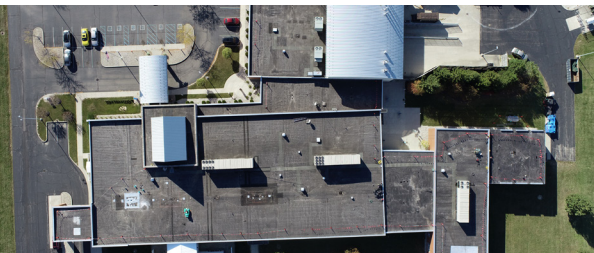


SkyBEAM



COLLECT AND ANALYZE BUILDING DATA FROM YOUR ROOFS AND FACADES QUICKLY, THOROUGHLY AND COST EFFECTIVELY.



Are your roofs and facades in good shape, or damaged by problems like ponding water; holes, gaps and cracks; torn membranes; soaked insulation; spalling concrete. Are they airtight, or leaking energy? Are they safe? Are you sure?

You need to really know their condition to plan well. But mapping roofs and facades, difficult at best, is prohibitive if your buildings are hundreds of feet tall, cover acres or are part of a campus. There was no good way to do this until now.

Until SkyBEAM™ from Tremco Roofing and Building Maintenance.



THE FUTURE OF FACILITY MAPPING TAKES OFF

The groundbreaking SkyBEAM (Building Envelope Asset Mapping) system is an unmanned aerial vehicle (UAV) with interchangeable, high-resolution still and infrared (IR, or thermal) cameras that help our customers understand the exact condition of their facilities before any work begins, and afterwards to ensure that the project was properly completed.

SkyBEAM gathers building data quickly, thoroughly and safely. One of our tens of thousands of licensed* UAV pilots in the US and Canada will program SkyBEAM to fly to a specific height, do the mapping and return. SkyBEAM can map tall buildings without scaffolding, identifying problems that would have been virtually impossible to find before. It can map buildings with millions of square feet of roofing in a few hours, yet is cost effective enough to use with much smaller facilities.

PINPOINTING BUILDING ENERGY ISSUES

SkyBEAM's infrared camera detects heat variations around the roof, which often result from wet insulation retaining heat longer than dry insulation. These variations usually mean that the building is losing energy.

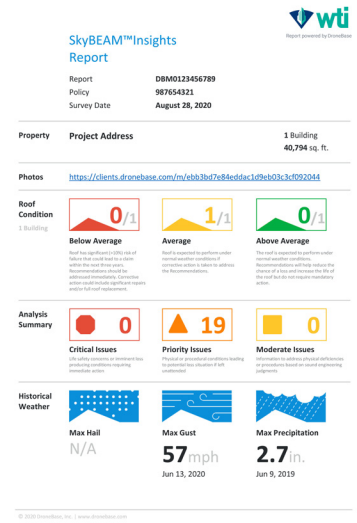
Thermal mapping is most effective at night when the sun is not heating the building. The SkyBEAM pilot flies the roof in a programmed pattern, taking numerous thermal photographs that are combined into a single large image (an orthomosaic) showing the location of irregularities that require verification. Technicians can then safely verify these areas during the day for removal, replacement or further analysis. Nobody sets foot on the roof in the dark to map it.



EXCEPTIONAL REPORTING CLEARLY SHOWS THE BUILDING'S CONDITION

SkyBEAM's detailed reporting separates it from other UAV systems and is one of its great benefits, providing you with actionable data to use in your building decisions. The report offerings include:

- || SkyBEAM Birdseye: Detailed high-resolution photos taken from straight above the roof show its condition before and after a project.
- || SkyBEAM Insights: Detailed high-resolution photos and an analysis of any damage or areas of concern, exact roof measurements and an orthomosaic image. You can add an optional 3D model.
- || SkyBEAM Exterior: Exterior photographs and an interactive 3D model show the façade's condition.
- || SkyBEAM IR: Roof thermal images are compiled into a comprehensive, interactive, easy to understand report that clearly and accurately shows problem areas.
- || All data resides in our OLI™ OnLine Information system for easy access.



NOTHING ELSE IS LIKE SKYBEAM.



SkyBEAM gives you accurate visual evidence about your buildings' condition, especially difficult-to-map areas. It will help improve your facility maintenance planning and budgeting, is the safest way to conduct nighttime thermal mapping, and helps technicians maximize their time as they easily locate and repair rooftop damage.

With tens of thousands of licensed pilots, the use of artificial intelligence to capture a wide range of information about your facility assets and provide you with detailed reports, and a history that includes being the first FAA-approved UAV for nighttime commercial use, SkyBEAM is one more example of how Tremco Roofing's innovations help our customers.

*All SkyBEAM pilots are Part 107 licensed through the FAA, vetted and onboarded; they receive shot list-specific training before every project