

KTS provides Heat Transfer Analysis so that you can do more IR, more profitably!

Heat Transfer Analysis will make your IR Thermography efforts

- more effective,
- more efficient, and
- more extensive in scope.

More jobs, less time — more profit.

Use it to:

Analyze how the temperatures that you measure actually occur.

Predict when a system will give you the most favorable and readable temperature signature.

Explain how the temperatures you can measure relate to those that you cannot measure.

Explain how the temperatures that you measure occurred and possibly were caused.

Predict the temperatures for a system under conditions other than those you can measure.

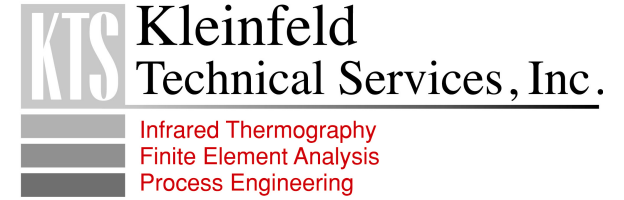
Understand how you should affect a system to maximize your likelihood of a successful IR examination.

Use your IR augmented with Heat Transfer Analysis as part of your

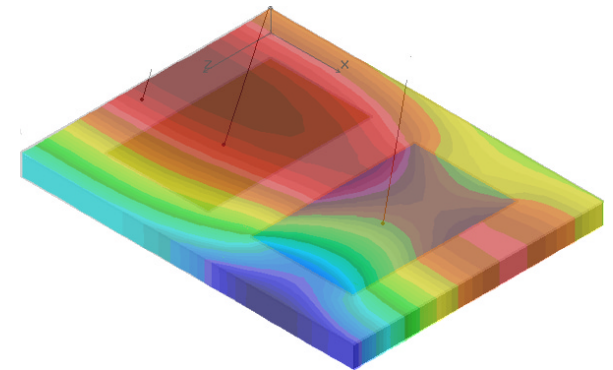
- building work,
- process work,
- product work,
- design efforts, and
- non-destructive testing.

Analyze • Predict • Explain

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Heat Transfer Analysis Services for Thermographers



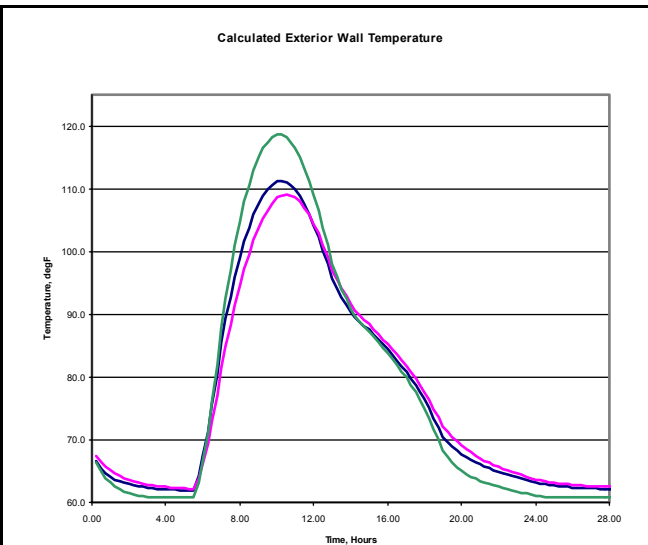
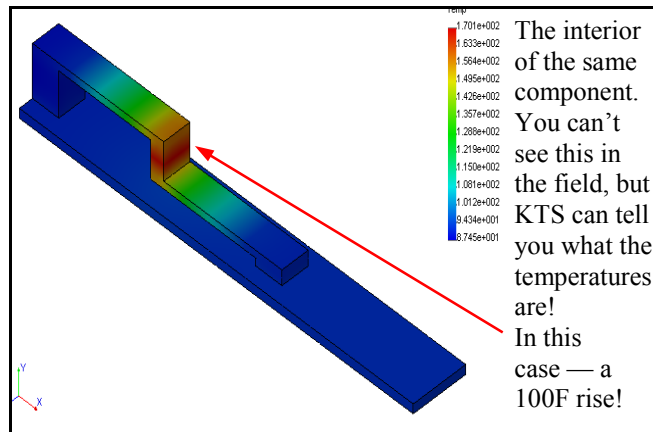
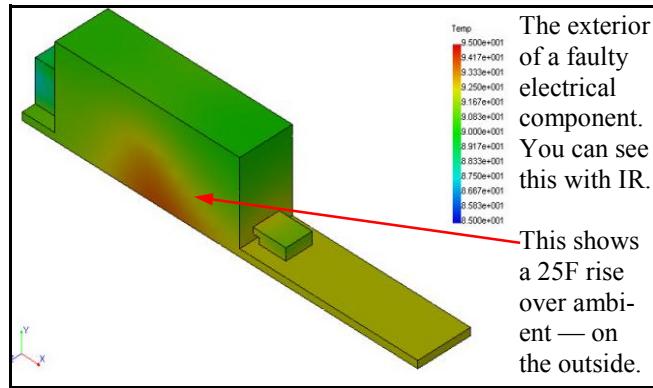
We know IR and do FEASM

Maximize Your Profitability and Your Customer's Satisfaction

Heat Transfer Analysis is a versatile tool with many applications for Thermography

Using it, you can accept more types of jobs and do them better and in less time. You will know when to be on site, what to do to get the results you need, and what your results mean.

These samples are just a few of the ways that analysis can help eliminate your problems.



Calculated Temperature Response of Sound, Wet, and Delaminated Masonry Wall over a 24 hour period.

Would this help you decide what time to look at it? This information can be provided for the season, latitude, and orientation of YOUR project. (This calculation gives excellent agreement to field data.)

We offer heat transfer analysis services based on traditional, finite element analysis (FEA), and computational fluid dynamic (CFD) methods.

**Did you ever:
Wish you could measure a hidden temperature?**

Of course.

Need to predict a temperature for a condition that could not be set up?

Of course.

Spend hours in the field doing trial and error IR until the conditions were right?

Of course.

Turn down a job because there was too much uncertainty in it?

Of course.

Get the expertise you need to overcome these problems. Call Kleinfeld Technical Services now and let us bring you the benefits of Heat Transfer Analysis!

**Contact
Jack M. Kleinfeld, P.E., President
Today
for an initial **FREE** and
confidential consultation.**

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On the cover — predicted temperature profiles of a concrete masonry block wall, overlaid on the wall. It shows excellent agreement with field data.