AIRWORKS FIELD

Your crew captures. AirWorks delivers.

CAPTURE TO DELIVERABLE, ONE ENVIRONMENT

Field-grade LiDAR capture. Engineering-ready deliverables.

For utility corridor and route work (fiber build-outs, transmission line inspections, ROW analysis, vegetation encroachment), your crew scans with the **XGRIDS Lixel L3**, uploads directly to the AirWorks platform, and receives processed data with feature extraction, all in one place.

One offering: the sensor your crew captures with, plus the AirWorks subscription that turns every capture into deliverables.

HOW IT WORKS

01

Capture

Crews walk the site or route with the Lixel L3. Colorized point cloud and panoramic imagery in a single pass, with on-screen preview.

02

Upload

Send captures straight to the AirWorks platform. No third-party processing software to buy or manage.

03

Deliver

Processed, hosted data in the 3D viewer, plus feature extraction: poles, clearances, and violations.

WHY THE LIXEL L3

5 mm	2 cm	640K	360°×270°
Relative accuracy*	Absolute accuracy (RMSE)*	Points per second (32-channel)	Field of view, 0.7–120 m range

- **Dense capture of thin assets.** 32 laser channels resolve distribution wires, guy wires, crossarms, and insulators.
- **Survey-grade GNSS built in.** Integrated RTK module for geo-referenced, engineering-grade output.
- **True-color photorealism.** Dual panoramic cameras with 4K HDR color every point in the cloud.
- **Operable by field crews.** Handheld, 2.5 kg, with on-device model preview and measurement. No specialized survey training.
- **Built for the field.** IP54, −20 °C to 50 °C, 100 minutes of operating time per battery.

GREAT FOR

Corridor-based work · Vegetation encroachment · Multi-mile captures · Mixed asset types · Substations

Hardware, handled. The sensor is supplied by QRC (Quantum Reality Capture), an authorized XGRIDS distributor, with a manufacturer-backed warranty. AirWorks quotes the sensor and subscription together.

See AirWorks Field on your own corridor.

Talk to us about a capture plan and subscription sized to your workload.

airworks.io · (857) 990 1060
support@airworks.io

*Accuracy figures per XGRIDS. Relative accuracy tested in a designated 500 m² environment, reported at 1σ (post-processed). Absolute accuracy measured under open sky with optimal GNSS conditions. Actual performance may vary. XGRIDS and Lixel are trademarks of their respective owner.