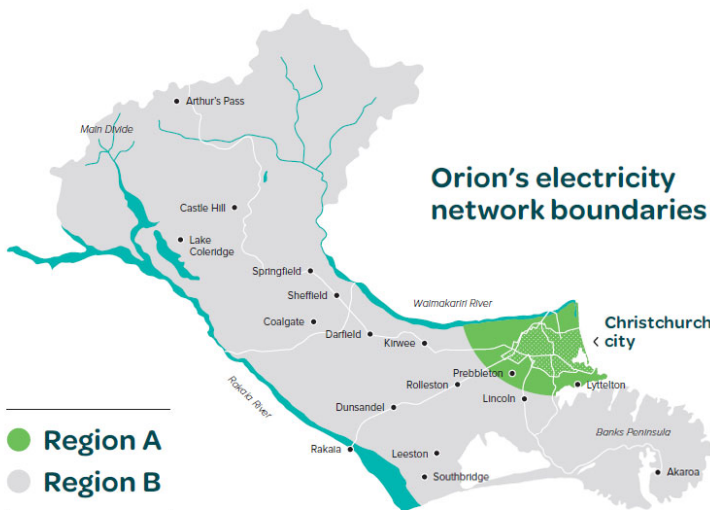




## Orion – who we are, what we do



**214,000 customers**

**Community owned:**

- **Christchurch City Council**
- **Selwyn District Council**

**Orion**

## What are Drones?

Unmanned Aerial Vehicles (UAVs) or Remote Piloted Aircraft (RPA)

## Why is Orion using Drones

- Staff Safety
- Drones get faster and better data, that can be shared
- Drones free up our most important resource, our PEOPLE

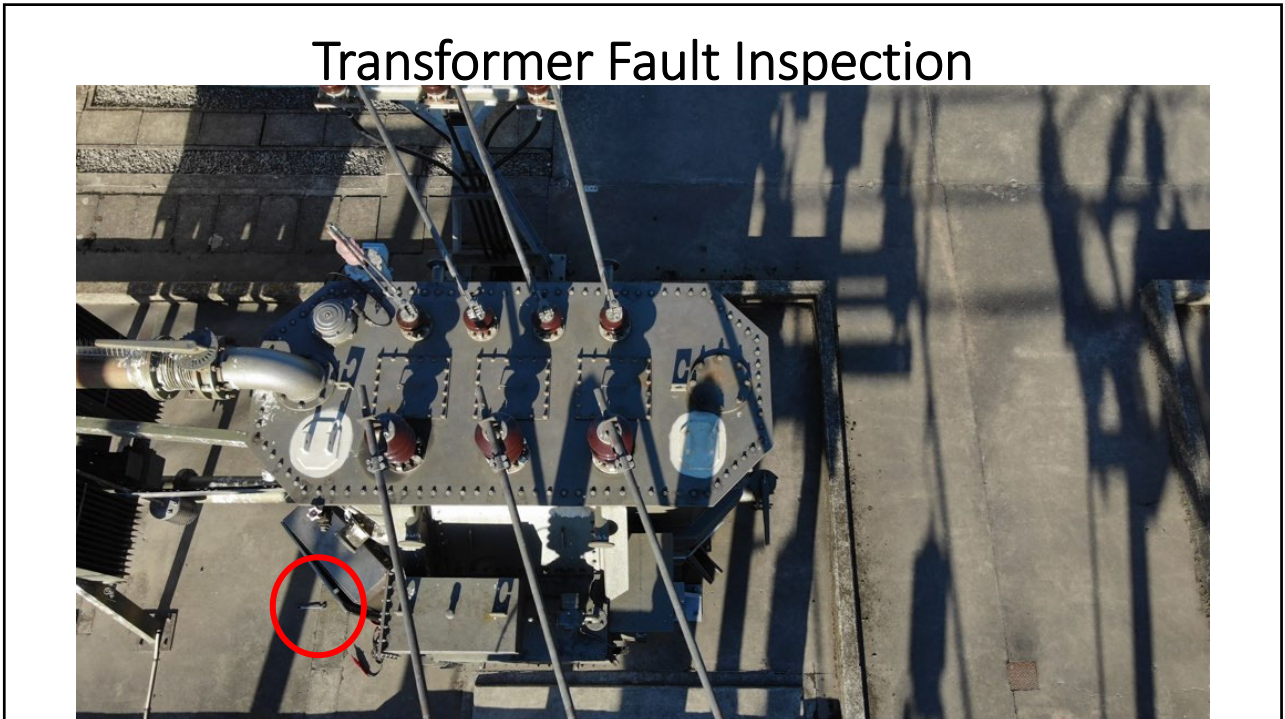
## How does Orion Use Drones

- Fault Inspection
- As-built for cable location
- Installation of Aerial Markers on lines
- Autonomous Drone program

# Fault Inspection

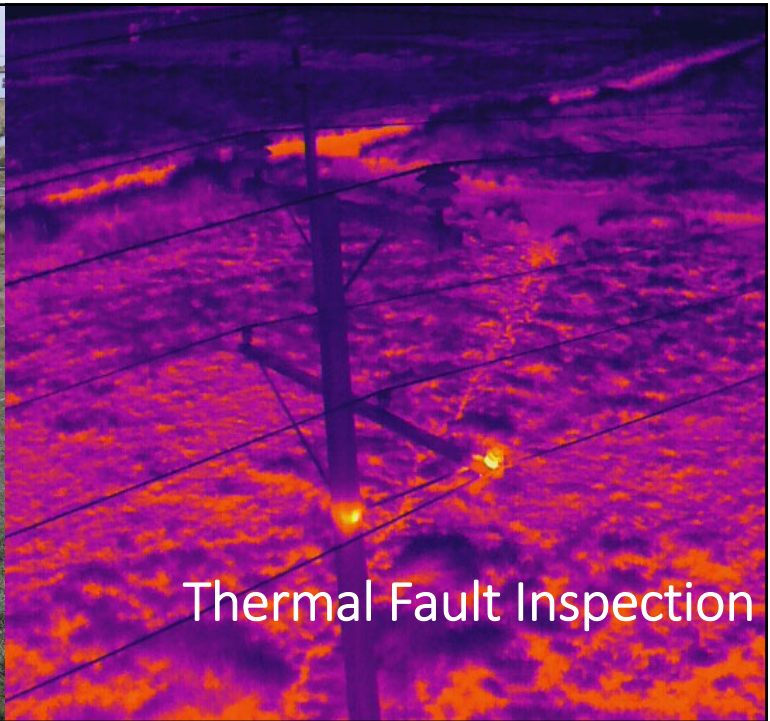


# Transformer Fault Inspection





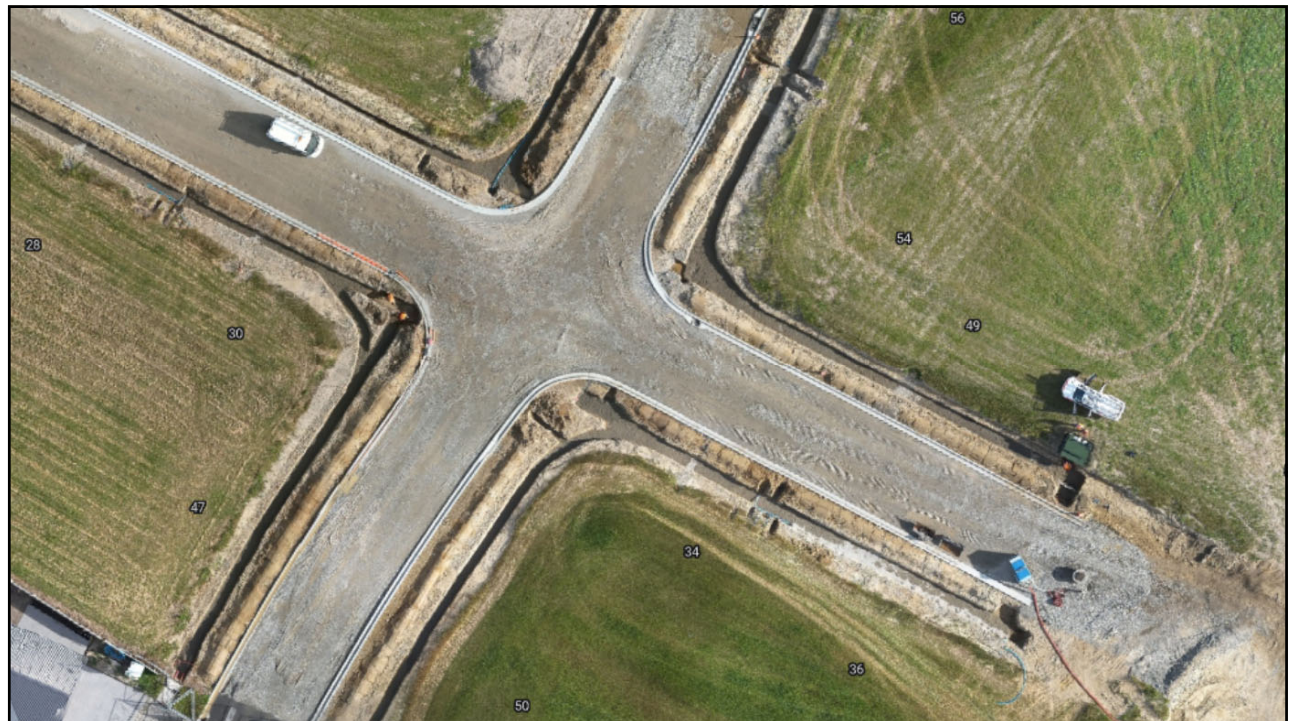
# Line Fault Inspection





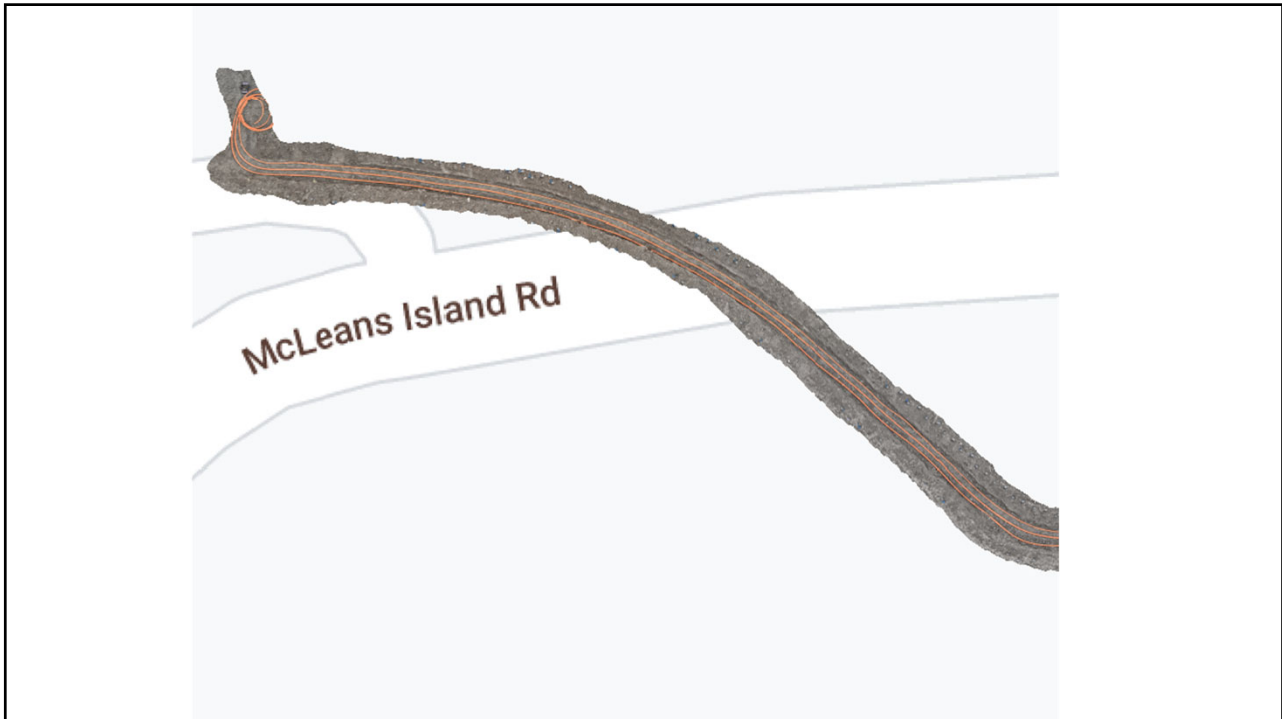




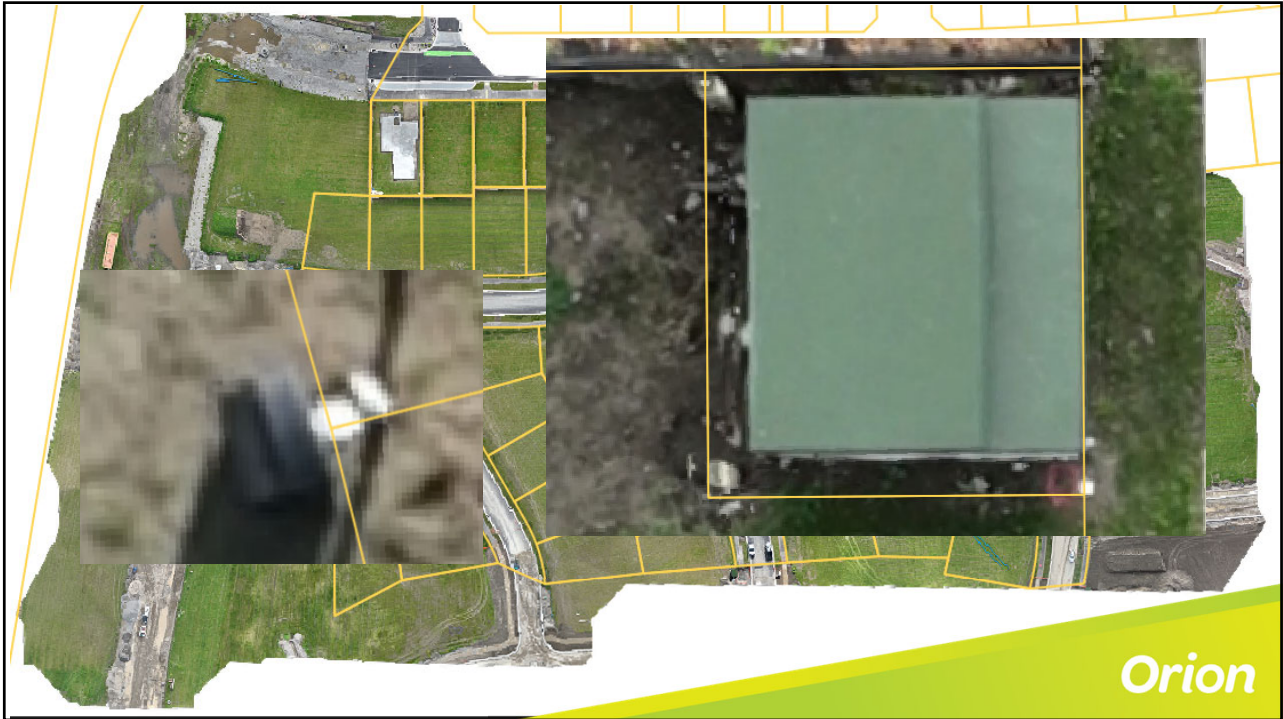
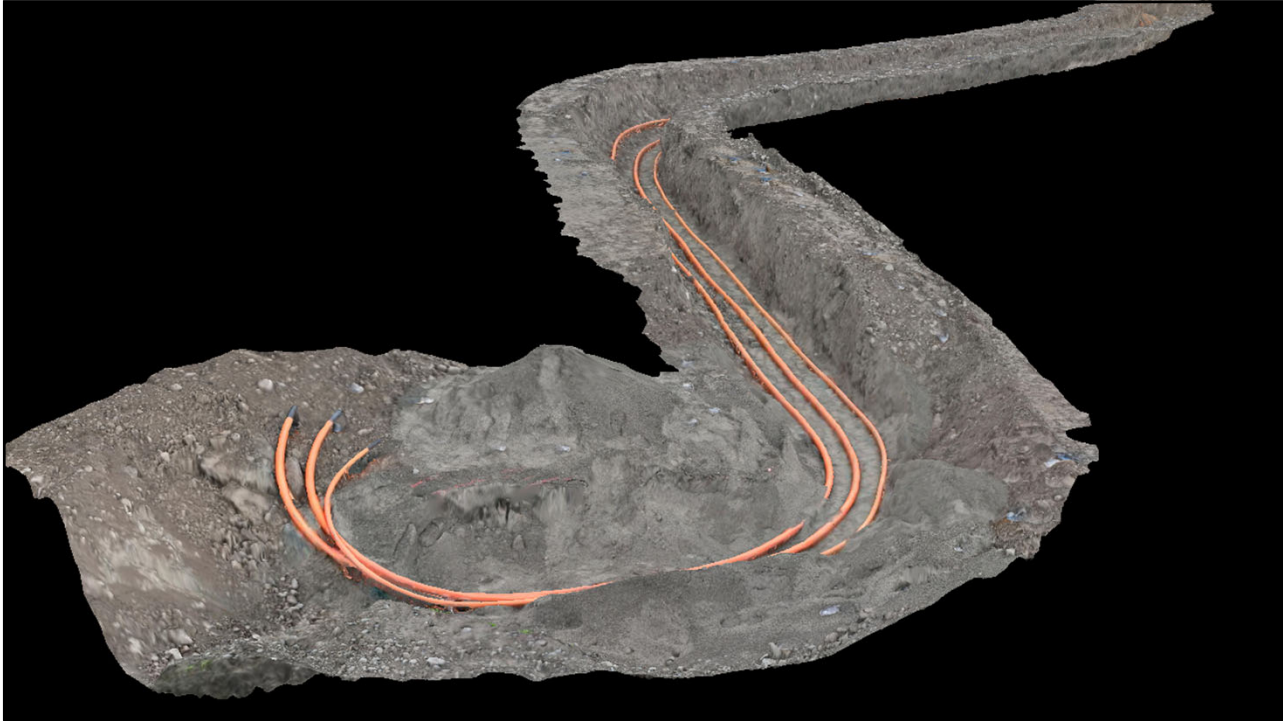




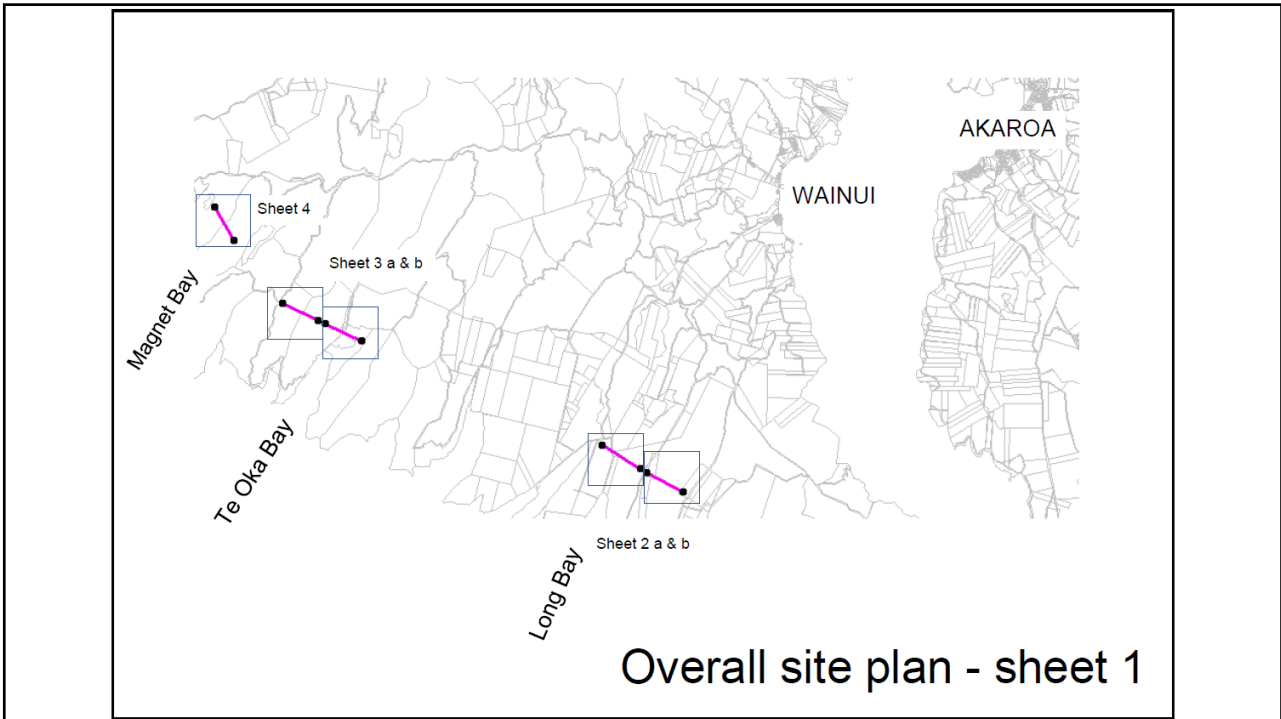




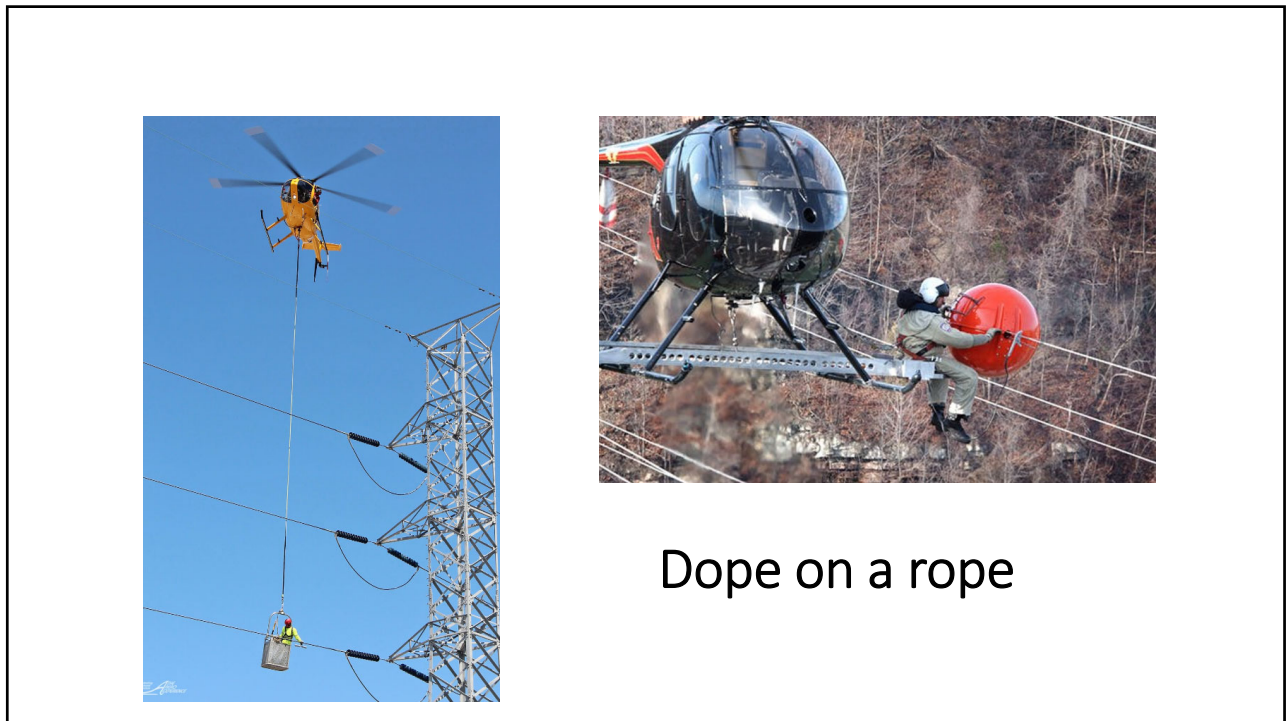
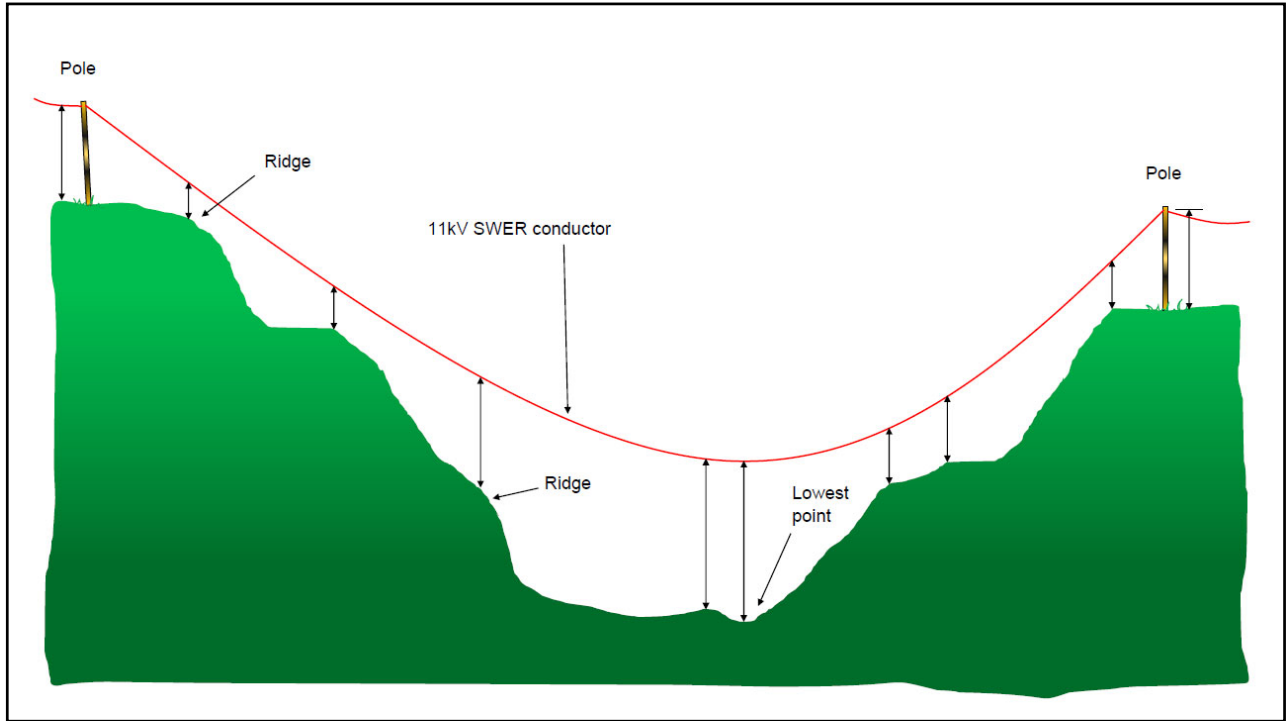


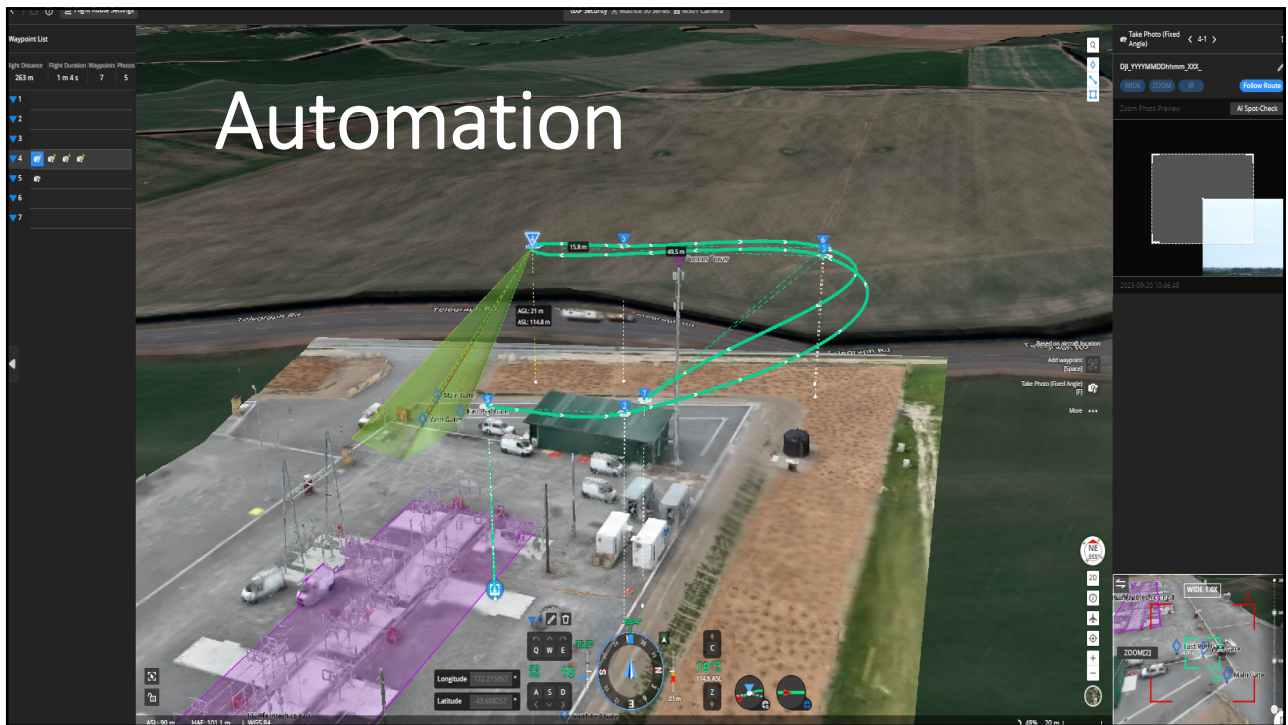


Orion











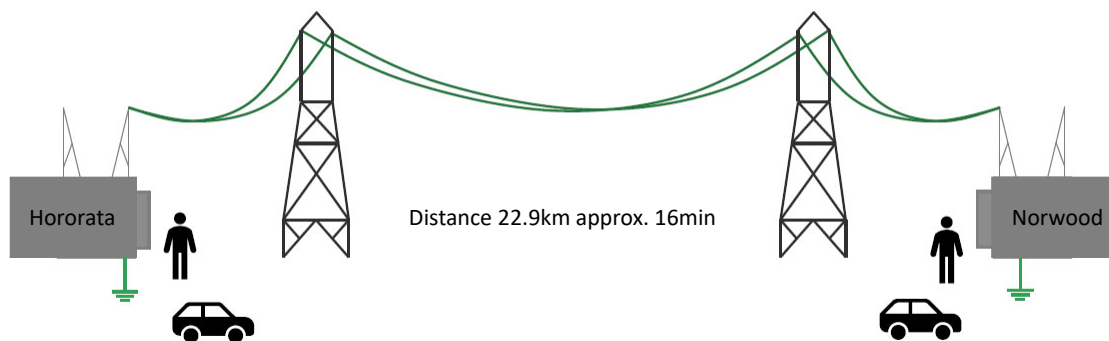
## Why is Orion looking at Automation

- Remote Switching
- Site security
- Autonomous Inspection of equipment

What does the future hold

- Autonomous Inspection of Lines

## Remote Switching





## Conclusion

- Staff safety
- Quality data, faster and better than before
- Resources are better allotted to solve problems
- Better use of our People



