD and after a lengthy registration process our courses are available within the ELCAS scheme to service men and woman as part of their resettlement process. Call the office for further information

Linear motors on the T5 baggage system.

T5 Baggage system all go for Xmas and the 2012 Games

As everyone knows, the baggage system at an airport is vital and any delay amounts to a lot of frustration. The Vandelande team that look after the system at Heathrow's T5 are forward planning for the maintenance of the equipment by introducing a monitoring system while the equipment is still relatively new. The team have completed step one and undergone L1 Thermography training and are in the process of baselining all electrical and mechanical assets. So if you are away this Christmas, your baggage should come through on time!

The Vandeland team after their training course. Led by Guy Plattern the team monitor the T5 baggage system at Heathrow Airport



Inspection Tip.
Be aware of induced eddy currents on ferrous bolts close to transformer cables.

Student Feedback

"This is just a quick email to say how much I enjoyed the course last week and that I cannot wait to get out and start using the camera on a regular basis. You were such an inspiration and I hope we'll stay in touch as I – hopefully – progress in using thermography in my chosen career. Please keep me in the loop about your upcoming courses and especially the building application training, as a company we are definitely serious about it."

Natasha Baum L1 UK. Nov 2011

"It was amazing for me to learn what a Thermographer can do to an organisation by warning the maintenance teams early of possible problems."

Dubai March 2011

"This is my 3rd time training with Austin/Frans. Brilliant and fun!"

L2 Building Sept 2011

"Brilliant tutor, lots of theory covered, but he kept it entertaining. Very thorough and well put together– cannot fault."

Vanderlande Oct 2011

"Extremely interesting & useful to my job, I will be doing Level 2!"

C. Simmins L1 UK. Nov 2011

"Many thanks for the course. Training like this is only worth it when taught by people like yourself, who have experience in the field. "

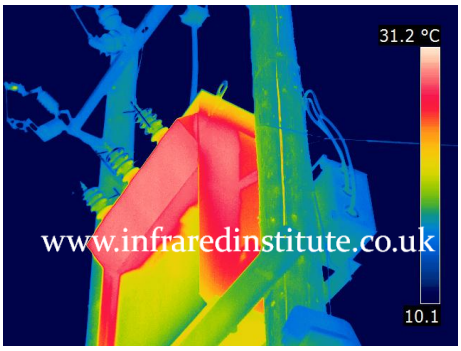
Chris Dowling , L1 UK 2010

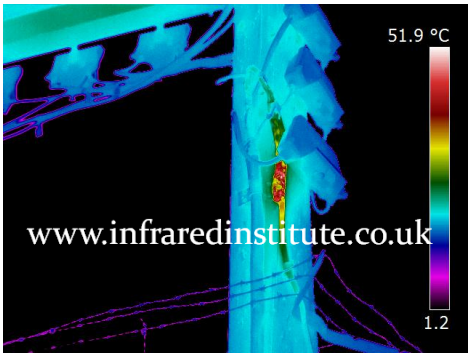
Copyright of Infrared Training Limited

Down the local for - an inspection?

Recently, having spent hours on the road—and finding myself fairly close to a pub managed by my brother, I decided to drop in for a drink and a bite to eat. As it was quite early, I thought I would have a quiet drink and relax for a few hours. Sitting in the sunshine and absently gazing around—without really thinking why, I found myself looking at the transformer perched upon the pole at the end of the pub garden. They do say that there are individuals suited for particular jobs because they have good intuition, and I found myself thinking about the operation of the transformer. This ultimately led to a short walk to the car to get my camera and just have a quick scan of the equipment. What I found was quite interesting and captivated me for a hour or so by which time, the beer was flat and my greatly anticipated meal was cold. But in hindsight, I had identified a connection on either the neutral or earthing cable (I am not an electrical guy) that when investigated by the supplier, it emerged that the company was having some issues in the area that they had not been able to identify. I am hoping to find out how they resolved the problem on my next visit.

PFD. Belper.





What's new with Infrared Training Limited?

We have had a few changes here at Infrared Training Limited, Joan our Office Manager retired over the summer, we wish her all the best and I would like to introduce myself as her replacement. My name is Debbie and I will be full time in the office to offer assistance with any queries or requests you may have. I have a background in marketing and business management and am looking forward to helping the company continue to grow and deliver training at exceedingly high standards consistently all over the world.

We are currently in the process of updating our website and will be introducing a new look to our site early in 2012. This will reflect our position in the industry as a World Class and well respected training organisation. This will also provide ease of access to resources and documentation, whilst enabling our students to register more easily via an online application process, plus much more!

In October 2011 we also relocated our office and have now settled in nicely in Widnes, Cheshire.

See back page for our full contact details.

Why not visit us at the 2012 annual Maintec conference, held in NEC Birmingham from 28th Feb—1st March?

EN 4179 Infrared Thermography in the Aerospace Industry

Aerospace training has become a prominent feature over the last couple of years. As more aircraft have composite materials it is important that good inspection techniques are used to check the condition of these materials. The courses are compliant with EN 4179 and run over a two week period that cover Level 1 and Level 2 training. The guys, pictured here having earned a relaxing break for refreshment, have covered moisture ingress in rudder and elevator control systems using heater blankets refrigeration and heater gun techniques. The course covers both the theoretical and practical elements of the inspection and students are required to take a practical and written examination. As everyone was successful on completion of the training, we wish them well with their future NDT Thermography inspections

Copyright of Infrared Training Limited

Institute of Infrared Thermography

InfraredTraining Limited
91 Albert Road
Widnes
Cheshire. WA86JS

Phone: 00 44 (0)151 424 4060
Cell: 00 44 (0)7703049123
E-mail:

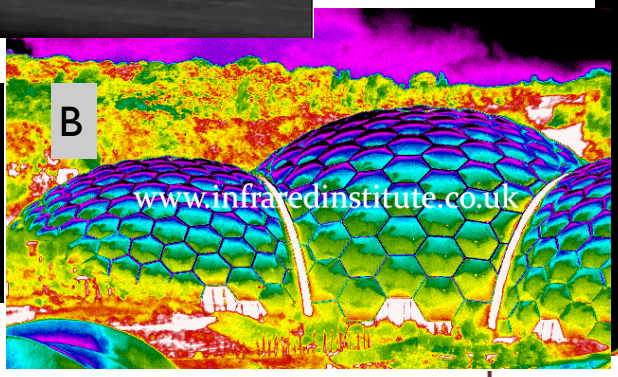
debbie@infraredinstitute.co.uk

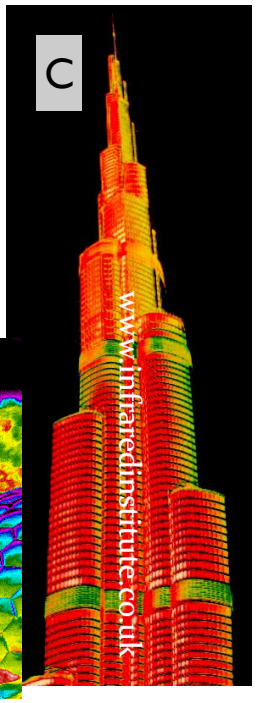
Making Light of Thermography Training

Win a digital camera!!!!! All correct answers will be put into a draw held on 1st February 2012.

'Where in the World' competition. During a series of training events, our trainers visit many countries. From the images below, can you work out which 3 countries are represented by the images. Answers should be sent to;

debbie@infraredinstitute.co.uk





Check out our website for 2012 training dates and locations at

www.infraredinstitute.co.uk

New Training Locations for 2012

Institute of Infrared Thermography has been developing associations with partners to deliver training courses into new locations around the world. In 2012 we hope to add;

Saudi Arabia

Jordan

Kuwait

Turkey

Spain

to our increasing list of locations. In 2011 we added regular courses in Romania and Oman as interest in the technology spreads around the world.

As a respected training organisation we have been running training regularly in the UK, Ireland, Netherlands, Germany, UAE, Qatar, Belgium, Azerbaijan, Slovakia, Greece, Nigeria and hope to keep these established markets. Infrared Thermography training has become an accepted method of Condition Monitoring in industry and we also run many in-house training programmes for organisations like Microsoft, BP, Pinewood Studios, BAE, Vandelande, Babcocks, Centrica, Southern Electrical and many more.

Thermography is a skilled profession and professional training provides the essential guidelines for effective use of the equipment. Infrared cameras only record levels of radiance from objects, it takes a knowledgeable technician to be able to measure temperature remotely.

Infrared Training Limited Course List:

- 2 day operator course
- Level 1 Certification course
- Level 2 Certification course
- Level 2 Building Course
- Application specific course
- Building Introduction Course
- Blowerdoor course

Certification programmes include;

ISO 18436-7 Category 1 & 2.
ASNT SNT TC 1A L1,2&3.
EN 4179 L1&2.

We also offer bespoke training which can be delivered in house and quotes are available upon request.

Contact us for further information.

Copyright of Infrared Training Limited