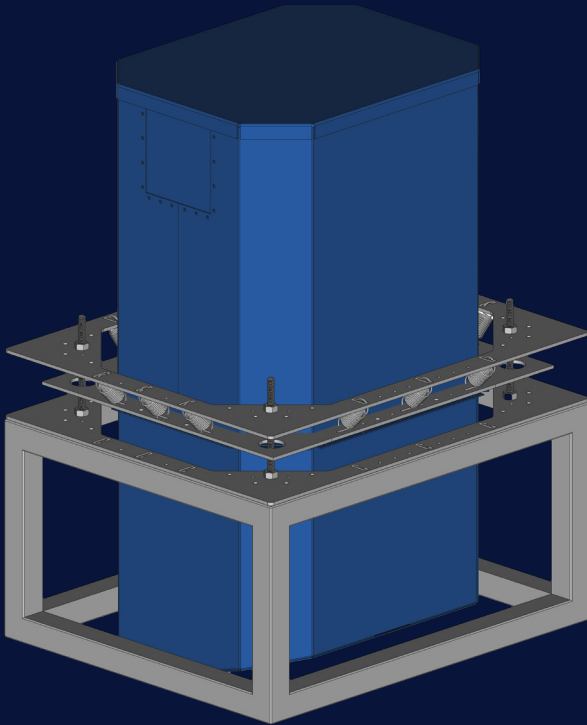




Zion

Next generation lidar

Vertical orientation inside unpressurized cabin | 213 lbs | uses 20 inch optical port



FLYING HEIGHT

3,000 – 12,000 ft

MEASUREMENT RATE

9 – 12 million denoised
points/sec

DETECTOR PIXELS

4,000

ANGULAR RESOLUTION

76 μ rad

TYPICAL VERTICAL PRECISION

5 cm

LASER POWER

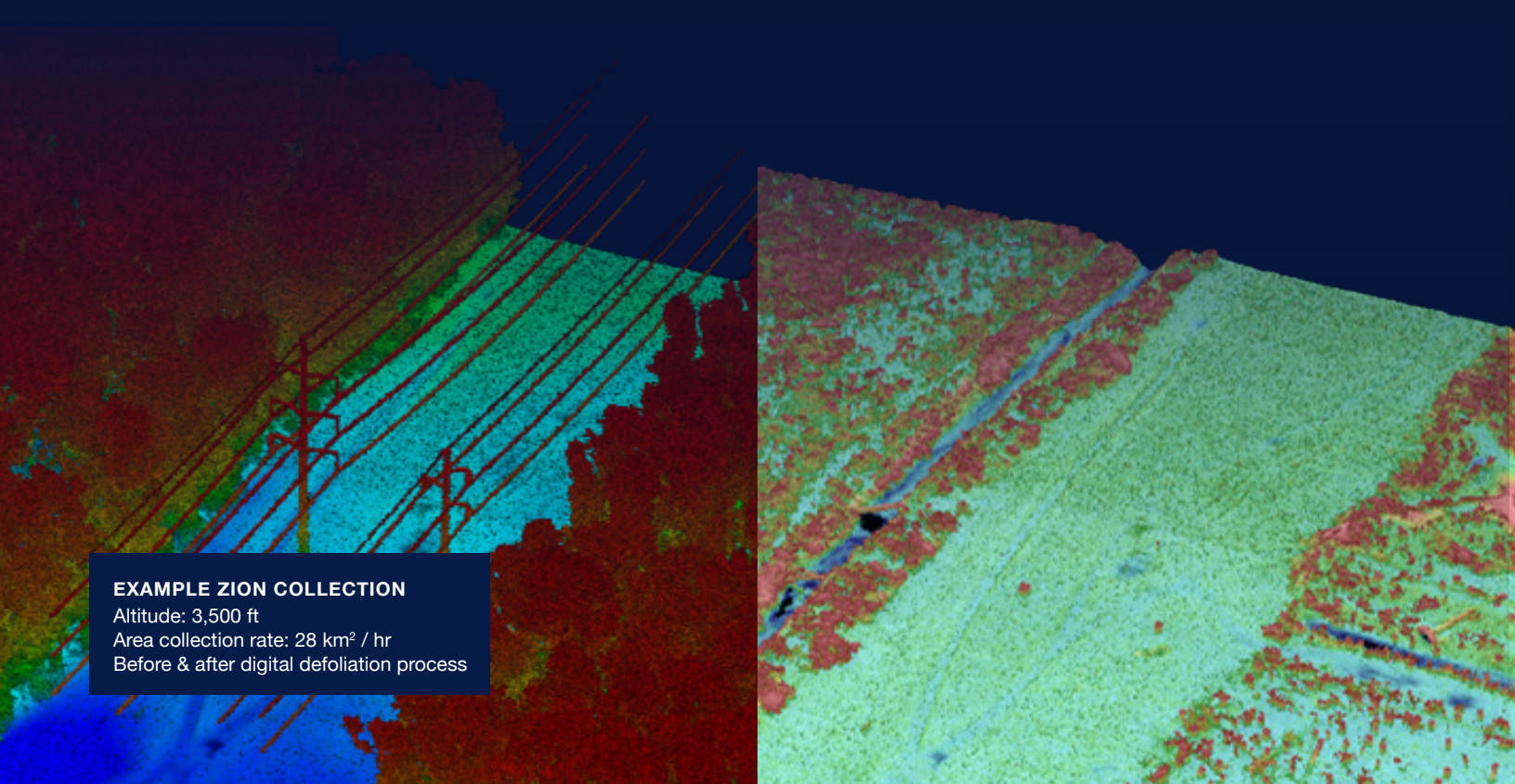
35 Watt

EXAMPLE ZION COLLECTION

Altitude: 3,500 ft

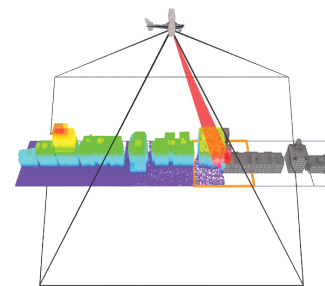
Area collection rate: 28 km² / hr

Before & after digital defoliation process



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.

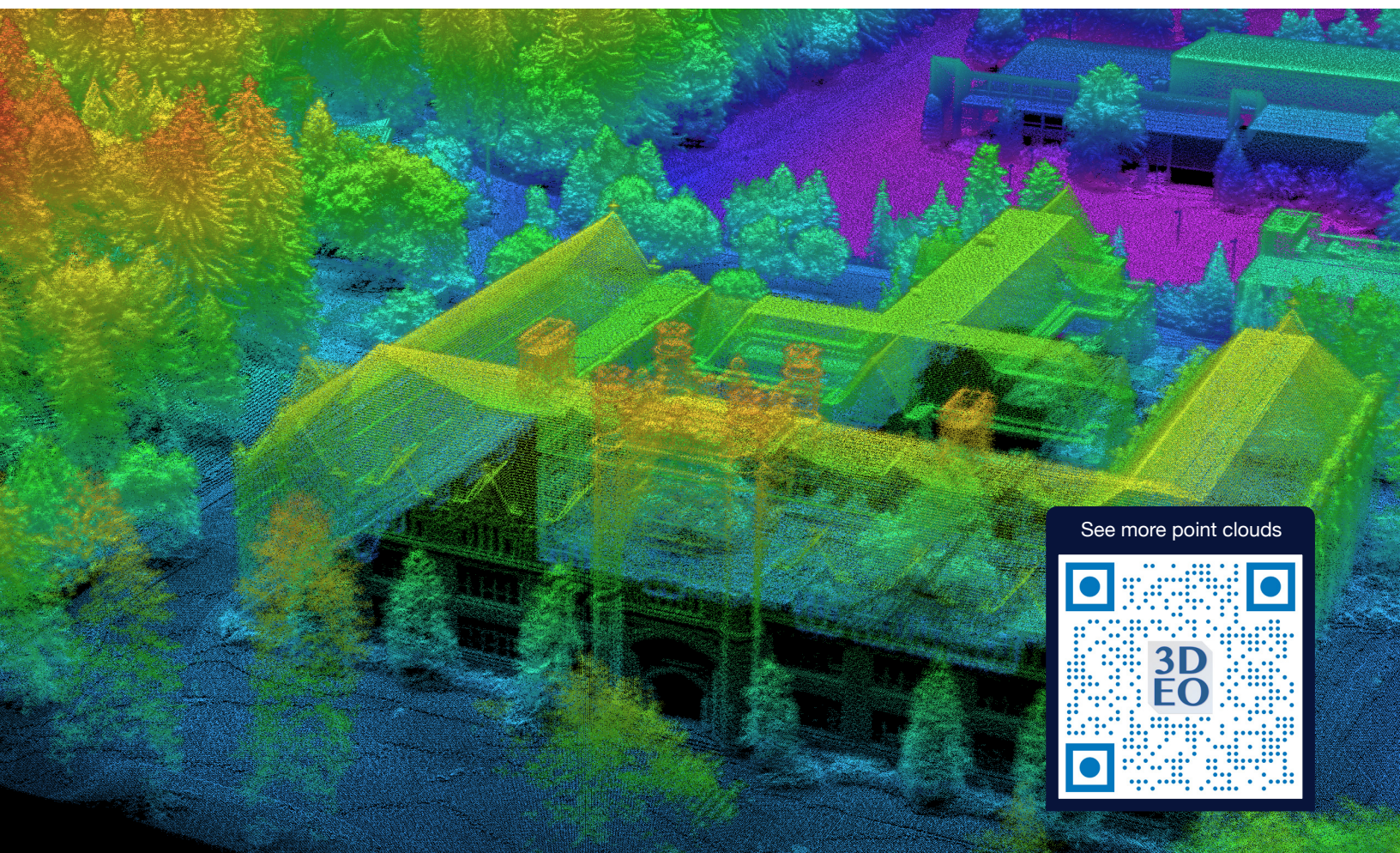


Acadia

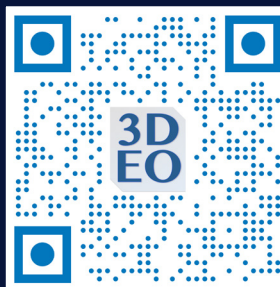
Acadia is 3DEO's software suite for processing raw lidar data into finished high-density 3D point clouds, complete with derived metadata such as relative reflectivity, height above ground and point confidence.

- ✓ 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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