Inspection Services

Safe and Efficient Asset Evaluation from the Industry Experts

- Advanced analytics and detailed reports
- Actionable and reportable data
- Real-time inspection dashboard
- Geotagged images and mapped results
- Storm and bushfire assessments

The connection you can count on

Preformed Line Products design, manufacture and supply quality cable anchoring and control hardware systems used to support, protect, terminate and splice transmission, and distribution lines.

PLP Inspection Services

Preformed Line Products (PLP) provides energy companies with a safe and economical asset management and inspection service utilising unmanned aerial vehicles (UAV).

The service provides a comprehensive visual inspection of substations, poles, conductors and equipment located along transmission and distribution power lines.

The inspection service includes radiometric infrared, high-resolution electro-optical, LIDAR and 3D photogrammetry image data collection to examine the structural integrity and condition of the assets.

This collected data set is analysed by experienced PLP engineers. The assets are classified on a colour coded GIS map and submitted with a final detailed report.

PLP provides the inspection service with an unmanned aerial vehicle (UAV) flight services partnership. Together, we deliver added value to customers with our combined industry experience and technical capabilities. We are able to respond to our customer's needs quickly with reliable and precise actionable data.

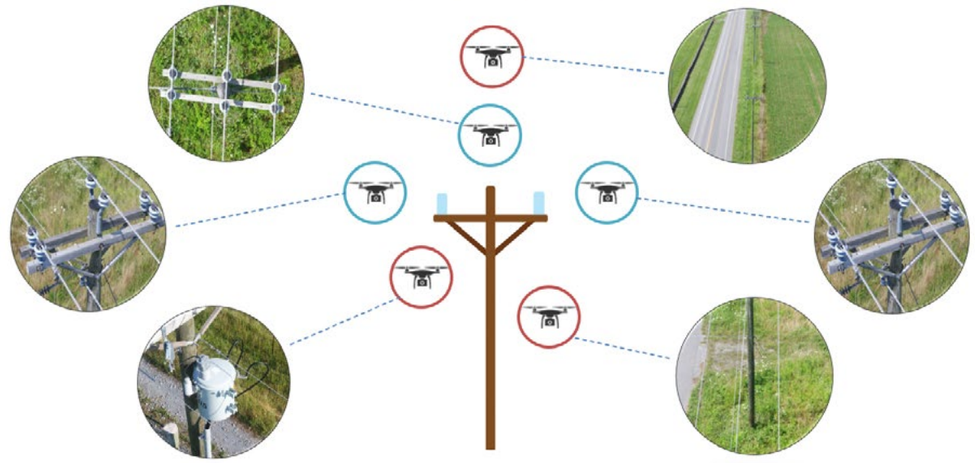
Comprehensive inspections for:

- Transmission & Distribution Infrastructure
- Substations
- Solar Farms
- Wind Farms
- Power Generation Facilities

PLP Inspection Services include:

- Comprehensive visual inspection
- As-built line audits
- Storm and bushfire assessments
- Site surveys
- Corridor mapping
- Asset condition classifications
- Georeferenced and catalogued imagery
- 3D modelling and measurements
- Thermal imagery analysis
- GIS mapped results
- Visual summary report
- Cloud cataloguing
- High-definition E/O and IR imagery

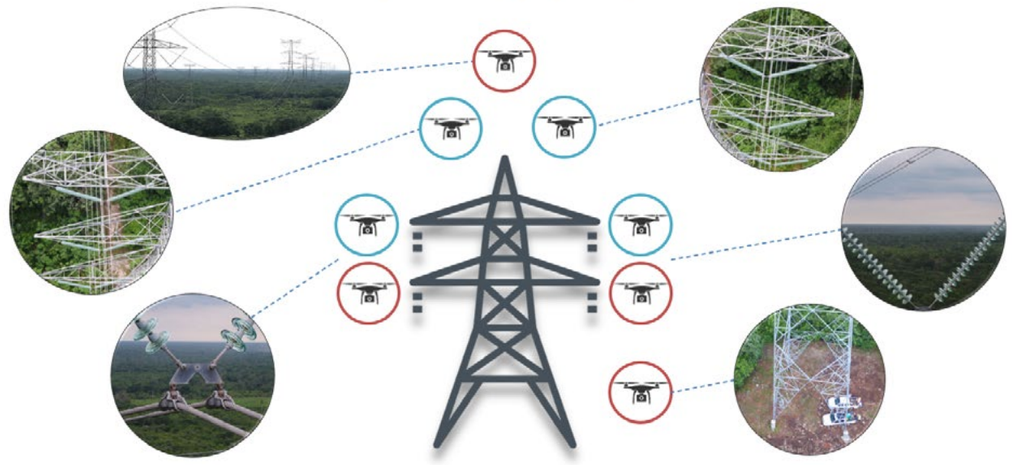
Distribution Inspection



Distribution Scope of Work – Level 1

- Capture vegetation encroachment
- Capture foundation, assess ground conditions
- Capture pole framing and assess condition
- Capture pole, identify type, location and assess condition
- Capture insulators, identify type, material and assess condition
- Capture overhead equipment, assess condition and inventory
- Capture conductor hardware, connectors, clamps and assess condition
- Capture, locate and identify mid-span conductor splices and assess condition

Transmission Inspection



Transmission Scope of Work – Level 1

- Capture vegetation encroachment
- Capture foundation, assess ground conditions
- Capture pole line hardware, assess condition
- Capture pole framing and structure, identify type and assess condition
- Capture joint use attachments, identify type
- Capture conductor splices, assess condition
- Capture insulators and corona ring and assess condition
- Capture ROW, identify encroachment and potential violations
- Capture devices located along spans, assess condition (vibration control, markers)

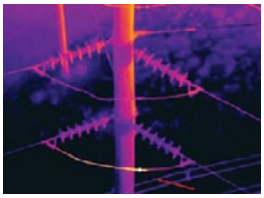
Types of Data Collection

Electro-Optical (EO)

Image capturing. Resolution varies from 20 MP to 100 MP.

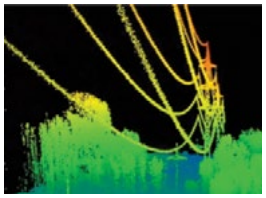
Infrared (IR)

Identifying assets with ‘hotspot’ e.g. poor connection points.



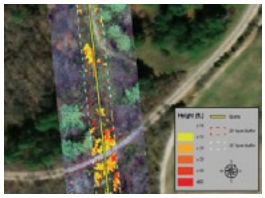
LIDAR

Accurate asset location and vegetation management.

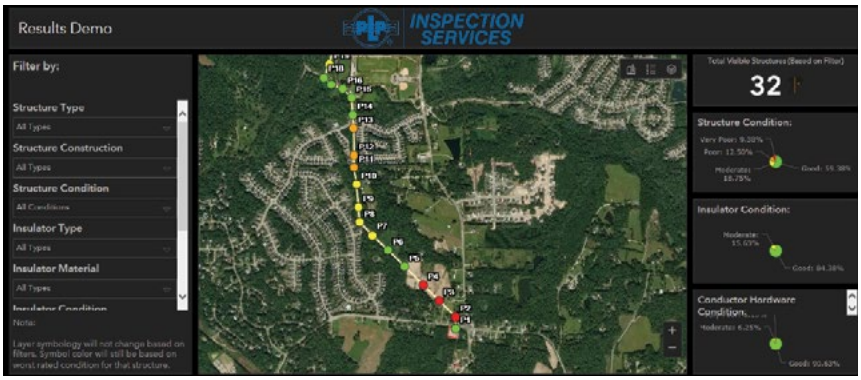


3D Photogrammetry

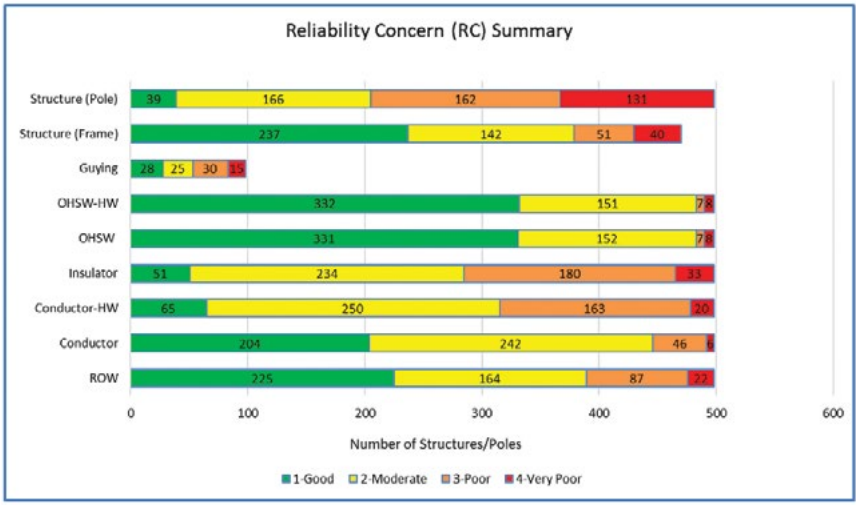
A low cost option for vegetation management.



Mapped Results



System Reliability Metrics



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