With Digital Aerial Photography You Can See the Forest for the Trees

Unrivalled image quality. Unprecedented accuracy. Faster turn-around times. Simplified workflow. Digital aerial photography delivers all of this and more to professionals in the forestry sector. And once again Airborne Sensing Corporation is in the vanguard – as the first Canadian company to adopt the breakthrough digital technology of industry leader Vexcel Corporation.

For years the photo survey industry has looked forward to the superior integrity, efficiency and economy of digital imaging. Today the newest digital aerial cameras and software surpass the best analog solutions. Standards are being refined, and user expectations raised, around the globe.

Airborne Sensing has identified one technology as the best of the best: the UltraCam large-format digital aerial camera. Combining our expertise in aerial photography with Vexcel's standard-setting photogrammetric solutions, we provide the high-quality, verifiable images you need to map the world – and the uncompromising accuracy you demand to make decisions with confidence.

Airborne Sensing Corporation

Since 1980, Airborne Sensing has been a leader in aerial photography across Canada and internationally. We have two key strengths:

1) Our solid track record. We've built a reputation for working quickly and efficiently, with intelligent planning and superb project management. We've successfully tackled every kind of challenge, from the unpredictable fogs of Newfoundland, to the precise measurement of NASCAR tracks in the southern U.S., to the logistics of operating offshore in places such as Belize or Turks and Caicos. In a phrase – we get the job done.

2) Our expertise. Airborne Sensing's tight-knit team includes highly experienced image production specialists, a geomatics engineer and, of course, our professional pilots. In the air and on the ground, we know what we're doing and get that expertise working for you – whether it's our leading-edge digital solution or the impeccable analog photography on which we built our reputation.

Measurable Benefits

More detail: Areas previously in shadow are rendered with pinpoint accuracy to the fraction of a pixel.

More information: Three simultaneous levels of data – colour infrared (CIR) panchromatic and colour.

Integrated GPS: Digital data can be instantly combined with positioning measurements for precise topographic mapping using aerial triangulation.

Simpler automation: Images are more easily and economically processed into sophisticated maps.

Faster workflow: Images flow directly into your systems – and even more comprehensive solutions are coming.

Forestry-Sector Benefits

Tree health assessment and species identification can be conducted on a single pass, shortening flights and saving overall time. Four-band multi-spectral imagery accelerates canopy and vegetative typing, with image classification tools previously only available via low-res satellite imagery or poorly referenced scanner outputs.

Tree mensuration (timber cruising) is more efficient and accurate using high-resolution digital imagery.

Habitat monitoring, including drainage and elevation modelling, is more detailed than ever with digital data.

More precise georeferencing makes it easier to clearly outline harvestable areas taking into account stream edges, road allowances, etc.

Digital elevation modelling can be used to extract detailed terrain data for engineering work on forest roads as well as define slope characteristics for forest regeneration and harvest modelling.

the airborne sensing corporation

TO FIND OUT MORE ABOUT OUR NEW DIGITAL CAPABILITY AND THE FULL RANGE OF SERVICES AVAILABLE FROM AIRBORNE SENSING, PLEASE CALL OUR PRESIDENT, ALEX GIANNELIA, AT 416-203-9858 OR EMAIL AG@AIRSENSING.COM.