



Integrated Respirator Information System (IRIS)

Improving Safety and Efficiency for Confined Space Maintenance, Safety, & Engineering Personnel

IRIS turns maintenance from an undocumented, manual process into a data-driven, AI-enabled operation without taking control away from the maintainer



Why IRIS?

- Delivers a UL 913-certified, intrinsically safe POV video and two-way audio communications system for Class I, Div I environments
- Enables U.S. Air Force Specialist and Safety Monitors to oversee and communicate with maintainers inside hazardous, confined spaces and any inspection environments

IRIS fuses computer vision, semantic video search, and live communications to empower maintainers and safety personnel to perform hazardous maintenance activities faster, safer, and with full digital traceability.



Get Started Today

Ready to transform your mission with MetroStar and ActionStreamer? Contact us today to learn more about our IRIS at Scale solution.



(703) 481-9581
metrostar.com/contact-us



Contact Us to Learn More

“IRIS PUTS NASA QUALITY COMMUNICATION INTO THE HANDS OF OUR MAINTAINERS.”

– WILLIAM R BELL, CMSGT, USAF

Operational Benefits

Enhances Safety

Advanced comms and monitoring for multi-capable airmen in hazardous & confined spaces

Drives Mx Efficiency

Reduce time spent and re-entries made into dangerous work areas

Increases Aircraft Availability

Optimized fuel tank Mx gets aircraft back in the field faster

Rapidly Scales Knowledge Sharing

Increases speed to competency of the Mx workforce

IRIS System Includes:

IRIS is delivered as a turnkey system, not a loose collection of components.

Each unit bundles:

- ✓ UL-certified wearable headsets with video, audio, & lighting
- ✓ An Attendant Mobile Workstation for monitoring & command
- ✓ Secure live streaming & collaboration software
- ✓ An analytics platform that applies computer vision & semantic search to recorded maintenance video
- ✓ Training, onboarding, & sustainment support