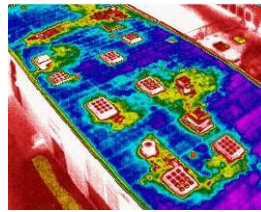
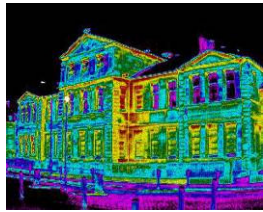


# School Energy and Stock Assessments



Nationwide Coverage  
Call. 01382 228 700

## Project Outline

Arthur McKay Building Services had been awarded a contract for an Energy Efficiency Project for one of the largest councils in Scotland. The remit was to carry out energy efficiency surveys on a large number of schools. Following these surveys, findings and recommendations for improvements in the Mechanical and Electrical and Building Fabric were to be submitted for each individual site.

With a team of 6 surveyors and our elevated imaging mast vehicle, IRT completed the surveying of 90 schools in under 30 days.

All flat roofs and elevations were assessed using infrared thermography. No health and safety issues meant fast, easy access with a minimum of disruption.

Each anomaly found on the schools was assessed using our unique energy quantification software and a cost, CO<sub>2</sub> and kWh value attributed to each. These were then graded in a league table showing the most beneficial refurbishments for each school.

In addition to this each school was graded and listed in order of recommended refurbishment priority.

### Summary :

- 90 schools
- Elevations and Flat roofs
- 30 days for surveying
- All anomalies quantified.
- All schools graded and listed in order of priority.

## Summary of Findings

On average per school:

- Survey time = 5 hrs.
- 15 m<sup>2</sup> of missing insulation identified per elevation.
- 100 m<sup>2</sup> of wet insulation identified per flat roof.
- Energy efficiency measures implemented on every building.



*"We approached IRT Surveys to discuss the initial concept of conducting infrared thermography reports and were very impressed with their professional manner and technical capabilities.*

*IRT Surveys completed the surveys in a timely manner and the quality of their final reports is excellent. These allowed us to highlight areas of concern in the sites and focus our recommendations on energy efficiency in the most cost effective way for our client.*

*IRT have been excellent, from their initial proposals through to mobilisation and realisation of the concept and therefore we would have no hesitation in recommending them."*

Ian Westwater, Arthur McKay

