

JUST ONE THING

Title: Watching Heat Rise

Company/Organization: Resilient Buildings Group, Inc.

Type of Organization: For profit

Number of Employees: <100

Category: Environment

Challenge or Opportunity: When performing energy audits we use our hand held thermal camera to see where walls and ceilings are cold due to lack of insulation. It is difficult on large commercial structures or high-rise apartments to see the big picture and a full analysis.

Approach or Solution: We purchased a \$13,000 drone with a thermal camera and one of the employees got there FAA license.

Impact: Now, when we do energy audits, we use the drone to fly over and around the building(s) and take a video with the thermal camera. We are now able to identify heat loss from under insulated walls and roofs. We can also identify areas of heat loss from penetrations such as poorly installed windows and poorly sealed exterior doors that can not be seen with the eye. The still photos are now part of our audit report.