

Introducing Network Surveyor

Delivering actionable data in near real time

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Designed specifically to meet the time constraints for electric utilities, **Network Surveyor** combines unmatched lidar technology with edge processing to deliver actionable data in near real time. Land with data ready for ingestion into the digital twin and identify critical infrastructure risks within hours. Network Surveyor lowers operating costs, reduces risk, and increases public safety of critical infrastructure assets.

LIDAR

The **Optech Galaxy** is an industry-leading airborne lidar boasting a 2 MHz pulse rate making high resolution mapping of utility assets fast and cost effective. The compact size of the Galaxy offers unmatched versatility and is compatible with both airplane and helicopter platforms making any project achievable regardless of specification.



CAMERA

Phase One imagery solutions provide concurrently captured oblique and nadir imagery data to verify the point cloud analysis. The best in industry imagery solutions from Phase One support asset inspection image analysis and orthomosaic products for a complete digital record of infrastructure.



GALAXY ONBOARD

Galaxy Onboard is a groundbreaking industry first; REAL TIME processing and quality control edge processing solution that operates from the aircraft during data collection. Data is processed and analyzed in real time ensuring all required data is captured successfully. True rapid-reporting and response with Teledyne Utility solutions.



FLEXIBILITY

Integrated lidar, camera and processing. Network surveyor is the most flexible sensor solution in its class. STC approved for Bell206 and Airbus AS350 helicopter platforms, and suitable for any fixed wing platform with 20in port hole. Fully programmable sensor settings, without data loss, meet any project specifications from the highest density applications to wide area network territory mapping.



Network Surveyor Delivers Success

The integrated pod solution is approved for either Bell 206 or AS350 helicopter platforms, as well as internal installation into fixed wing aircraft. The operating system for command, control and edge processing is focused on a human centric design, with an emphasis on ease of use and quick training.

The combination of remote sensing sensor solutions and real-time processing/quality-control lowers the technical barriers of entry into airborne geospatial data acquisition. With edge processing the data quality is validated and reported on in real-time, providing easy to interpret feedback to the operator

to make corrective action while in the air. The real-time processing engine combined with in air trajectory correction produces high accuracy point clouds available on landing, removing the requirement for post-processing in the office.

With high quality and high accuracy data available on landing, the lidar can be ingested into commercial digital twin solutions for rapid classification, and analytics to produce actionable insights into the risk of your assets in unprecedented time frames.

