

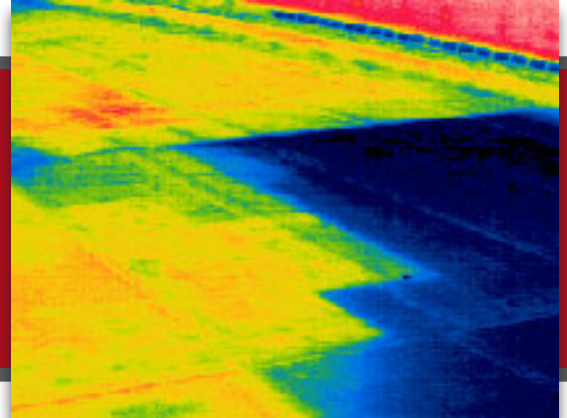


**INFRARED  
PREDICTIVE  
SURVEYS  
INCORPORATED**

*Your Company's Choice When Reliability is Key*

# Flat Roof Inspections

Roof Moisture Detection Services for Commercial/Industrial  
Facilities



## Identifying problems in Flat Roof Systems

Whether apparent or concealed, roof problems are always trouble and can result in a significant expense. While there may be a number of factors contributing to the cause, it has long been understood that entrapped moisture will ultimately destroy a roof system.

Left unattended, moisture intrusion into a roof system will cause the roof membrane and insulation to rot. It decreases the thermal efficiency of the insulation, which will increase heating or cooling costs of the building. Water also dangerously increases the weight load of the roof and can lead to structural deterioration and safety concerns for personnel.

Proper identification to the defects will help determine the influences that are contributing to the deterioration, the repair needed and the proper repair material to be selected. It will also help managers prioritize repairs according to the significance of the problem, time constraints and budget limitations.

## Using a multi-faceted approach

At Infrared Predictive Surveys, Inc. (IPSI), we take a multi-faceted approach to your flat roof inspection needs. A field survey would be conducted to evaluate the condition of the roof to be inspected.

The scope of a typical roof survey would include interviews with the customer, visual observations, photographic documentation, and field testing using a combination of nondestructive and destructive techniques including:

- Infrared Thermography
- Tramex Dec Scanner
- Electric Capacitance/Impedance
- Nuclear Backscatter
- Moisture Verification (Core Cuts)

We complete the survey with an analysis and evaluation of the roof and provide a report of findings regarding the roof conditions at the time of the survey.

## IPSI Capabilities

In addition to infrared thermography for electrical, mechanical, refractory, steam systems and other applications, our project experience includes all elements for the building envelope including: roofing, air barriers, and Exterior Insulated Finish Systems (EIFS).

Our thermographers are trained in accordance with ASNT Recommended Practice SNT-TC-1A for Level 1, Level 2 and Level 3 in Infrared Thermography. They also bring more than 15 years experience in construction related industries, roofing, high voltage and IR program implementation and development.

## Contact

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## Additional Locations

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Email: [info@infraredpsi.com](mailto:info@infraredpsi.com)

**Infrared Predictive Surveys, Inc.**  
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