



CRITICAL AIRFLOW VISUALIZATION (SMOKE STUDIES)

FAST. EXPERIENCED. INSIGHT-DRIVEN.

Proven Experience You Can Trust

Performance Validation brings extensive airflow visualization experience across critical GMP environments. Our team has supported studies involving laminar flow hoods, cleanroom suites, RABS, isolators, and other controlled manufacturing spaces.

Trusted by pharmaceutical and medical device manufacturers, we help clients execute studies that support product protection, operational understanding, and regulatory confidence.

**over 50,000 hours of
airflow visualization
filming**

RAPID TURNAROUND WITHOUT COMPROMISE

- Large, experienced team of study directors and technical support staff
- Scalable resources to support aggressive timelines
- Efficient execution from planning through final deliverables

ADVANCED VISUALIZATION TECHNOLOGY

- Four synchronized camera angles
- Real-time study review
- Faster approval cycles

EXTENSIVE PROJECT EXPERIENCE ACROSS:

- Isolators
- Aseptic Filling Lines
- RABS
- Biosafety Cabinets
- Laminar Flow Hoods
- Cleanroom suites
- Compounding Pharmacies

ASEPTIC PROCESSING EXPERTISE

ACROSS GMP
MANUFACTURING
ENVIRONMENTS

ANNEX 1 ALIGNED APPROACHES

BUILT AROUND
REGULATORY
EXPECTATIONS

RAPID PROJECT EXECUTION

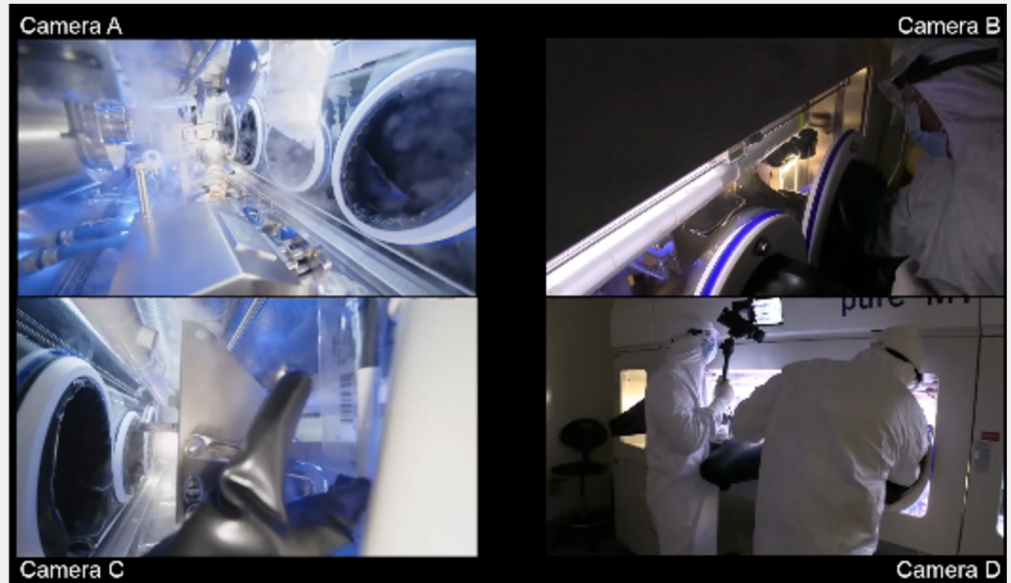
SCALABLE RESOURCES
& FASTER APPROVALS

Trusted by pharmaceutical and medical device
manufacturers for **critical airflow studies**.

ADVANCED LIVESTREAM™ TECHNOLOGY

ACCELERATES APPROVALS AND REDUCES PROJECT TIMELINES.

- Proprietary system integrating 4 synchronized camera angles
- Real-time visualization and alignment during execution
- Significantly reduced post-production time
(In many cases, eliminates it entirely)



FASTER REVIEW CYCLES → FASTER FINAL APPROVAL

FLEXIBLE, APPLICATION-SPECIFIC APPROACH

- Compatible with:
 - WFI fog systems
 - Glycol-based fogging
- Adaptable to unique facility, process, and regulatory requirements

END-TO-END PROJECT SUPPORT

- Study design & protocol development
- Equipment & logistics coordination
- On-site execution
- Real-time collaboration with your team
- Final video production & reporting

WHERE WE WORK

- Pharmaceutical manufacturing
- Biotechnology facilities
- Medical device manufacturing
- Compounding pharmacies
- Research and development environments

MORE THAN JUST A FILM CREW

- Expertise in:
 - Study design aligned with regulatory expectations (e.g., Annex 1)
 - Identifying airflow disruptions and risks
 - Troubleshooting and recommending practical solutions

WHY PERFORMANCE VALIDATION?

- ✓ Speed without sacrificing quality
- ✓ Deep technical expertise
- ✓ Industry-leading visualization technology
- ✓ Seamless, turnkey execution

We don't just capture airflow—
we help you understand and optimize it

Whether you need a routine study or help solving a complex airflow challenge, we're ready to support you. **LET'S TALK.**