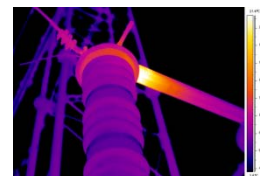
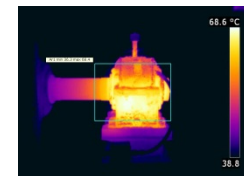
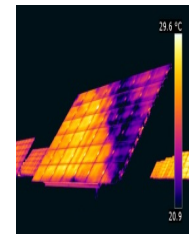
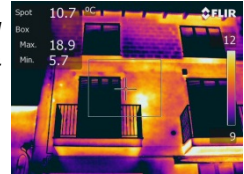


## Thermography Training – course agenda

### Level 2.

- *This course prepares the student for qualification as a category 2 certified thermographer. The participant will learn about topics in infrared thermography to increase the knowledge about infrared physics, heat science, infrared measurement equipment and its application. As a Level 2 thermographer the participant shall provide guidance to category 1 personnel in the areas of equipment selection, techniques, limitations, data analysis, corrective actions and reporting..*
- During the seminar, students shall present a prepared case study to the class. The maximum duration (excl. discussion) should be 7 minutes and the maximum number of 7 slides should not be exceeded.



#### **Day 1**

Welcome to ITC  
Course introduction  
Diagnostic test and evaluation  
(repetition Level 1)  
Student presentations  
Labs  
Emissivity measurements  
Variation of emissivity with the angle

#### **Day 2**

Thermal science  
Heat transfer  
Newton's law of cooling class lab  
Student presentations  
Labs  
Box filled with hot water (transient)  
Thermal energy balance of a cylinder with internal heating

#### **Day 3**

Student presentations  
Infrared Science  
Labs  
IR window transmission  
Slit Response Function  
Hole Response Function  
Parallel circuits

#### **Day 4**

Student presentations  
Equipment  
Labs  
IR window transmission  
Slit Response Function  
Hole Response Function  
Parallel circuits

#### **Day 5**

Lab results presentations by the trainees  
Review  
Exam

#### **Time schedule**

From 8,45 to 17,45  
Lunch break 12,30-13,30  
Coffee breaks – morning and afternoon

- The course duration is 40 hours