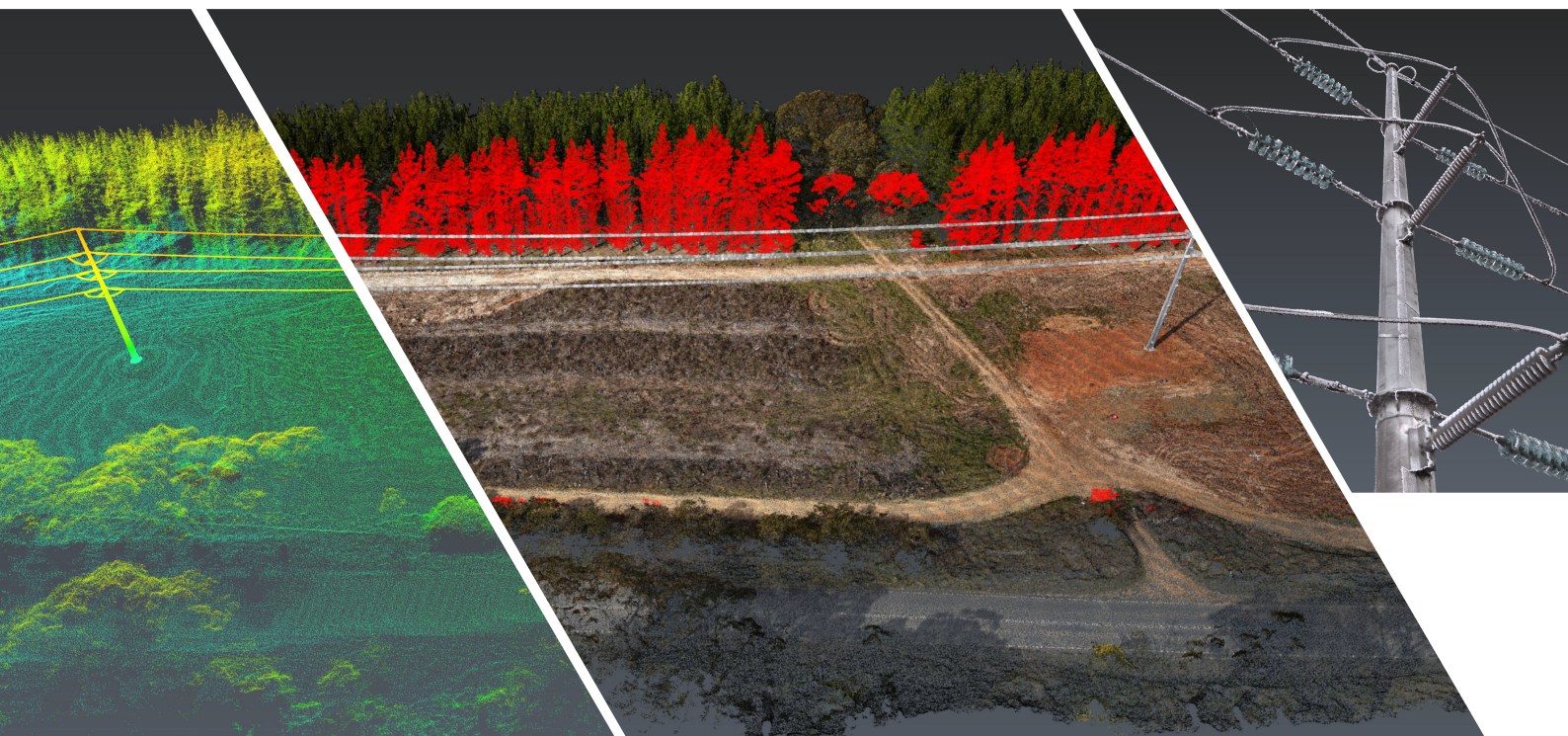


CASE STUDY

# 132kV TRANSMISSION LINE CORRIDOR ASBUILT



LOCATION

## CENTRAL WEST, NSW

Equipment:

Drone: DJI Matrice 350 RTK

Scanner: CHCNAV AlphaAir450

Laser Scanner: Leica P40 Laser Scanner

Software: CoPre 2.0, Cyclone3DR,

Pointerra3D, 12d

YOUTUBE LINK

Managing vegetation encroachment around powerlines is crucial to ensure uninterrupted power supply and mitigate any risks. Traditional methods for assessing clearance corridors have evolved with the integration of cutting-edge technology, including the use of a DJI Matrice 350 RTK equipped with the CHCNAV AlphaAir 450 complimented with the Leica P40 Laser Scanner.

The drone captures high-resolution imagery and LiDAR data over the powerline corridor. This data includes detailed information on vegetation height, density, and proximity to powerlines and powerpoles, providing a comprehensive overview of potential encroachments risks.

Complimenting the drone's capabilities is the Leica P40 Laser Scanner, renowned for its precise and accurate point cloud generation.

The P40 captures detailed scans of not just the vegetation and terrain features along the powerline corridor, but also details of the powerlines and powerpoles itself. By utilising Pointerra3D, we can quickly evaluate vegetation proximity to critical infrastructure and determine compliance with the required 70m clearance corridor, significantly reducing assessment time.

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[www.precisespatial.com.au](http://www.precisespatial.com.au)

