

UAV TECHNOLOGY - WHEN EFFICIENCY AND PROFITABILITY MATTER

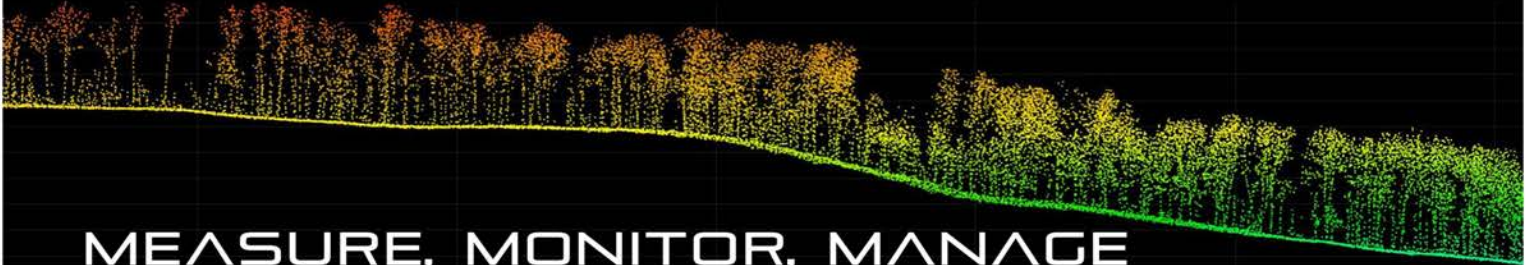
INCREASE: Safety, Efficiency, Profitability, Accuracy

REDUCE: Environmental disturbance, Project timelines, Overall costs

IMPROVE: Productivity, Revenue opportunities, Decision making

INNOVATE: Multiple applications - 1 flight, Up-to-date information

GAIN: A COMPETITIVE ADVANTAGE



MEASURE, MONITOR, MANAGE

THE POWER OF INFORMATION

X1 AERONAUTICS Inc. has earned a reputation of being one of the top ten most knowledgeable UAV experts in North America. We can now measure, monitor and manage with more precision than ever before. Our innovative UAV technology now provides clients with the ability to make efficient fact-based decisions by utilizing more affordable, detailed and accurate up-to-date information.

UAV LiDAR

50 - 1900 points per square metre
Centimeter precision
Up to 45 minute flight times
Up to 200 hectares in a single flight
Multiple scans easily merged
Position error of 3.8cm
Integrated RTK
Scan rate of 600K shots/second

VEHICLE-MOUNTED LIDAR

X1's convenient vehicle-mounted LiDAR system provides a significant reduction in field time and traffic management costs while increasing safety.

STRUCTURE FROM MOTION

60 - 1100 points per square metre
High relative and absolute accuracy
Up to 100 hectares per hour
Accuracy levels average 2.5cm, project dependent
Multiple scans easily merged

PRODUCTS

DIGITAL SURFACE MODELS
DIGITAL TERRAIN MODELS
ORTHOIMAGERY
POINT CLOUD
CONTOUR LINES
CROSS SECTION

INDUSTRY

MINING
FORESTRY
OIL & GAS
ENGINEERING
TRANSPORTATION
ENVIRONMENTAL
UTILITIES

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