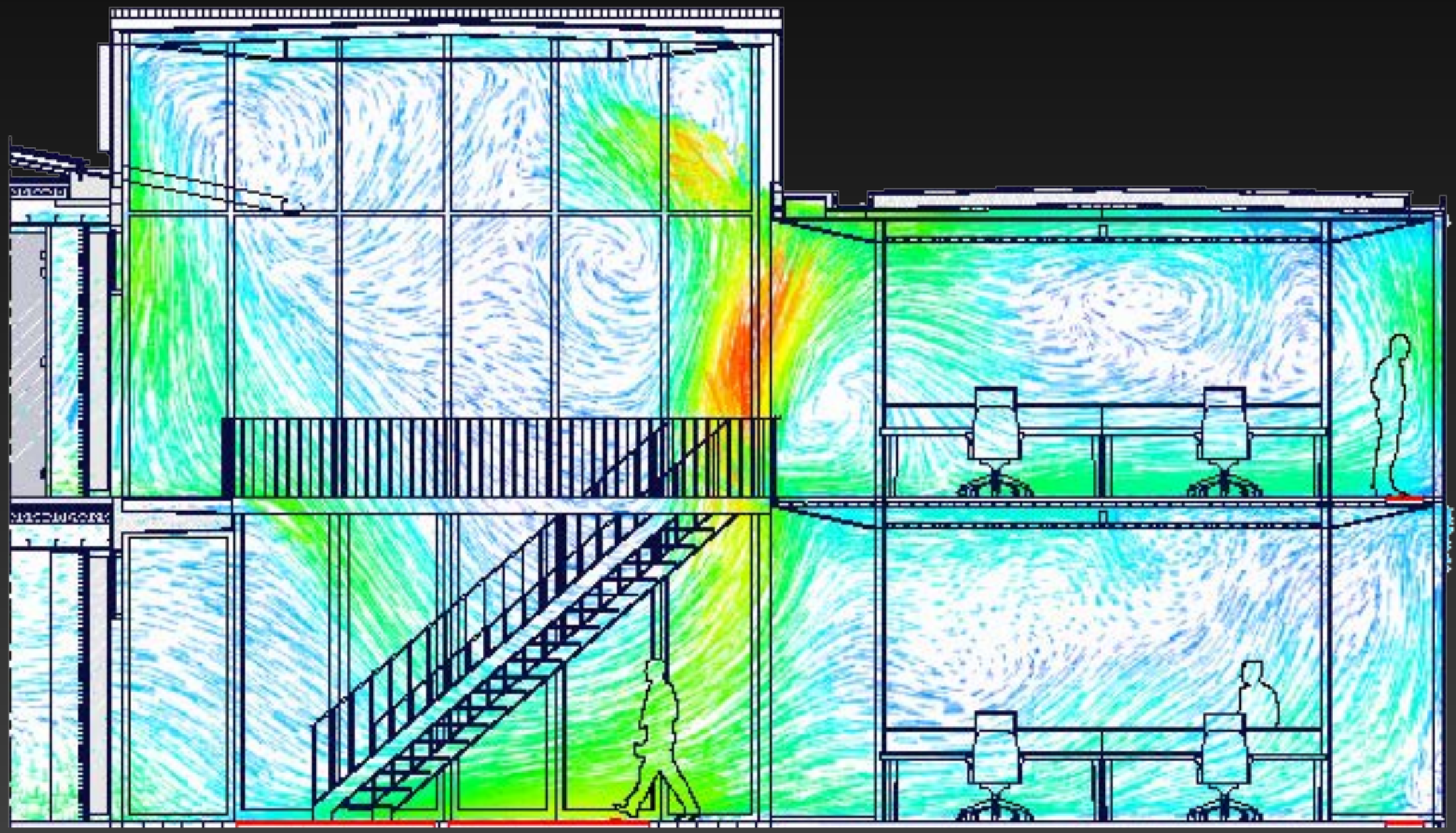
DetectionTek

Technology Overview

You can’t manage what you don’t measure

InstaScope™ is a new technology that allows you to see what's going on in a property by testing the air that flows through every room.

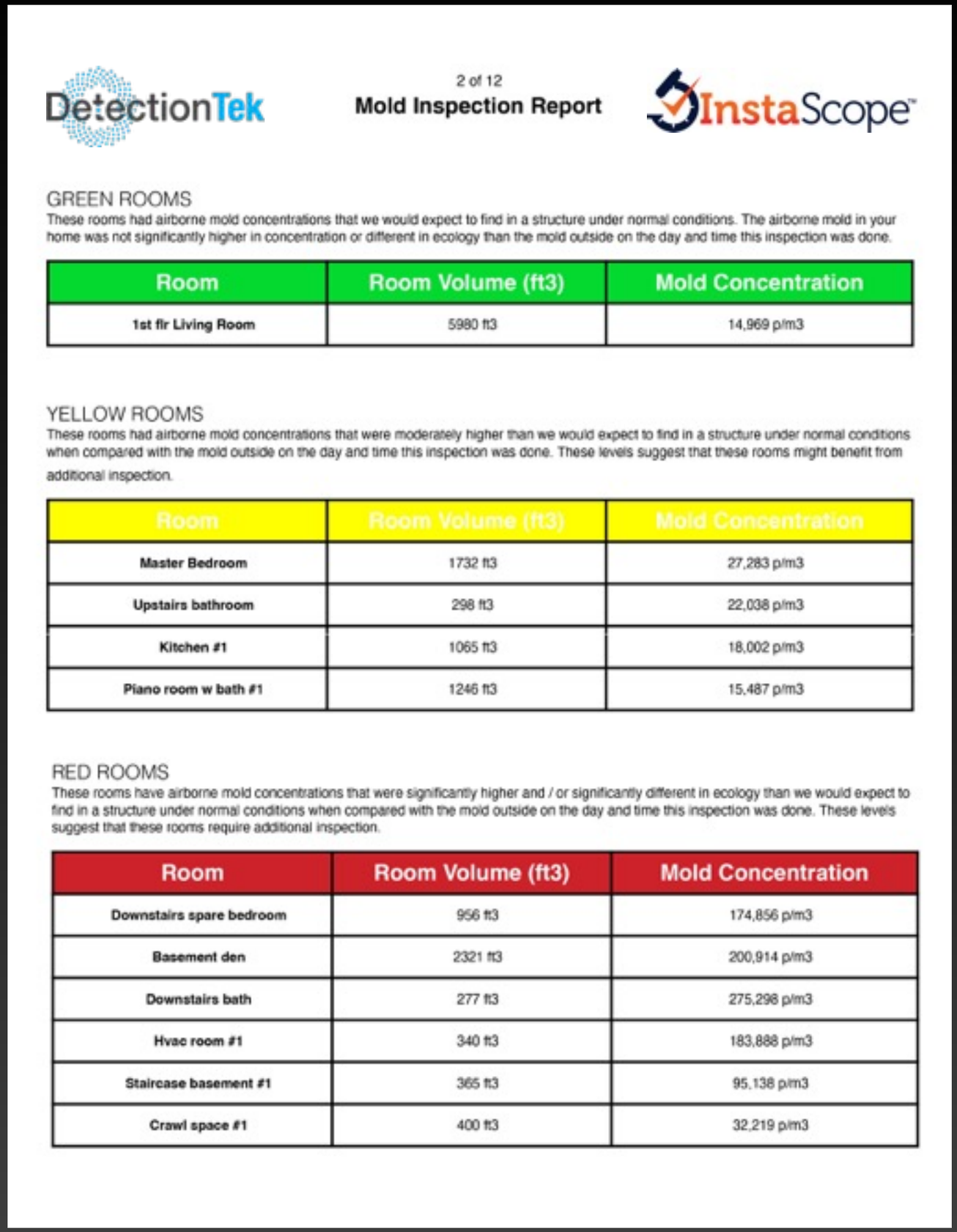


Air flows through a building like blood flows through the body. InstaScope™ is an “Instant Microscope” designed to analyze the air in a building for the same reasons medical labs analyze blood tests to understand health issues.

The particles in the air carry data about each room of a building. InstaScope™ measures and analyzes these particles to produce “exposure conditions” that turn this hidden data into actionable information. These conditions are color-coded green, yellow, or red based on their severity.

InstaScope™ delivers real-time measurements of indoor air quality including airborne mold, biological particles, and airborne bacteria that are unique in their speed and accuracy.

Water intrusion, mold growth, HVAC issues, and more are evidenced in the air long before the damage becomes visible to the occupant. InstaScope™ tells technicians when AND where to take a deeper look and catch these issues before they become apparent to the occupant.



DetectionTek

Mold Inspection Report

InstaScope™

GREEN ROOMS

These rooms had airborne mold concentrations that we would expect to find in a structure under normal conditions. The airborne mold in your home was not significantly higher in concentration or different in ecology than the mold outside on the day and time this inspection was done.

Room	Room Volume (ft3)	Mold Concentration
1st flr Living Room	5980 ft3	14,969 p/m3

YELLOW ROOMS

These rooms had airborne mold concentrations that were moderately higher than we would expect to find in a structure under normal conditions when compared with the mold outside on the day and time this inspection was done. These levels suggest that these rooms might benefit from additional inspection.

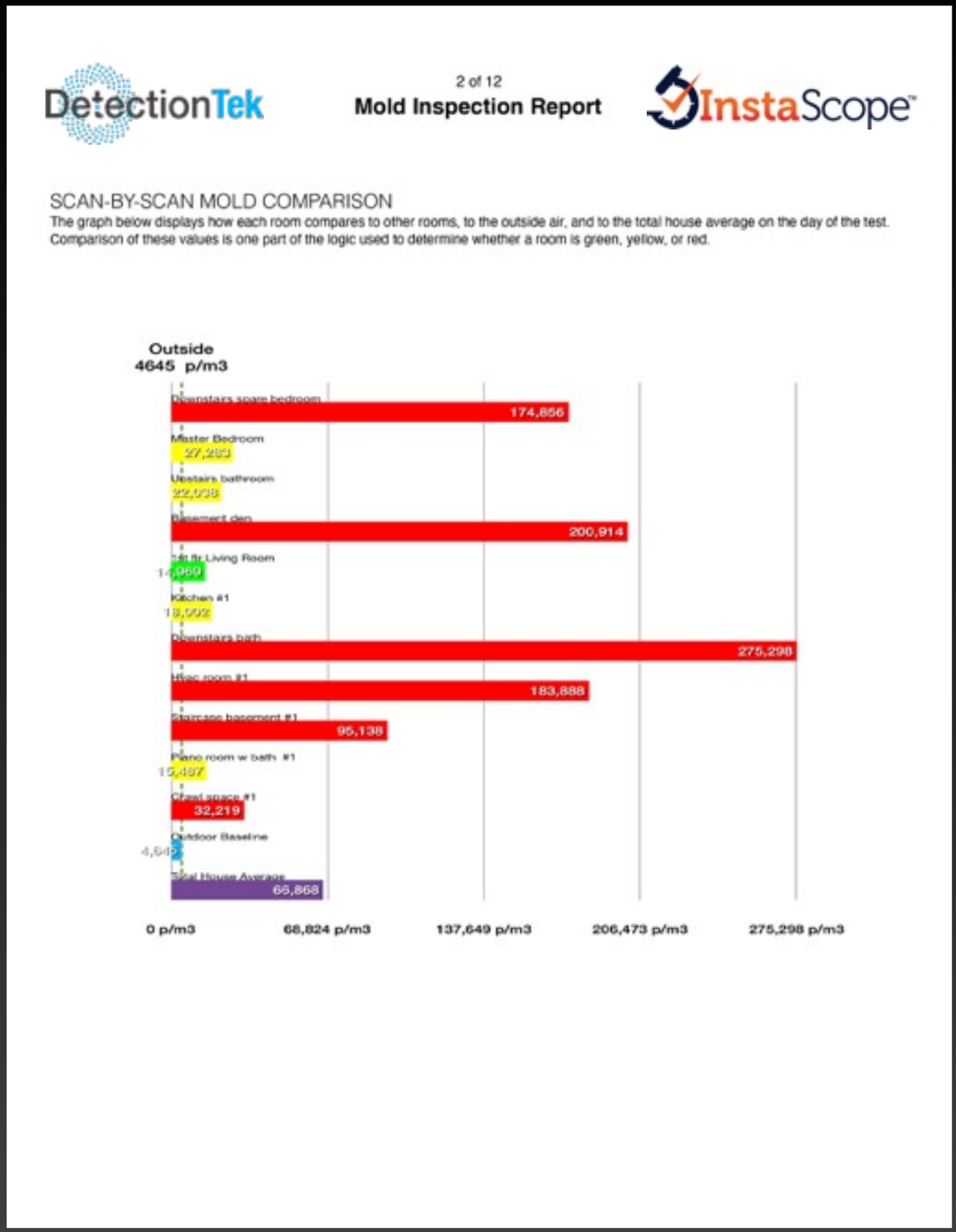
Room	Room Volume (ft3)	Mold Concentration
Master Bedroom	1732 ft3	27,283 p/m3
Upstairs bathroom	298 ft3	22,038 p/m3
Kitchen #1	1065 ft3	18,002 p/m3
Piano room w bath #1	1246 ft3	15,487 p/m3

RED ROOMS

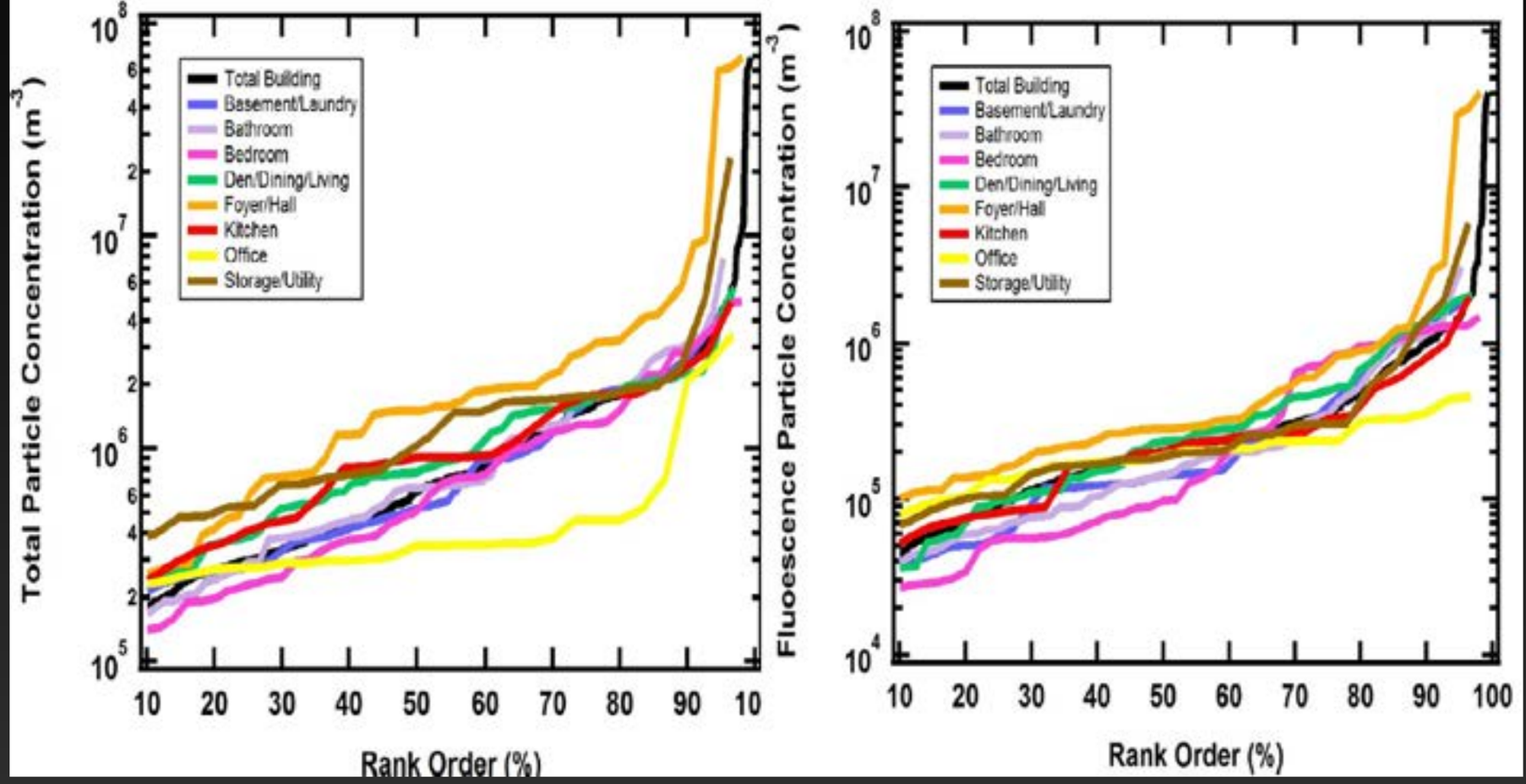
These rooms have airborne mold concentrations that were significantly higher and / or significantly different in ecology than we would expect to find in a structure under normal conditions when compared with the mold outside on the day and time this inspection was done. These levels suggest that these rooms require additional inspection.

Room	Room Volume (ft3)	Mold Concentration
Downstairs spare bedroom	956 ft3	174,856 p/m3
Basement den	2321 ft3	200,914 p/m3
Downstairs bath	277 ft3	275,296 p/m3
Hvac room #1	340 ft3	183,888 p/m3
Staircase basement #1	365 ft3	95,138 p/m3
Crawl space #1	400 ft3	32,219 p/m3

Room-By-Room sampling with InstaScope™ delivers the information a property owner needs to take targeted action to manage specific areas of concern. No other method can deliver this targeted information without prohibitive cost and time overhead.

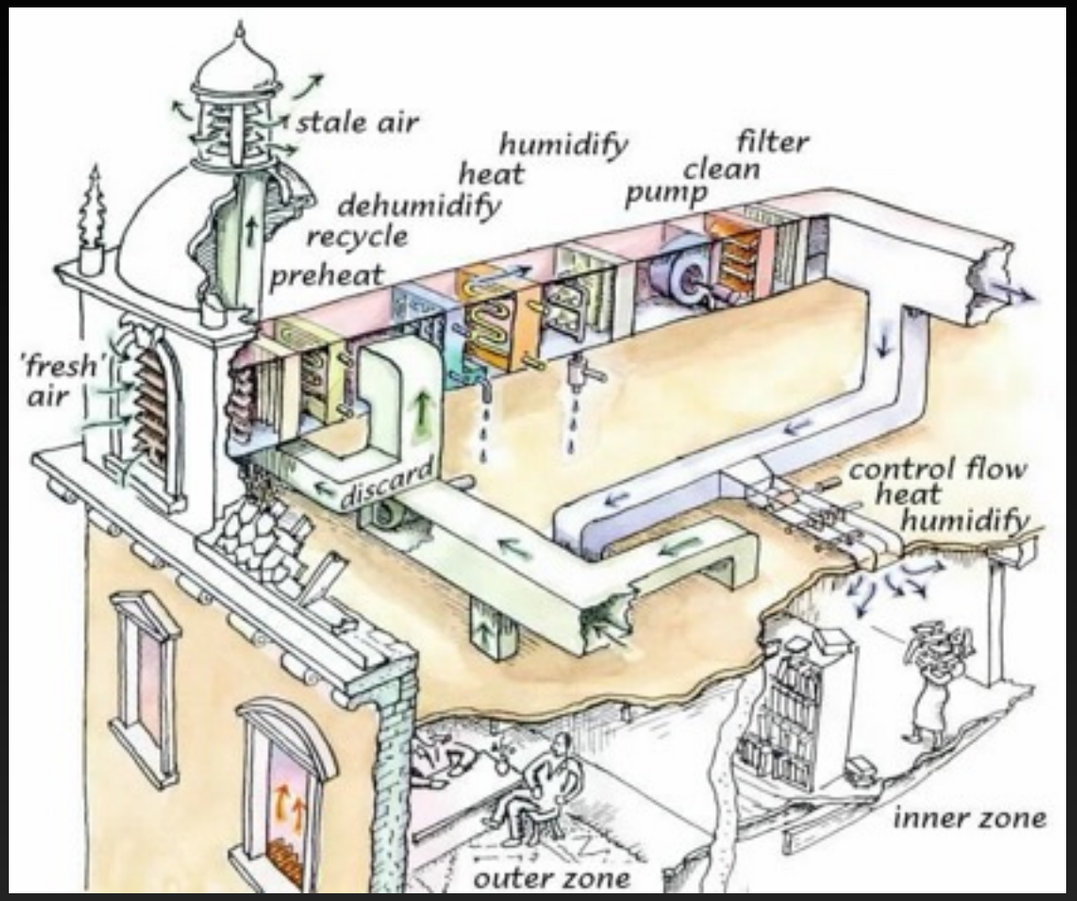


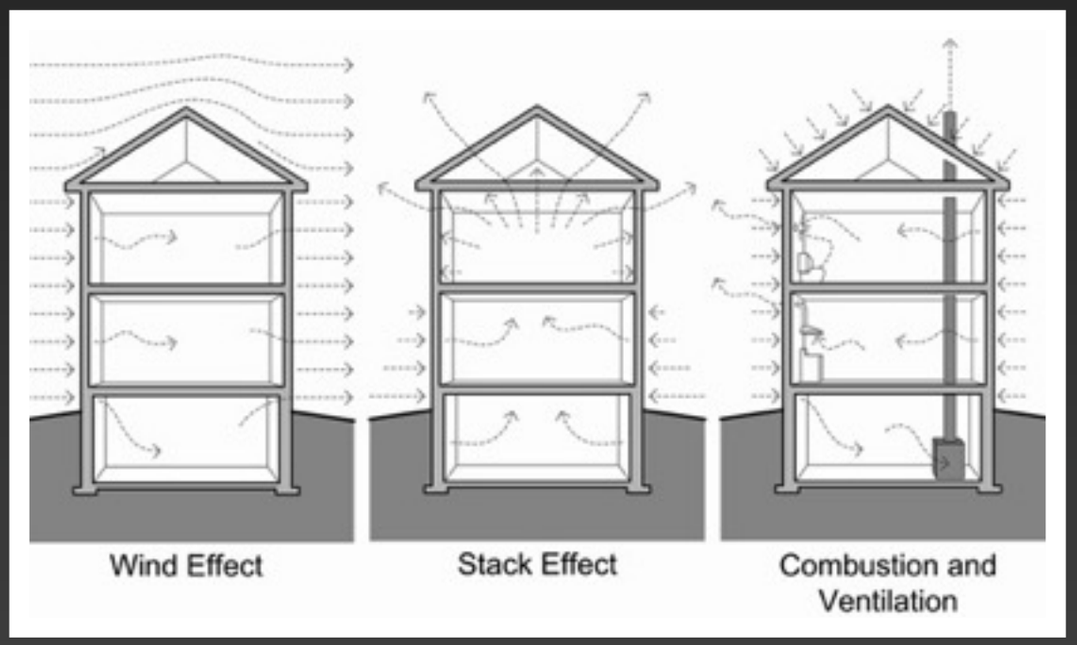
Rank Order Distributions by Room Type
Total and Fluorescent Particle Concentrations

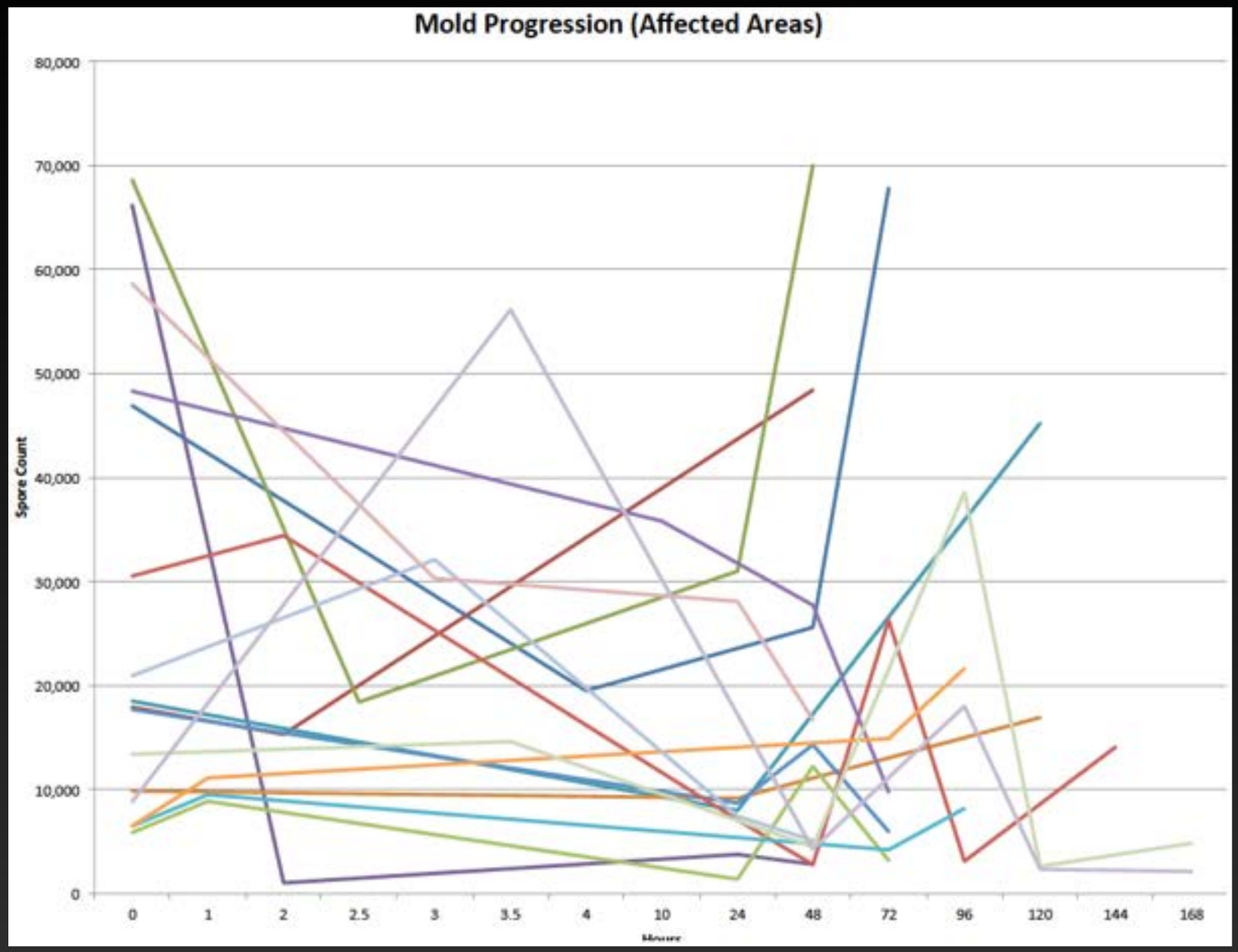


The fact that InstaScope™ can measure every room in a building and deliver real-time results is providing on demand insight into buildings that has never been available until now.

Buildings are increasingly complex and dynamic systems. By measuring the air that flows through the whole system, InstaScope™ allows technicians to catch system failures and their effects dynamically and address them quickly. Property owners can now harness this ability to “see the air” with InstaScope™ and begin managing their systems more intelligently and efficiently.







(X= days, Y=airborne mold, Each line = 1 property).

For instance, this graph shows how airborne mold levels in a water loss, day-over-day, vary wildly from one property to another. This discovery is reinventing the water loss mitigation process

SUMMARY

You Can’t Manage What You Don’t Measure

By measuring and analyzing the air, the InstaScope™ unlocks information about a building that allows you to manage against measurements instead of reacting to symptoms.

One Test, Substantial Results

Like a blood test, InstaScope™ delivers insight into the whole system by analyzing the air that touches every part of it.

Better Information To Make Better Decisions

Regular InstaScope™ inspections can catch system failures like HVAC issues, mold growth, water intrusions, and more before they become apparent to the occupant.