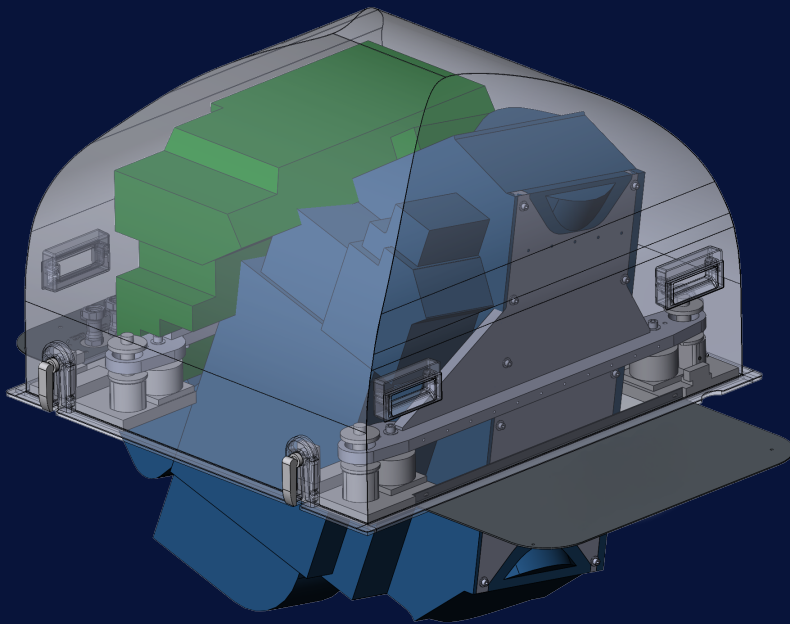




Sequoia

Next generation lidar

Vertical orientation inside pressurized cabin | 266 lbs | uses 22 inch optical port | long standoff



FLYING HEIGHT

20,000 – 50,000 ft

MEASUREMENT RATE

20 – 30 million denoised points/sec

DETECTOR PIXELS

8,000

ANGULAR RESOLUTION

34 μ rad

TYPICAL VERTICAL PRECISION

5 cm

LASER POWER

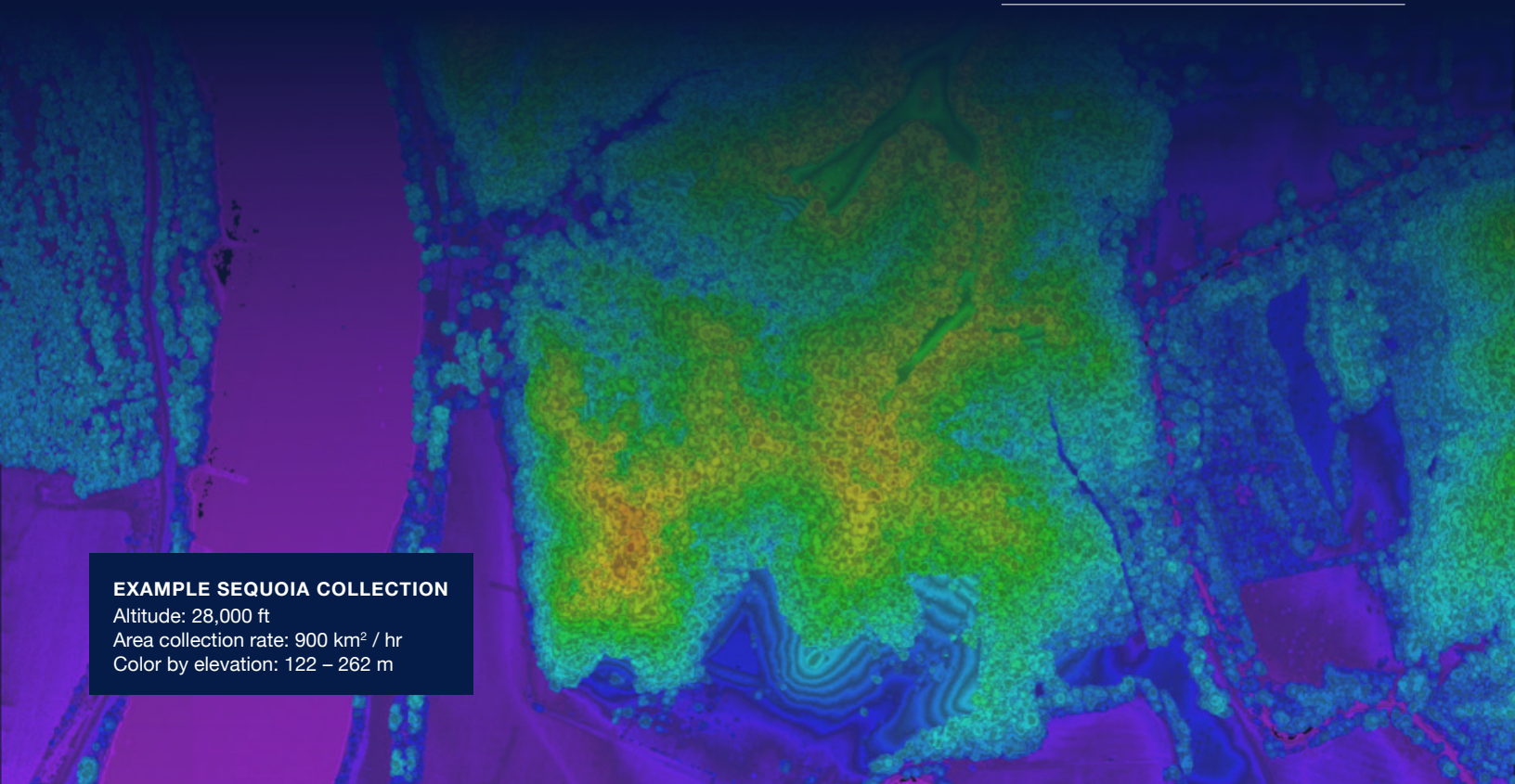
100 Watt

EXAMPLE SEQUOIA COLLECTION

Altitude: 28,000 ft

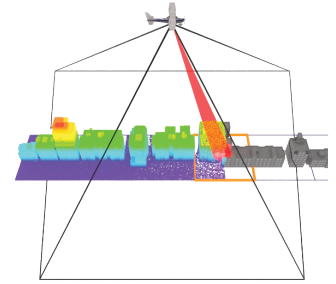
Area collection rate: 900 km² / hr

Color by elevation: 122 – 262 m



Agile geo-referenced scanning

Lidar systems collect from 4 - 6 viewpoints in a single pass. The combined scans mitigate shadows under forest canopies and within urban canyons.

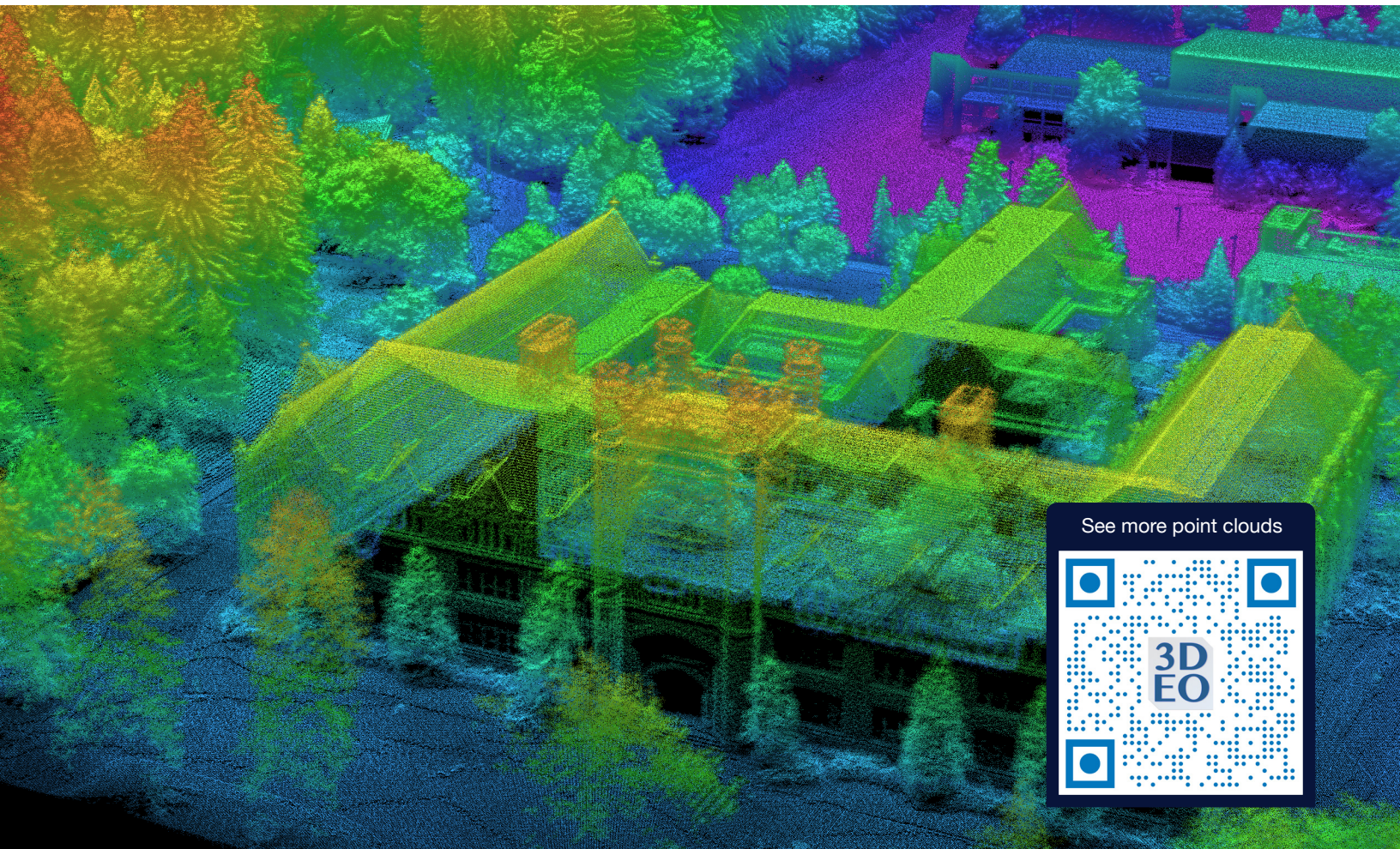


Acadia

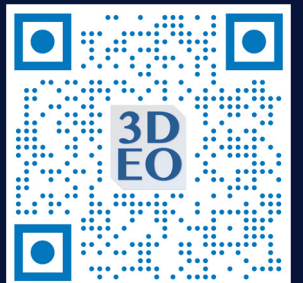
Acadia is 3DEO's software suite for processing raw lidar data into finished high-density 3D point clouds, complete with derived metadata such as relative reflectivity, height above ground and point confidence.

- ✓ Scalable across a compute cluster for elastic capability
- ✓ Accommodates third party modules into standard workflows
- ✓ Licensed on a per-sensor basis

Watch our explainer video



See more point clouds



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