

FOR IMMEDIATE RELEASE  
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## AITSCAN SEES MOISTURE “INSIDE” COMMERCIAL ROOFING SYSTEMS

Greensboro, NC--Stockton Infrared Thermographic Services, Inc.'s AITscan division, the USA's leading expert in aerial thermographic scanning of ground objects, announces Roof Moisture FindIR™ Service. This time and cost saving service helps commercial and industrial roof owners find moisture contamination *inside* flat and low-slope roofs. By combining the use of military-type high-resolution infrared equipment and the skills of ex-military pilots who specialize in "low and slow" night flying, AITscan's thermographers show stark comparisons of wet and dry areas in roofing systems. Current or prospective industrial and commercial building owners are immediately able to know if moisture exists inside the roof and to what extent it exists. Obviously, the condition of the roof greatly affects the value, maintenance budget and marketability of any given property.

Traditionally, roofs are examined by a team standing on the roof, taking multiple, short shots, which later have to be spliced together in order to show the condition of the whole roof. Often, a series of building roofs is involved, requiring this onerous "connect the dots" process to complete the analysis. These multiple shots of multiple buildings can become confusing and expensive and often miss areas of importance, wet or dry. "Efficient and effective roof examination demands high quality imagery from a high angle view," says AITscan's director of operations, Greg Stockton. Nighttime flying gives the advantage of the absence of reflections from the sun, lower wind speeds and less air traffic to contend with. Because the infrared cameras take images from a high angle, large areas are captured in one image allowing for the accurate marking of areas of suspect roof moisture contamination on CAD drawings, which are later used to make surgical repairs. Many roofs can be examined in one night of flying and videotape is available to the owner as early as the next morning.

Keep in mind that infrared images of a roof are only signatures of heat; there can be many causes of heat (or apparent heat) on a roof. A roofing consultant must verify all infrared data and analysis, using it as an aid in visual, destructive and non-destructive testing of the roof in question, much as a doctor uses information from an MRI to determine possible problems with a patient. Even roofs scheduled for replacement can benefit from aerial infrared scans. Often the owner believes the roof is completely beyond repair when in fact, only a small percentage is wet. "We scanned a roof last year that was scheduled to be replaced that month. After the owner saw he only had 4.7% wet, he had only the wet insulation removed, and saved \$80,000", said Mr. Stockton.

Stockton Infrared's 15 years of experience and technical expertise with both ground-based and aerial infrared thermographic technology has made them the industry leader. The AITscan division manages nine aircraft with on-board high-resolution infrared systems and trained crews positioned around the USA. They have been innovating aerial thermographic surveying since 1994, by developing new uses for this technology; like inspecting underground steam lines to find leaks, high voltage utility transmission lines to find hot spots, counting deer from the air at night and flying down creeks looking for polluters.

Contact AITscan directly by calling (800) AIT-SCAN or visit their informative website at <http://www.AITSCAN.com/>. View aerial thermographic images, download technical presentations, request literature or request a quotation for a survey.