

Wingtra

The fastest mapping drone just got LIDAR



LIDAR system

Effective point density in deliverable at 90 m (300 ft) AGL with 50% side overlap	Hard surface: ~110 pts/m ² (single return) Low vegetation: up to 220 pts/m ² (dual return) High vegetation: up to 330 pts/m ² (triple return)
Maximum coverage at 90 m (300 ft)	Up to 360 ha (890 ft) (30% side overlap)
Vertical absolute accuracy at 90 m (300 ft) (RMS)	Down to 3 cm (1.2 in)
Components	Hesai laser scanner, Inertial Labs IMU, NovAtel GNSS
Number of returns	3

Software

Processing SW	Wingtra LIDAR app
Point cloud generation	LAS and LAZ
Trajectory correction	Yes

Get accurate digital terrain models under dense vegetation to win more bids and cut out costly rework.



Maximize efficiency

- No calibration needed with a quick one-minute initialization
- Streamlined post-processing with the Wingtra LIDAR app for faster data turnaround



Simplify your workflow

- Easy data collection and processing for all levels of expertise
- Switch to photogrammetry when you need to with our easy plug-and-play GEN II platform

“With lower-end units, we needed to export each flight line and perform additional strip alignments, resulting in additional processing time. On the contrary, we are experiencing excellent alignment in the results achieved through Wingtra's post-processing, eliminating the need for these supplementary processing steps. The outcome is not only of high quality but also significantly reduces the processing time.

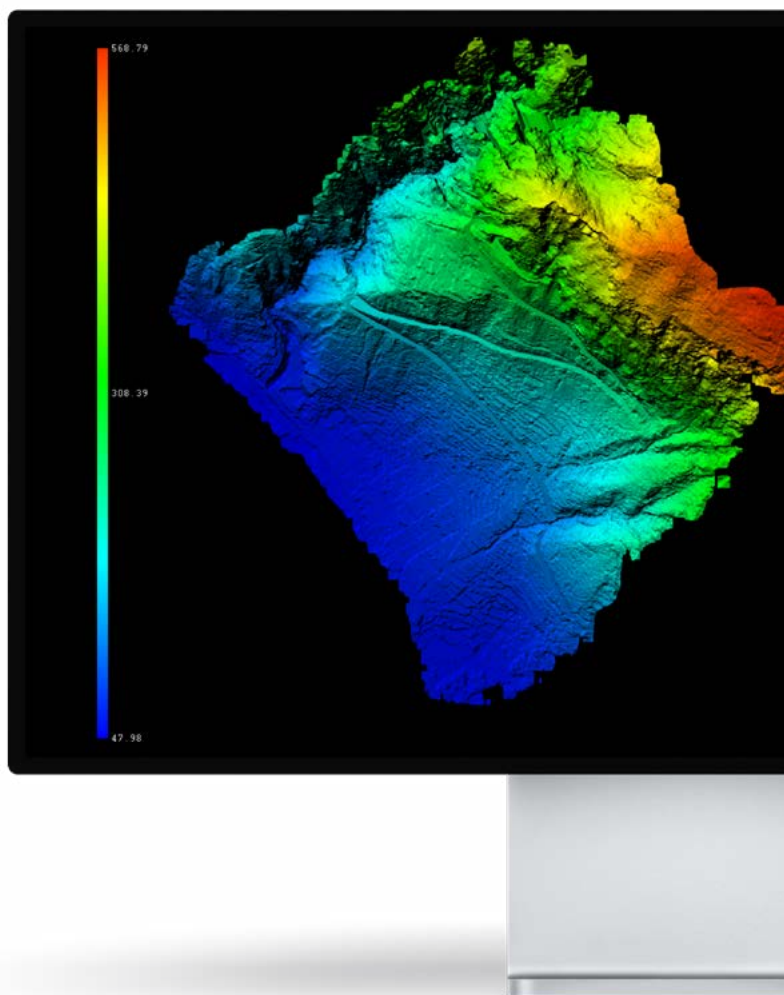
CARLOS FEMMER

Director of Data Acquisition
HDR



Get accurate and reliable insights

- Design projects based on high-accuracy data, and cut out costly rework
- Best-in-class Hesai sensor, and Inertial Labs IMU LIDAR kit for exceptional accuracy



DISCOVER THIS DATASET →