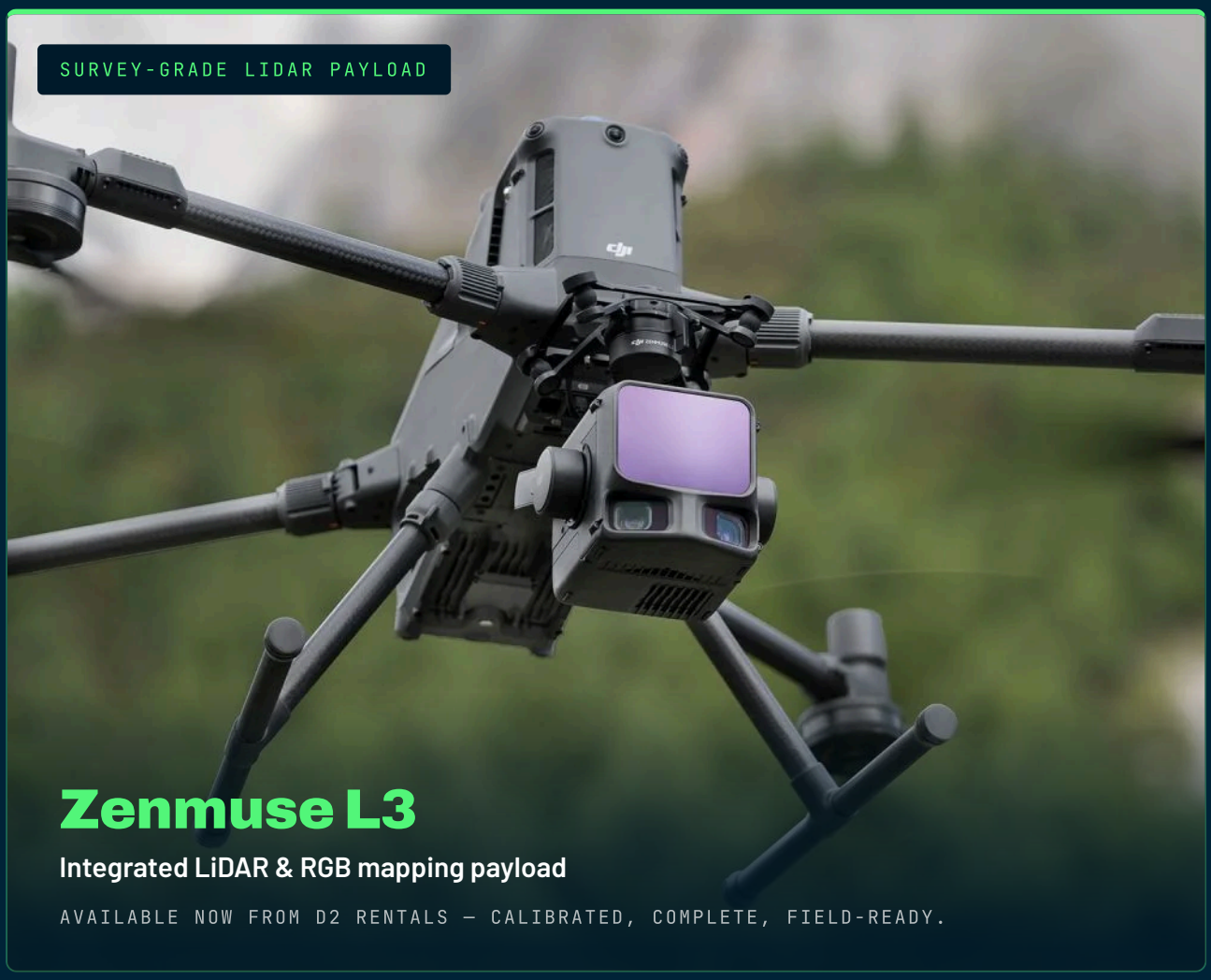
LIDAR PAYLOAD & SOFTWARE

Zenmuse L3 payload & software workflow

The Zenmuse L3 captures dense LiDAR point clouds and high-resolution RGB imagery in a single flight — feeding a complete, integrated processing chain that turns raw survey data into engineering-ready deliverables.



SOFTWARE & APPLICATIONS

From raw capture to engineering-ready deliverables

End-to-End Workflow

DJI Terra · DJI Modify · DJI FlightHub 2

- PPK data processing and point cloud reconstruction built into DJI Terra — free for L3 users
- Gaussian Splatting produces photorealistic 3D models from combined LiDAR and RGB data
- Fusion-based modelling generates point clouds, 2D maps, and 3D mesh models simultaneously
- DJI Modify handles point cloud classification, cross-section profiling, and engineering outputs — DEM, TIN, contour lines, and point grids
- Compatible with Terrasolid and standard GIS and CAD workflows for surveyors and engineers
- Cloud-based project management and data sharing via DJI FlightHub 2

Applications

Built for professionals in every field

- High-resolution terrain mapping and contour generation
- Urban and rural 3D modelling with exceptional structural clarity
- Forestry canopy analysis and vegetation penetration through dense canopy
- Construction progress monitoring and utility infrastructure surveys
- Power line corridor inspection and transport network monitoring
- Rapid scene reconstruction for emergency response, accident investigation, and disaster management

RENTAL BENEFITS

Hiring this payload is more cost-effective than an outright purchase — and lets you access the technology only when you need it.

WHAT DO I NEED TO BOOK A RENTAL?

Provide us with some key documents — then enjoy your hire.

01

Insurance

Insure your rental under a Hired-in (non-owned) equipment cover policy — to the full cost value of the equipment and for the duration of your hire period.

02

Proof of ID

After check-out, submit a copy of your passport or driving licence, plus a utility, bank, or council tax statement that matches your name and delivery address.

03

Flyer ID

If you hire a drone from D2 Rentals, you also need a valid Flyer ID and Operator ID. We don't require proof of drone registration or training (A2 CofC / GVC).

READY WHEN YOU ARE

Available now from D2 Rentals — calibrated, complete, and field-ready.