

# The Institute of Infrared Thermography Newsletter

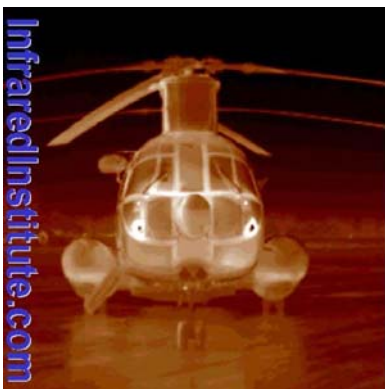
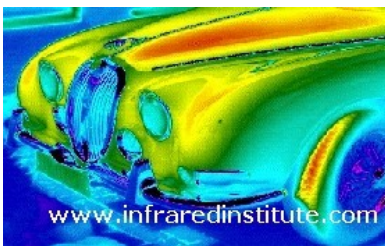
## Inside This Issue

- New Office Details
- Website Information
- A Sample Report
- Focus Feature
  - Thatched Roofs
- Competition Time
- Upcoming Events

---

*Check out our  
Cool images at  
[www.infraredinstitute.co.uk](http://www.infraredinstitute.co.uk)*

---



## Welcome to the IRT Newsletter

Newsletters will appear on the website and previous issues will be available to download. The news letter is free and you can subscribe simply by emailing the word 'Newsletter' to [newsletter@infraredinstitute.co.uk](mailto:newsletter@infraredinstitute.co.uk).

To unsubscribe please email 'Remove Newsletter' and IRT will delete your details from the mailing list.

## New Office Info

The Institute of Infrared Thermography has expanded its operations and has opened a UK office that will form the headquarters for the European market. The new HQ will coordinate activities across the continent ensuring that the highest quality of training is maintained. The European office will deal with all enquiries, bookings and logistical issues.

## Website Launch

With the European office now up and running IRT has launched a new website to promote the companies activities in Europe.

This site offers new features and will provide useful resources to individuals and companies across Europe. Hints and tips on report writing is just one example of the type of resources that IRT is making available via the new site. Check it out at:

[www.infraredtraining.co.uk](http://www.infraredtraining.co.uk)

IRT's website will provide information regarding European courses, dates, locations, outlines and other relevant details. There is also an online registration option and a PDF downloadable copy of the registration documents.

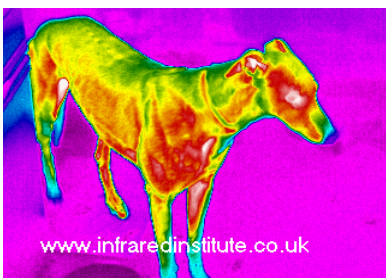


InfraredInstitute.com

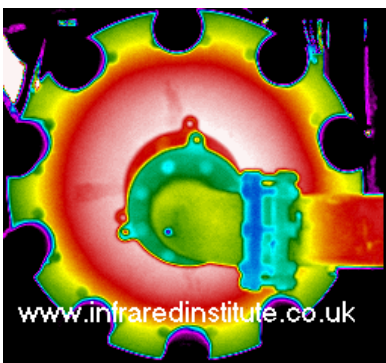
Check out our  
Cool images at  
[www.infraredinstitute.co.uk](http://www.infraredinstitute.co.uk)



www.infraredinstitute.com



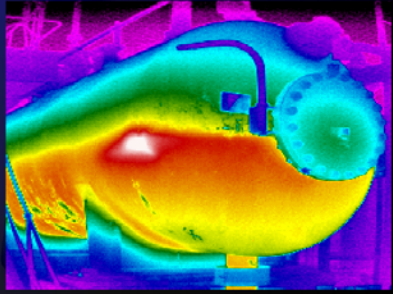

www.infraredinstitute.co.uk



www.infraredinstitute.co.uk

## Sample Reports

Sample reports are now available online at [www.infraredinstitute.co.uk](http://www.infraredinstitute.co.uk). These templates give the basic outlines that can be used to construct reports and provide information about what details need to be included when compiling reports. More sample report pages are to be added shortly.

| REPORT SAMPLE   |  |
|---|--|
| Thermal Image Number 1  | <b>Inspector Comments:</b><br>Deterioration of inner tank lining suspected, internal inspection recommended.<br><br><b>Plant Comments:</b><br>Internal inspection identified a section of lining that had deteriorated on the front of the west section of the tank. |
| Company: Petrochemical  |  |
| Plant: Caustic Plant  |  |
| Equipment: T501   |  |
| Location: West Tank   |  |
| Date: 12/12/06  |  |
|  |    |

## Report Reminder

If you have previously completed an IRT course in the past and have still to submit a report to us this can be done by emailing [info@infraredinstitute.co.uk](mailto:info@infraredinstitute.co.uk). If the report is up to the required standard and all of the criteria for qualification has been met IRT will then mail out certification forms. Once you have received certification from IRT you are then eligible to claim a wallet card which can be used as proof of the qualification attained.

## Operator Courses

The Institute of Infrared Thermography is pleased to announce that they will be offering Fluke camera operator courses throughout 2007, this follows a series of successful courses in 2006. IRT is however, an independent education facility that runs camera operator courses for all brands and models of infrared equipment.

The camera operator courses are short two day packages that aim to develop operator's skills with infrared equipment. The course teaches how to maximise equipment to perform successful inspections. Our experienced trainers provide an overview of all the camera features and how and when these features can be used to carry out effective inspections.

## Building Thermography

### *Thatched roof profile by our man in Amsterdam, Frans Dam*

Due to the continual increased cost of energy across Europe there has been a growing demand for effective and proficient envelope efficiency on domestic properties. One area of particular interest is houses with thatched roofs. A keen knowledge of building physics is required to address issues of poor performance of this type of roof. Building physics is fundamental in assessing and solving issues, but it is also a necessity for creating energy efficient properties. Recent air tightness testing and infrared investigations have provided evidence of the full extent of the energy loss, damage and repair cost that this can occur if thatched roof construction is inefficient, damaged or constructed incorrectly. Both owners and construction companies should be aware of the problems that can arise in regards to energy loss, moisture intrusion and deterioration of the roof when problems arise.

Experience shows that more than 80% of the rotting problems in a thatched roof are the consequences of moisture from the inside of the house. Many factors can influence the durability of roofs. Problems that effect thatched roofs and will lead to a shortened lifespan are:

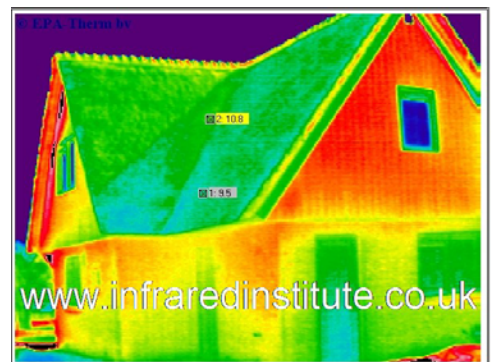
Poor ventilation balance in the property. This can occur if a roof is not an airtight construction or the method of construction results in a faulty build.

Also factors such as steepness (angle) of the roof surface, as well as wind and sun exposure play an important role in determining the condition of a roof.

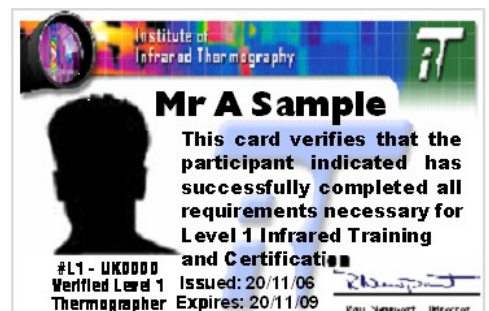
These problems can often be prevented by regular inspections, analysis and maintenance of the roof. A thatched roof has a high aesthetic appeal and can have a significant lifespan if properly maintained. The main advantages of the reed product are aesthetical, but a thatched roof does offer a very high level of insulation. An airtight and screwed thatched roof also has the capability to prevent fire spreading through a construction by reducing the air movement through the house.

## Competition Time

Win, win, win! Its competition time! Every issue as part of the new 'fun stuff' area on our website, IRT will be offering the chance for you to win top prizes. Simply complete the puzzle and receive entry into our prize draw. Prizes are also on offer for best thermal image submitted and for solving the IR challenge. Look out for more details about how to enter competitions in future issues.



*The New IRT wallet cards are available. Here's a sneak preview.*



## Upcoming Events

### Level 1 Certification

|         |           |                 |
|---------|-----------|-----------------|
| 4 – 7   | June      | UK              |
| 11 – 14 | June      | Netherlands     |
| 12 - 15 | June      | Denmark         |
| 19 - 22 | June      | Sweden          |
| 16 – 19 | July      | UK              |
| 10 – 13 | September | Ireland         |
| 10 - 13 | September | Norway, Drammen |
| 24 - 27 | September | Finland         |

### Level 2 Certification

|         |           |             |
|---------|-----------|-------------|
| 21 – 24 | May       | Netherlands |
| 22 - 25 | May       | Sweden      |
| 17 - 20 | September | Ireland     |

### Building Thermography

|            |      |              |
|------------|------|--------------|
| 30 May - 1 | June | Oslo, Norway |
|------------|------|--------------|

### Electrical

|        |      |         |
|--------|------|---------|
| 7 - 8  | June | Denmark |
| 9 - 12 | July | UK      |

### Infrared Basics

|   |      |         |
|---|------|---------|
| 6 | June | Denmark |
|---|------|---------|

| MAY 2007 |    |    |    |    |    |    |
|----------|----|----|----|----|----|----|
| S        | M  | T  | W  | T  | F  | S  |
|          |    | 1  | 2  | 3  | 4  | 5  |
| 6        | 7  | 8  | 9  | 10 | 11 | 12 |
| 13       | 14 | 15 | 16 | 17 | 18 | 19 |
| 20       | 21 | 22 | 23 | 24 | 25 | 26 |
| 27       | 28 | 29 | 30 | 31 |    |    |

| JUNE 2007 |    |    |    |    |    |    |
|-----------|----|----|----|----|----|----|
| S         | M  | T  | W  | T  | F  | S  |
|           |    |    |    |    | 1  | 2  |
| 3         | 4  | 5  | 6  | 7  | 8  | 9  |
| 10        | 11 | 12 | 13 | 14 | 15 | 16 |
| 17        | 18 | 19 | 20 | 21 | 22 | 23 |
| 24        | 25 | 26 | 27 | 28 | 29 | 30 |

| JULY 2007 |    |    |    |    |    |    |
|-----------|----|----|----|----|----|----|
| S         | M  | T  | W  | T  | F  | S  |
| 1         | 2  | 3  | 4  | 5  | 6  | 7  |
| 8         | 9  | 10 | 11 | 12 | 13 | 14 |
| 15        | 16 | 17 | 18 | 19 | 20 | 21 |
| 22        | 23 | 24 | 25 | 26 | 27 | 28 |
| 29        | 30 | 31 |    |    |    |    |

| SEPTEMBER 2007 |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|
| S              | M  | T  | W  | T  | F  | S  |
|                |    |    |    |    |    | 1  |
| 2              | 3  | 4  | 5  | 6  | 7  | 8  |
| 9              | 10 | 11 | 12 | 13 | 14 | 15 |
| 16             | 17 | 18 | 19 | 20 | 21 | 22 |
| 23             | 24 | 25 | 26 | 27 | 28 | 29 |
| 30             |    |    |    |    |    |    |