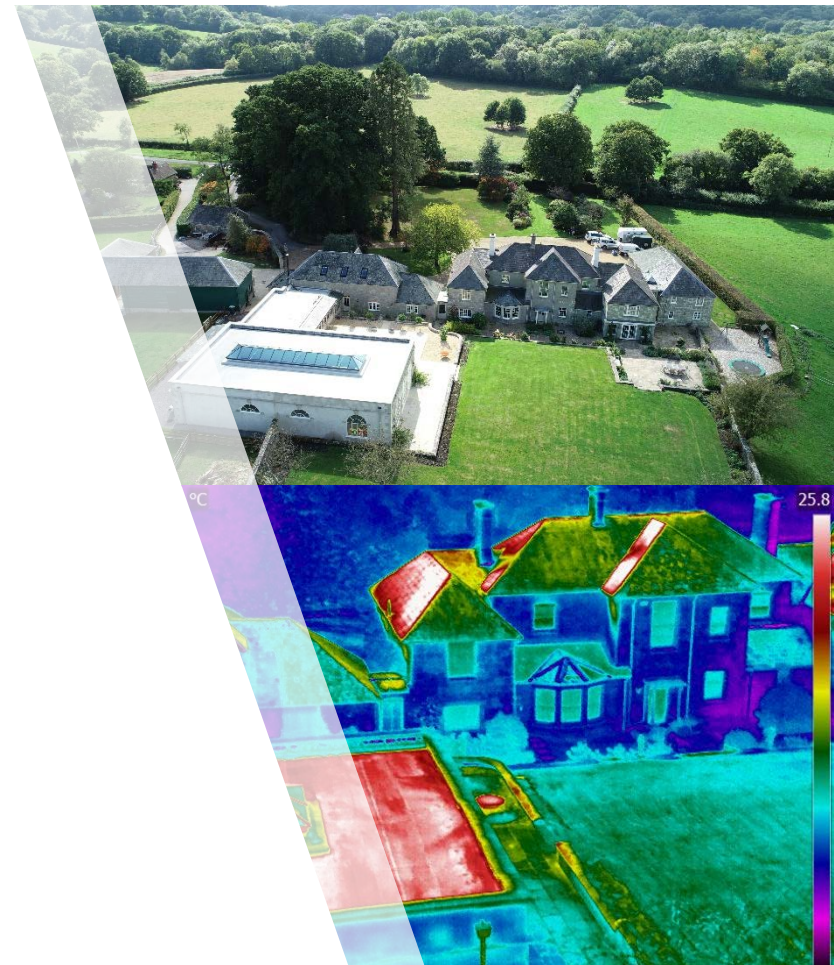


The benefits of thermal and aerial imaging

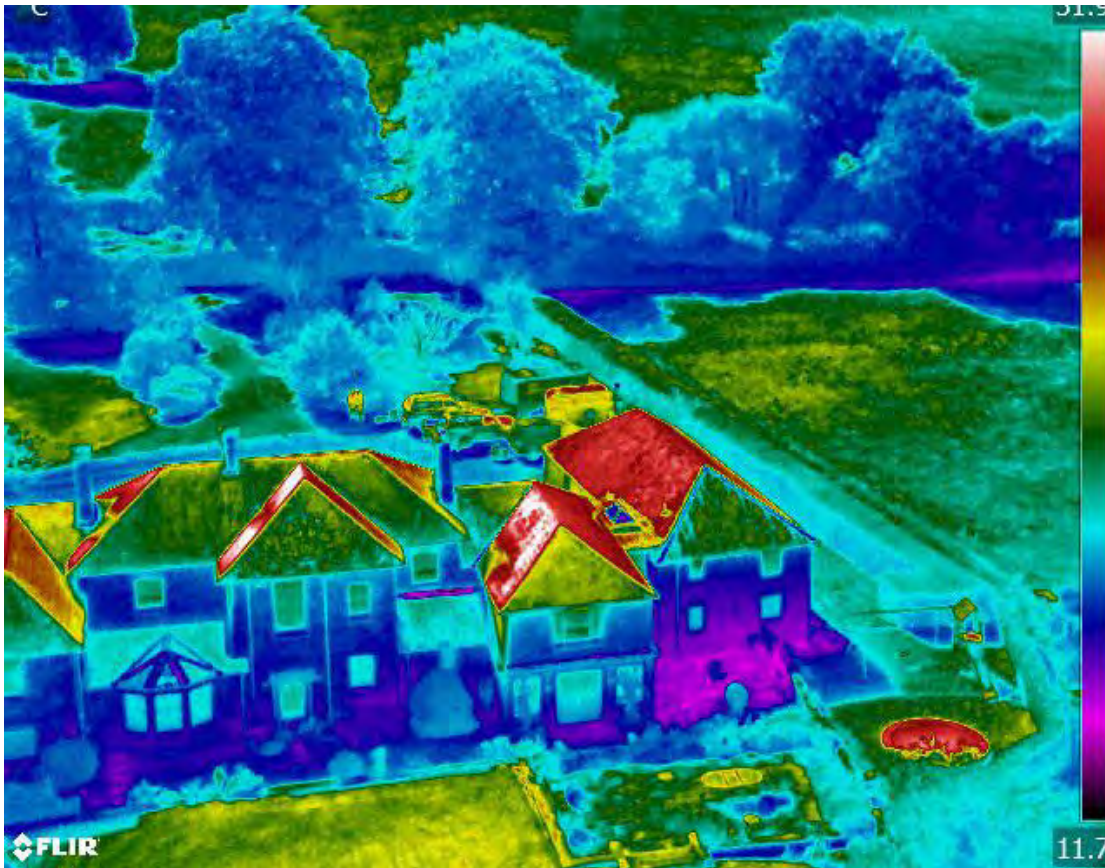
Anthony Walker
(ITC level 3 Thermographer)
& CAA Qualified Drone Pilot
awalker@thermosurvey.co.uk





Contents

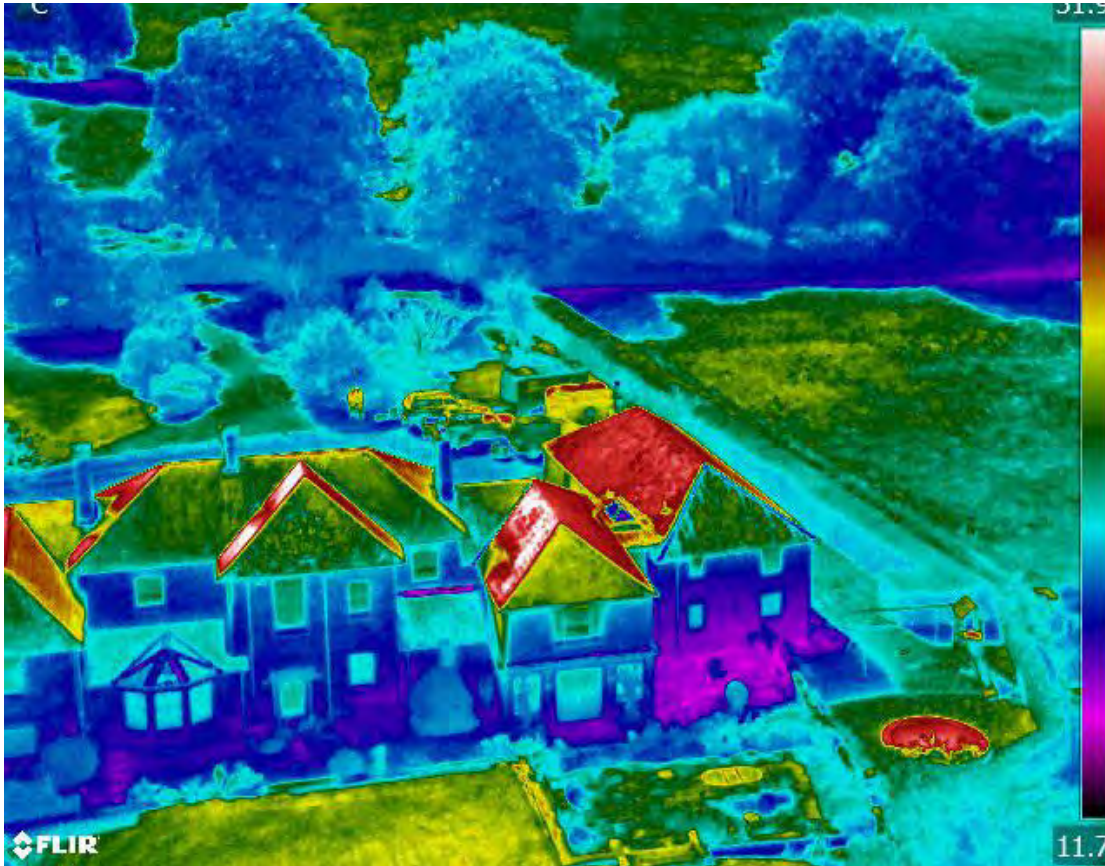
- Insulation and heat loss
- Damp and water ingress
- Structural issues
- Plant and electrical anomalies
- Aerial Thermal imaging for PV farm
- Financial and marketing



Introduction 1

Thermography

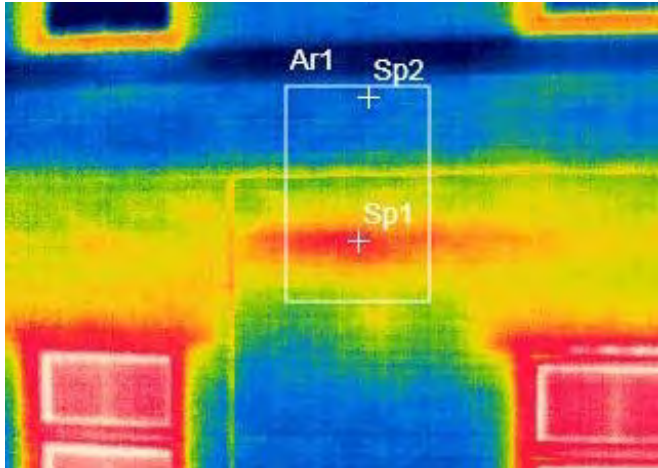
- “The science of acquisition & analysis of thermal information”
- What makes it so useful?
 - Identifies non visible anomalies
 - Non-invasive
 - Access hidden or inaccessible areas
 - Keeps user out of danger (eg with live electricals)
 - Real time & can capture fast-changing thermal patterns



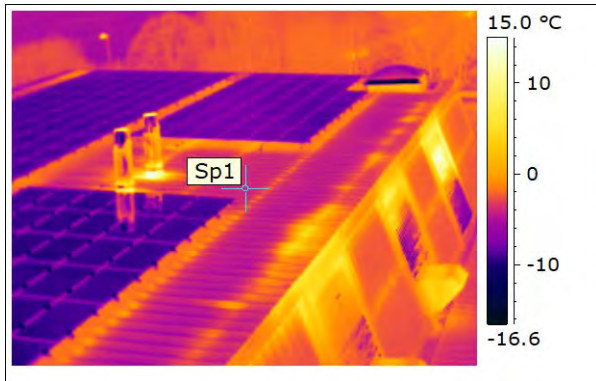
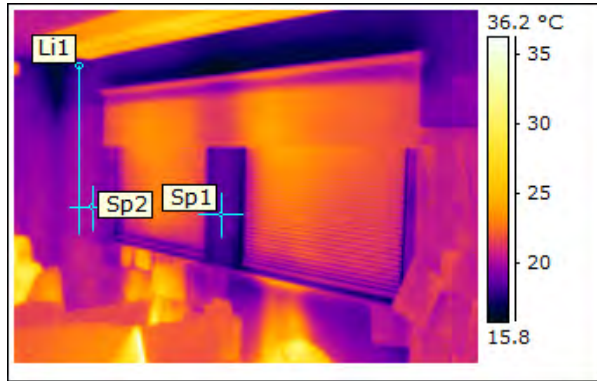
Delivering

- Preventive surveys to detect anomalies early, prioritise & target property maintenance
- Major and minor improvements to energy efficiency
- Contractor QA – spotting hidden defects, substandard work
- Dispute Resolution & Claims Management

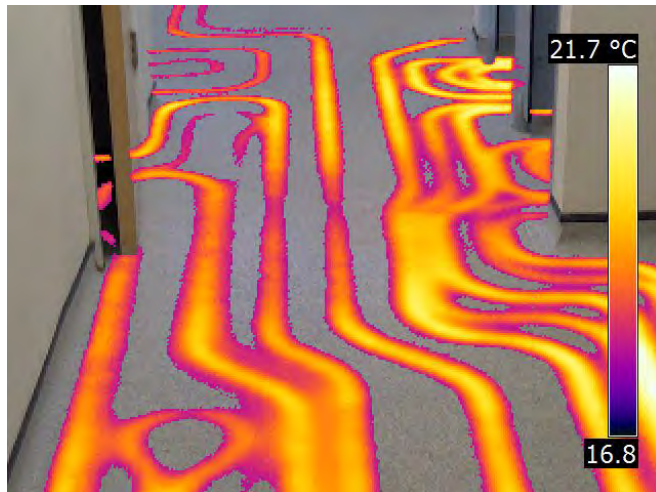
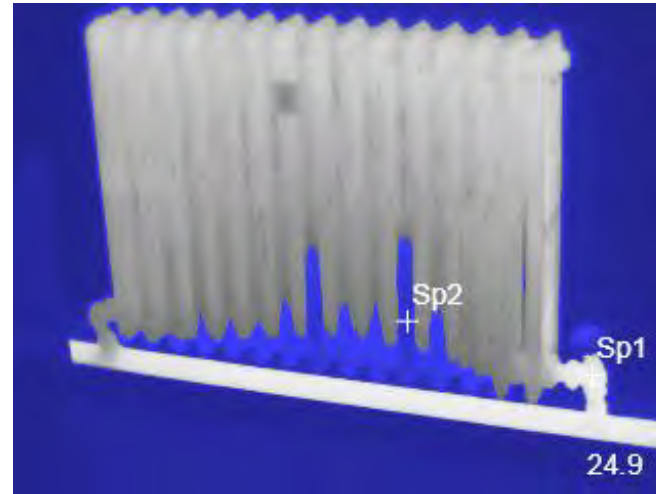
Introduction 2



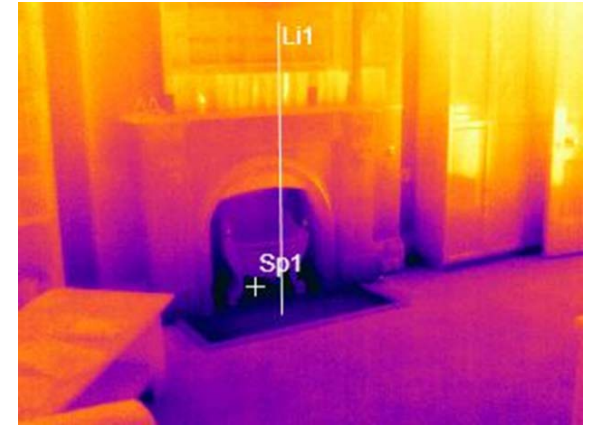
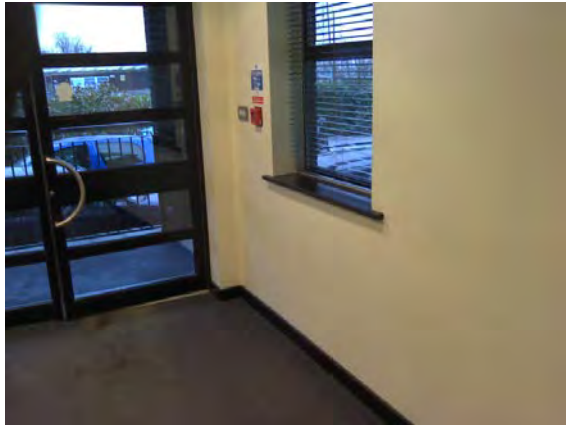
Insulation



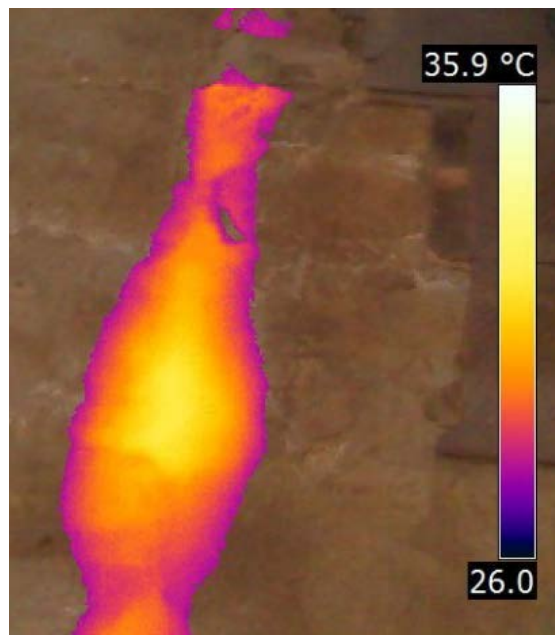
Insulation



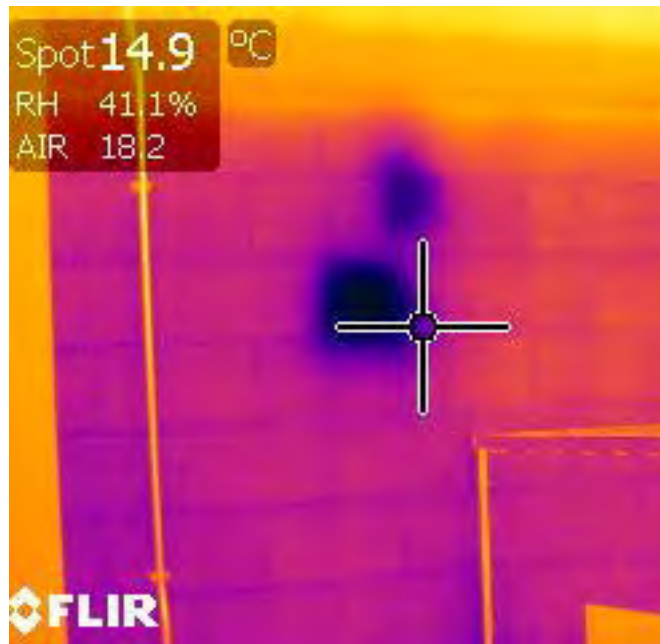
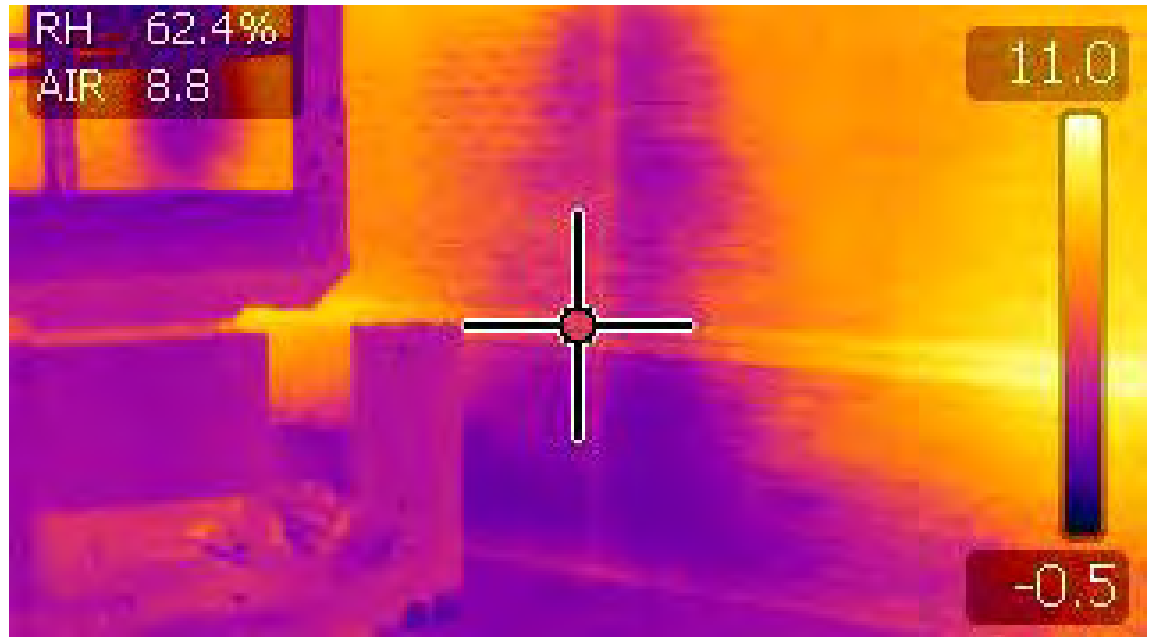
Heating



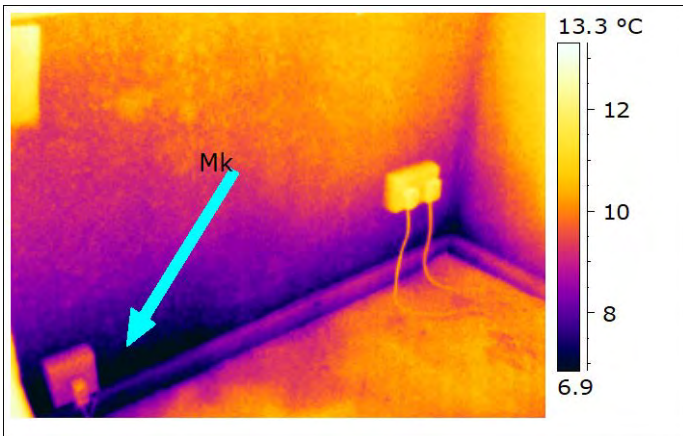
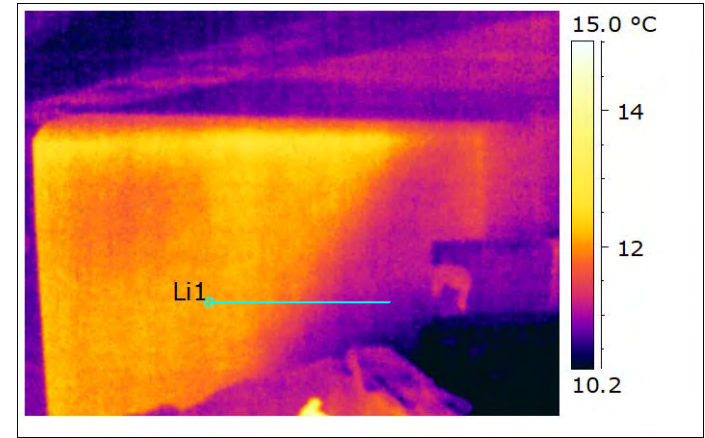
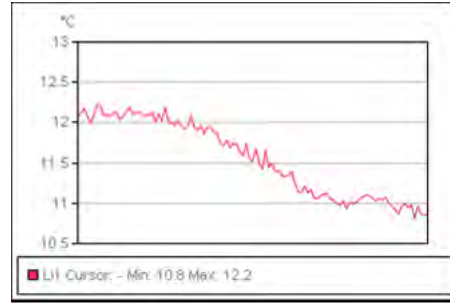
Air movements



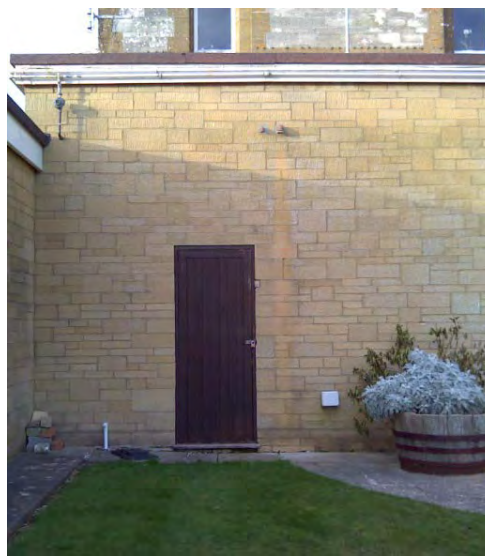
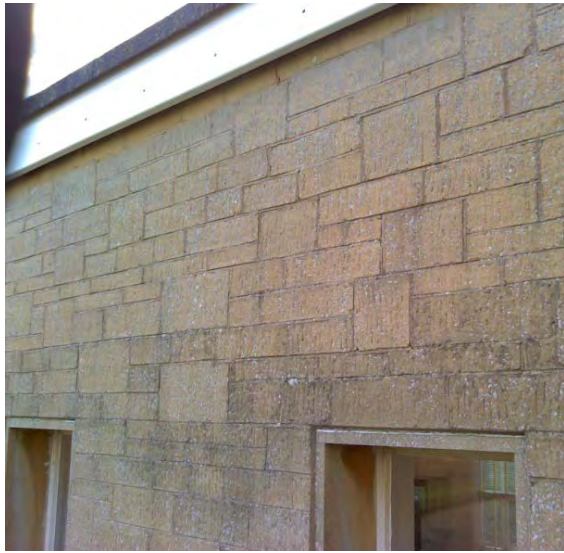
Humidity and damp identification



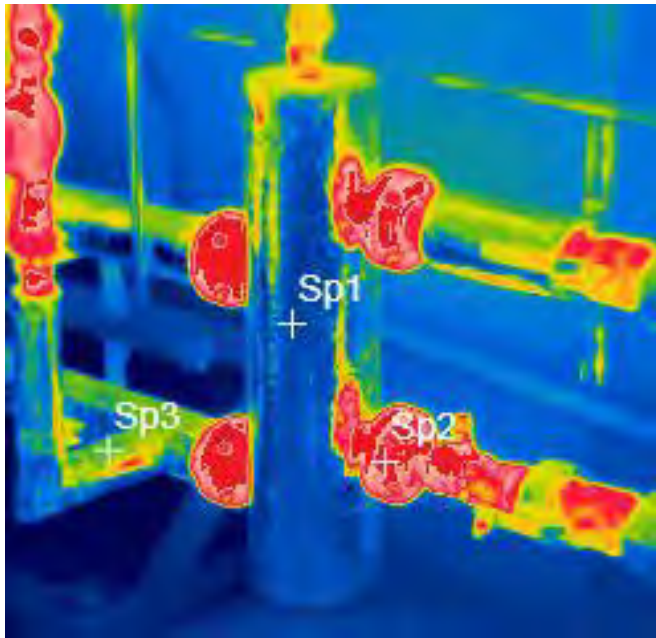
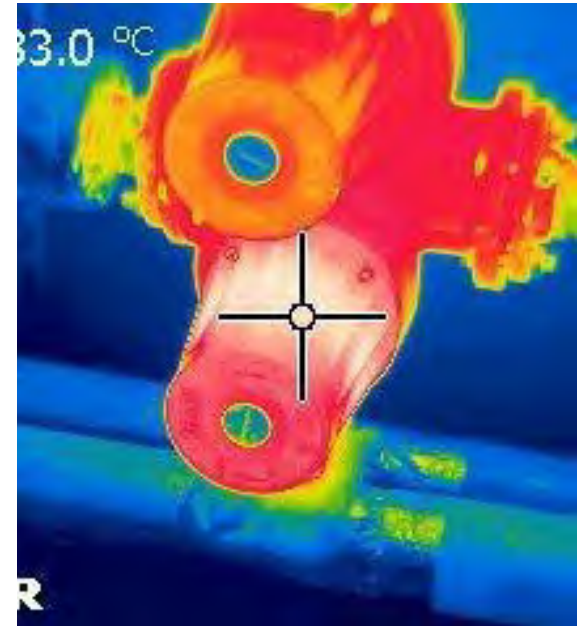
Humidity and damp identification 2



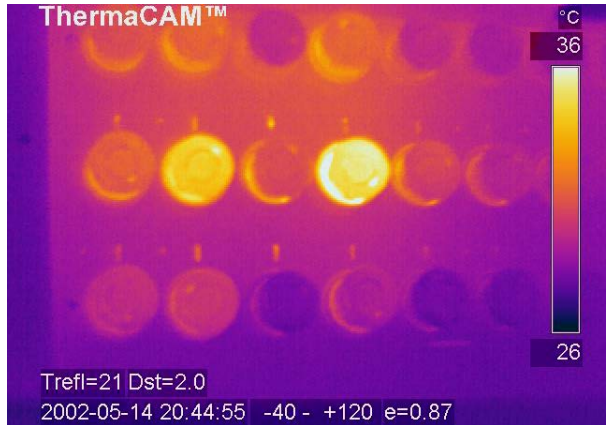
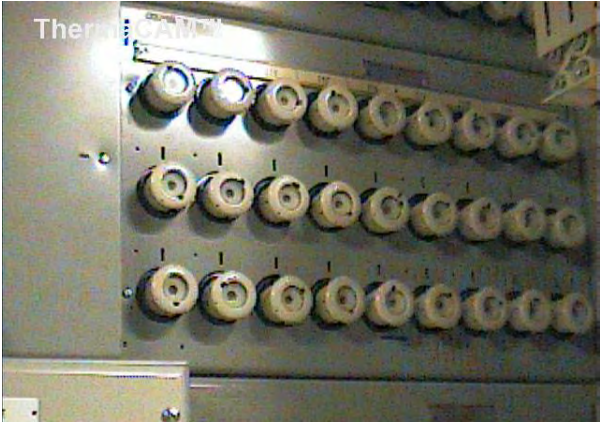
Humidity and damp identification 2



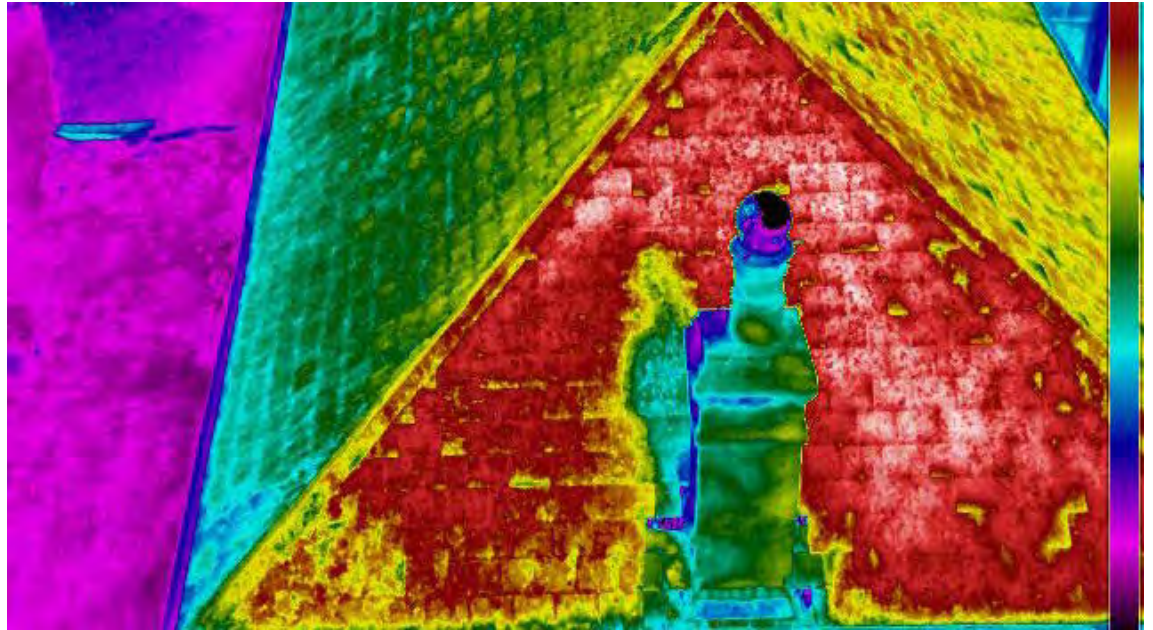
Structure Damage



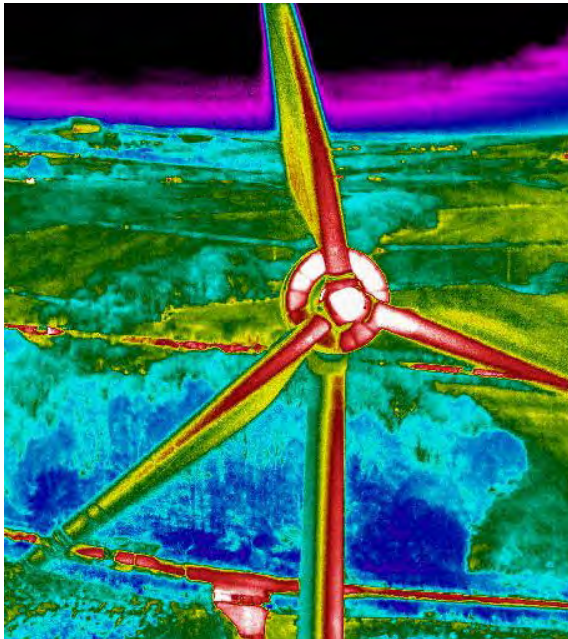
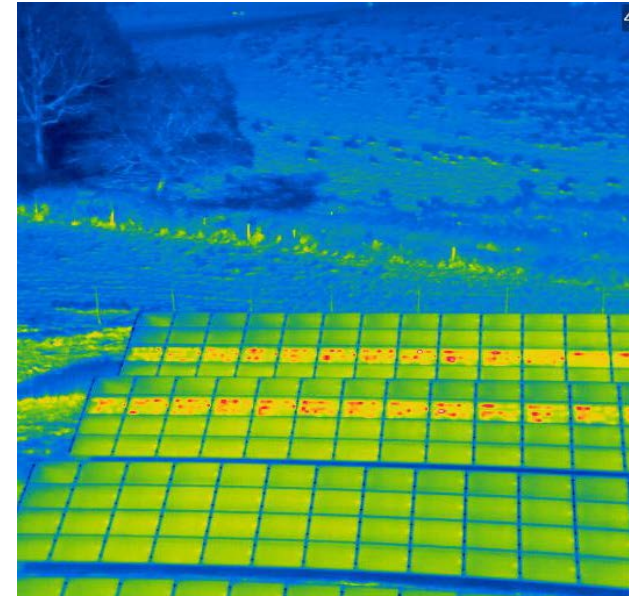
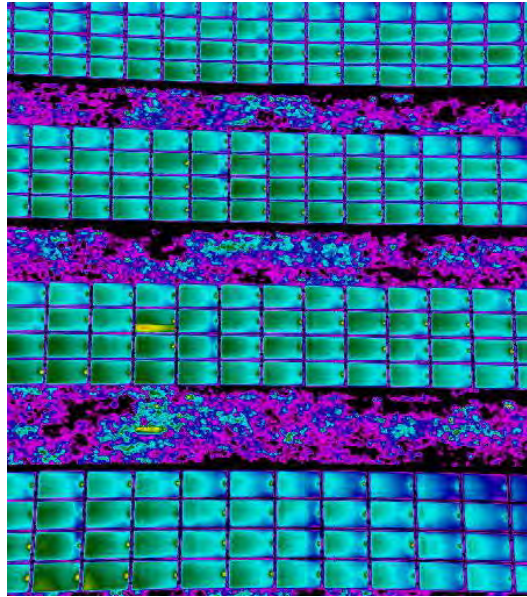
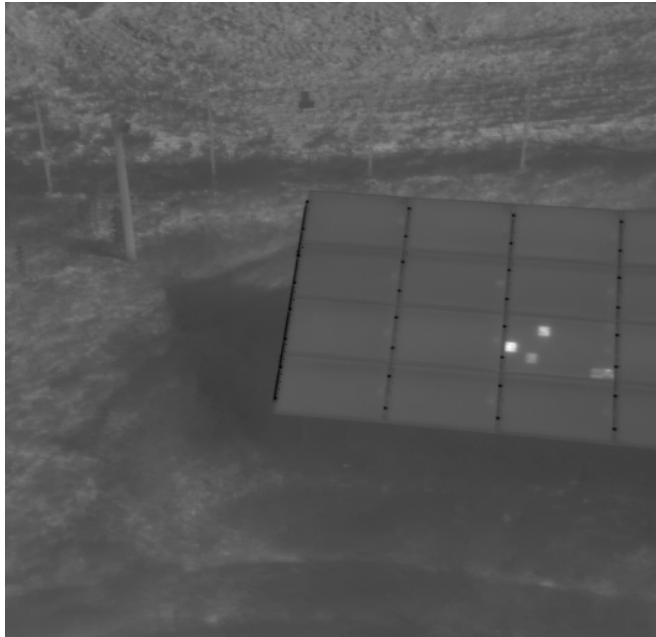
Plant



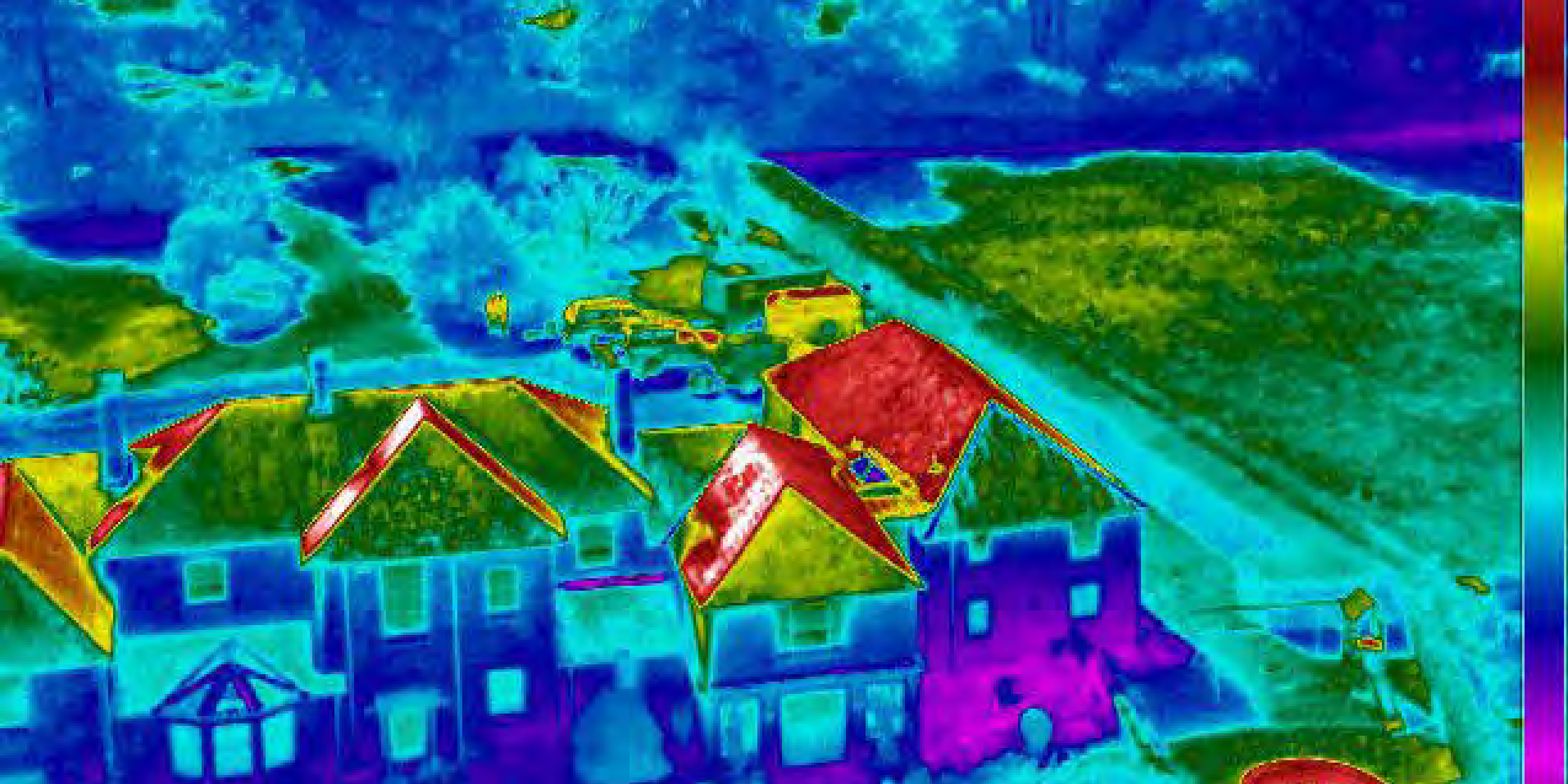
Electrical



Roof inspections



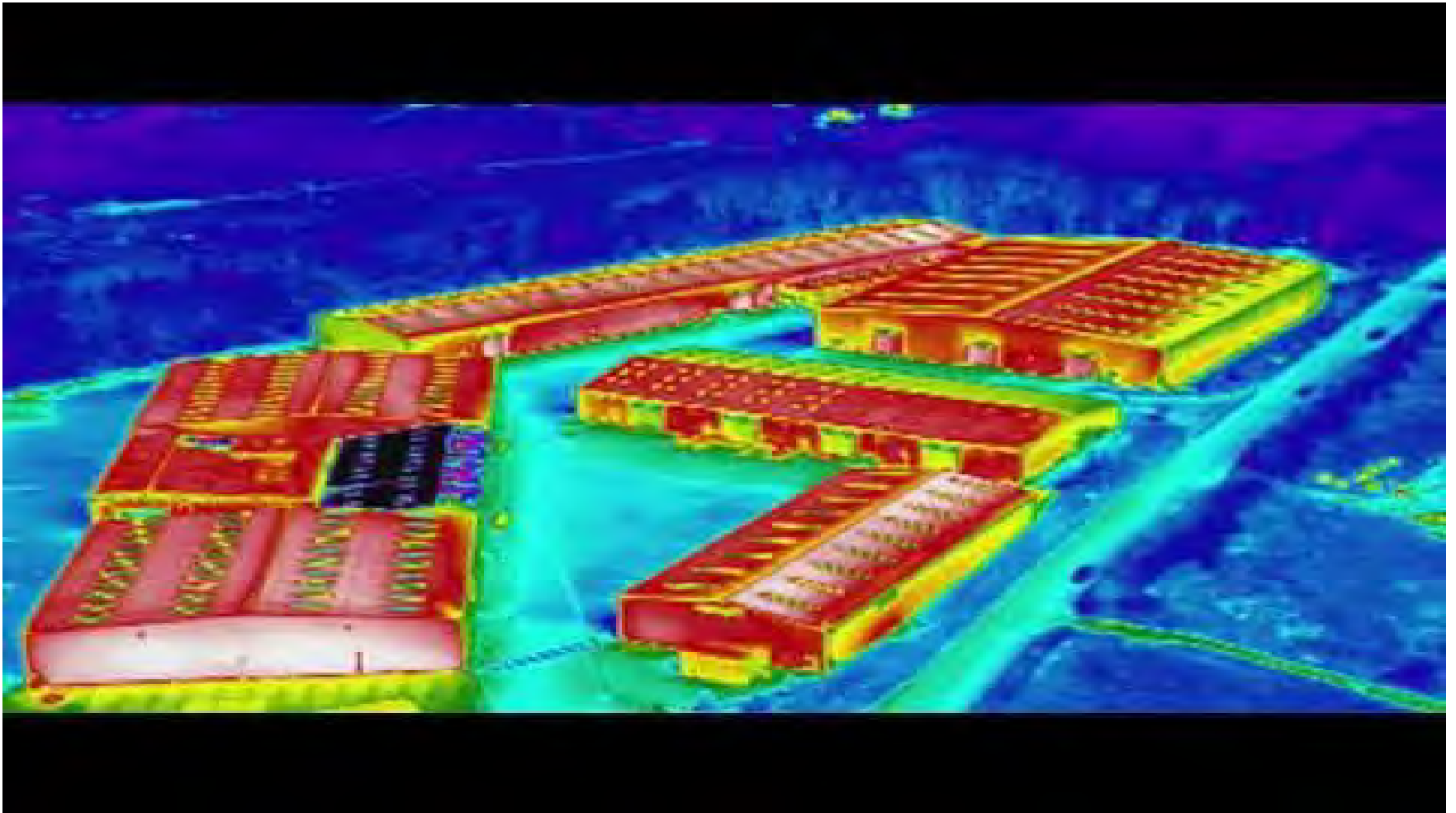
Aerial Thermal
imaging for PV farms



Financial & Marketing

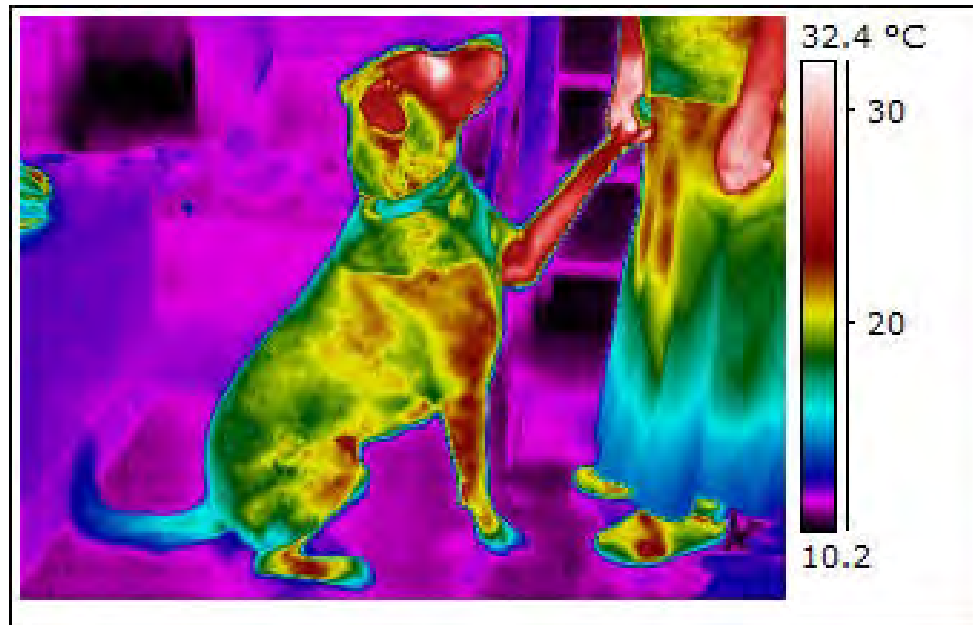
- Early detection due to monitoring
- Risk mitigation on acquisition
- Accurate diagnostics prior to a remedial building works
- Speed of survey
- Good PR

Promotional video for NT



THERMOSURVEY

Thank you



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