

Brains**4**Drones[®]

we turn **toys** into **tools**.[®]

Susan Rossbach, CEO

Goksel Dedeoglu, PhD, PE, CTO

Q: What keeps you up at night?

A: Wildfires

How Drones with AI can help you Sleep Easy

- ✓ Real-time visibility
- ✓ Useful perspectives
- ✓ Vegetation AND Asset Management Tool
- ✓ Clear, intuitive imagery
- ✓ A platform for thermal, multispectral and other sensors
- ✓ More efficient than trekking
- ✓ Night-ops
- ✓ Safer workforce

Time Saver or Time Sink?

The time you spend reviewing drone videos can squander all of the time saved by not doing foot patrols.

(it's still safer, though, to use a drone)

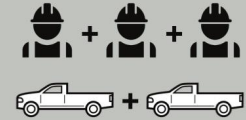
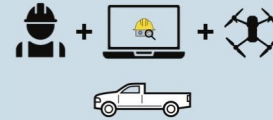
Brains4Drones.

The tools you need to tackle tough terrain

SeeMore™

Foot Patrol

Resources Required



Labor Cost



Time to Action

1 Hour

2 Days

Service Restored

Same Day

2½ Days

Based on actual field studies with utilities who took us to their most challenging lines.

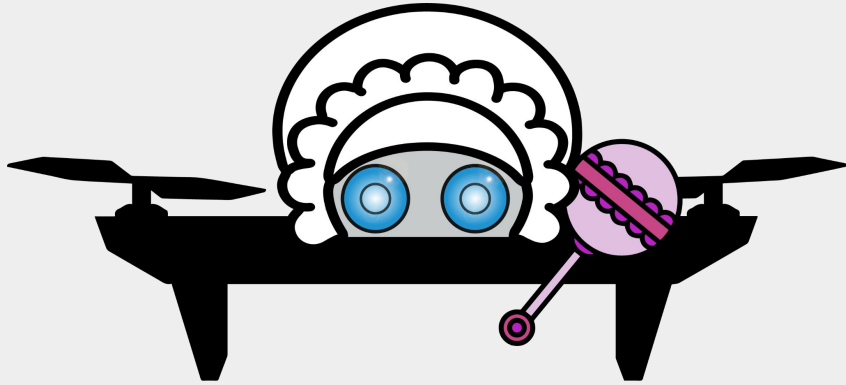
© 2022 Brains4Drones LLC we turn toys into tools.



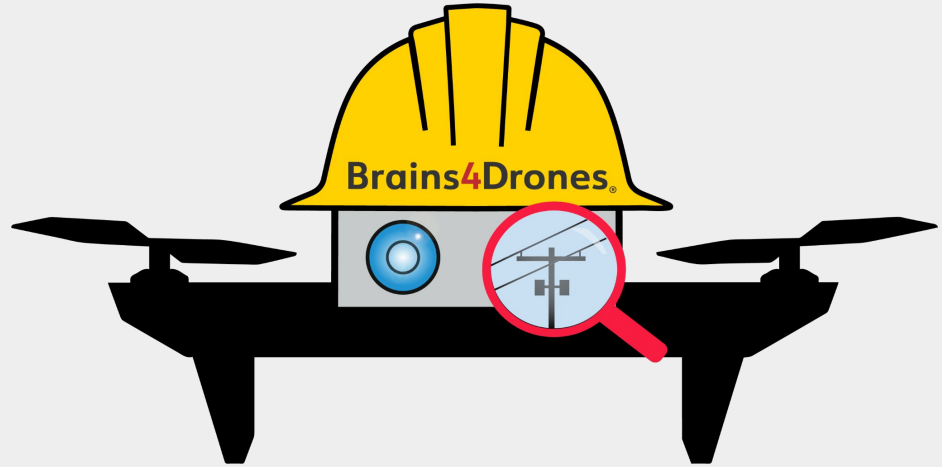
A Tool in the Truck



TOY



TOOL



SeeMore is a tool that helps you see more of what you're inspecting



**this pole is 0.25" high
on the RC display**



**the same pole is 2.7" high
on SeeMore's display**

A tool that helps you see clearly



A tool that's available when you need it



Winter Storm (Feb '23)

On-the-spot Inspections with LiveMode



On the spot Inspections - Equipment Issues



On the spot Inspections - Bird Nests



A tool that help you take notes and save problem locations

Video: 00:44/01:13
Mission: 00:46/01:17

	notes	priority	state
1	Damaged ...	High	Inspected
2	Need Closer ...	Medi...	Inspected
3	Tree Clearance	Low	Inspected
4	Check for ...	High	Inspected

Ortho Height

A tool that generates maps of your ROW

Ortho map captures current conditions in 100 megapixel image quality.



An orthomap that actually preserves your poles

Ortho map captures current conditions in 100 megapixel image quality.



Zoom in to see your poles

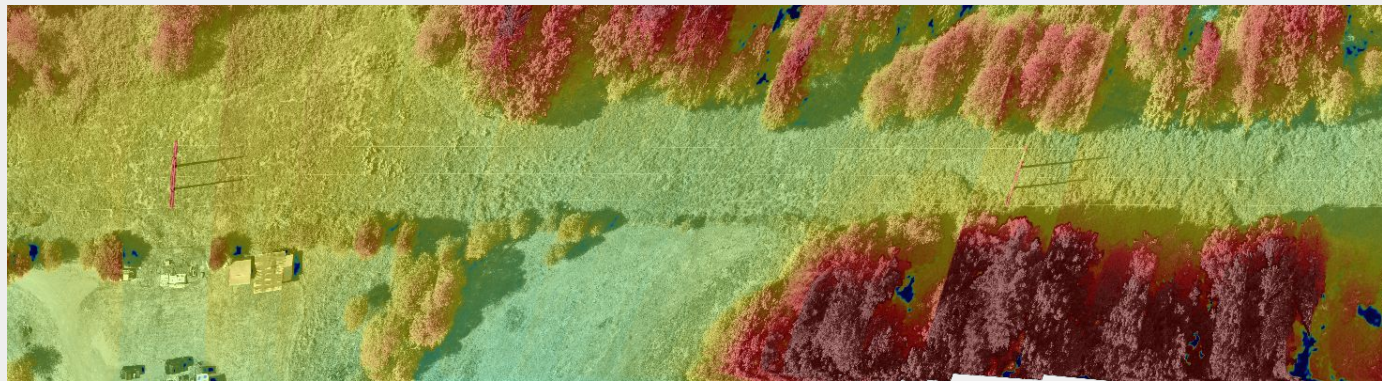


A tool that generates **height maps** of your ROW

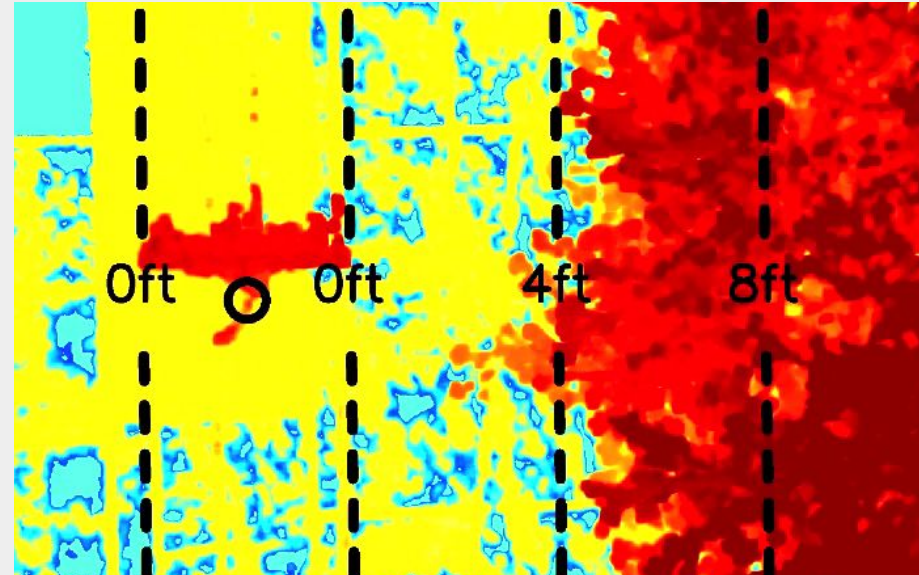
Ortho map captures current conditions in 100 megapixel image quality.



Height map reveals the relative height of poles to vegetation in the ROW.



A tool that help you assess vegetation encroachment



A tool that generates reports for you

Aug. 2, 2022



Aug. 22, 2022



Priority: **High**

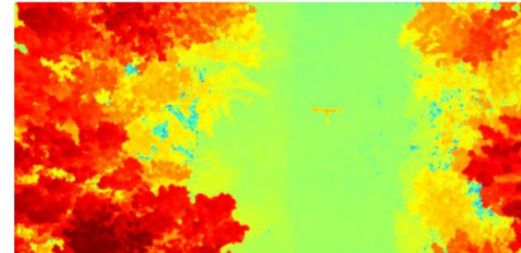
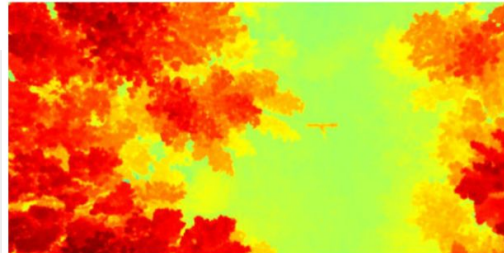
Condition: **Tree Clearance**

Date: **September 2, 2022, 15:08**

GPS Coordinates: **44.616847 -123.25477**

Available Images: **color, height, markup**

Notes: **Tree encroachment**



A tool that finds your assets organizes its images for you

Front View



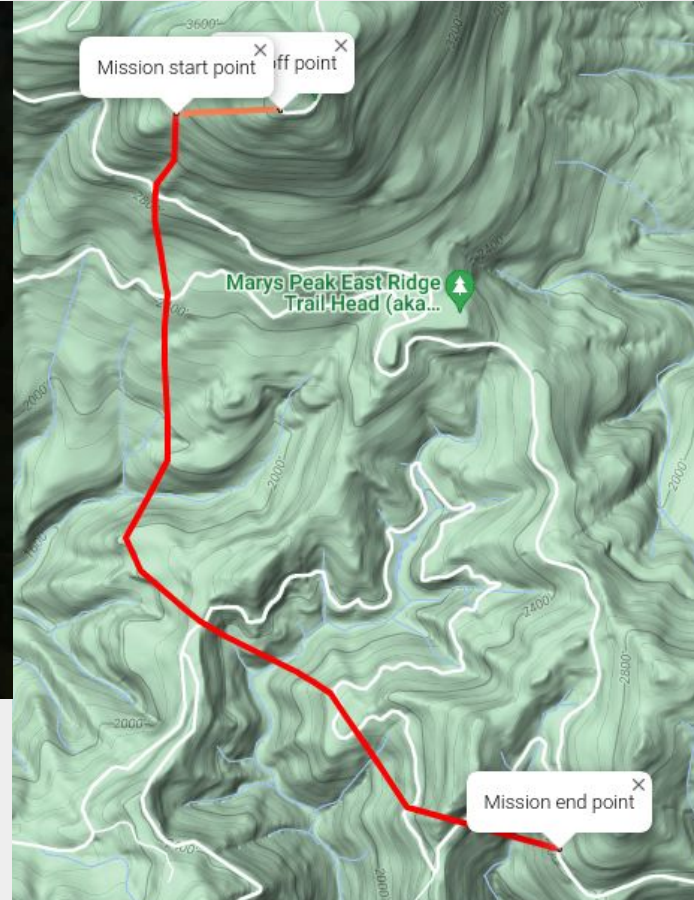
Top-Down View



Back View

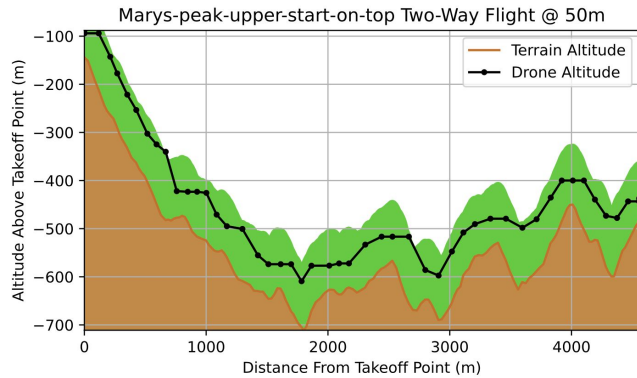


A tool that helps your drone to navigate safely



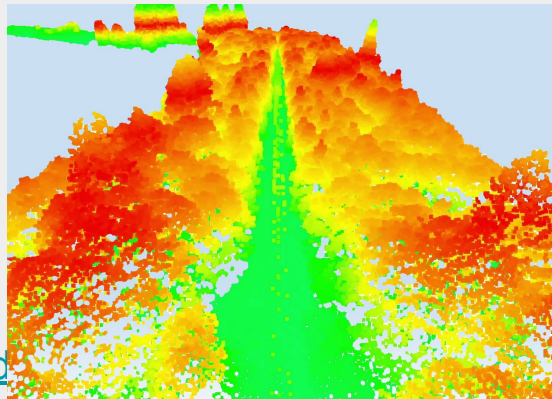
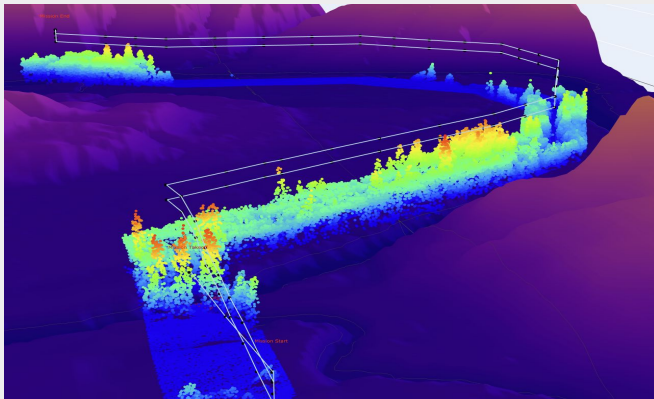
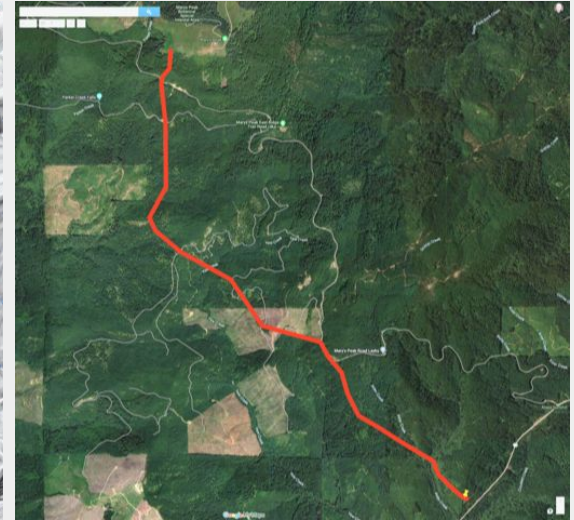
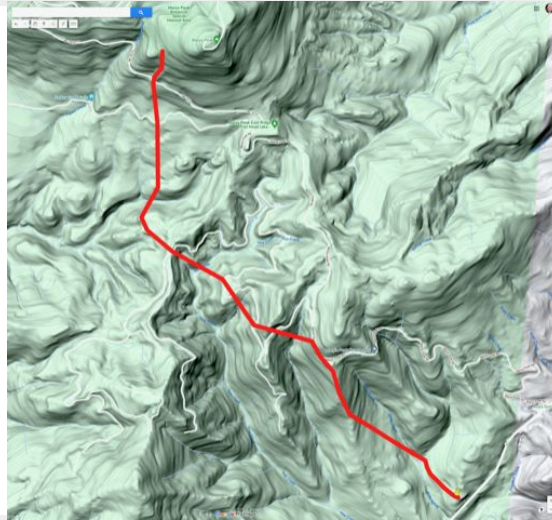
A tool that helps you make a safety case

SeeMore Mission Profile

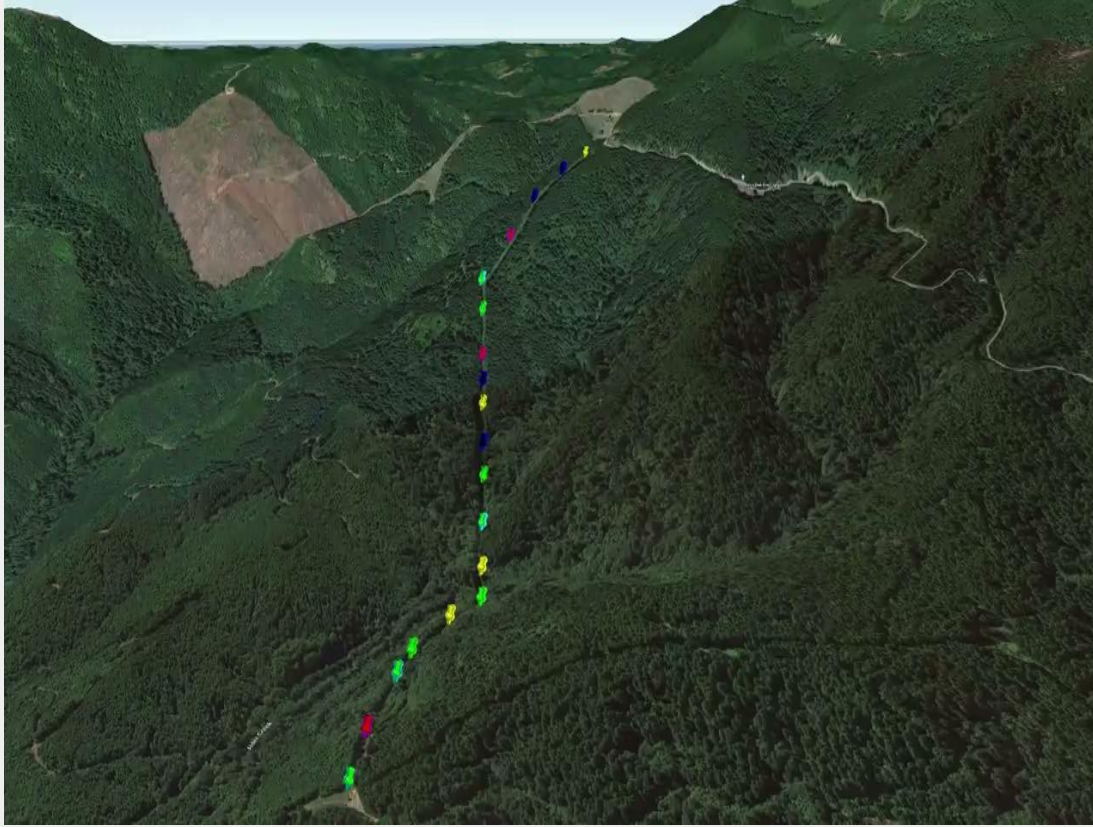


Max Altitude: -100m
Max Distance: 5010m

Inspection Speed: 5m/s
Return Speed: 8m/s

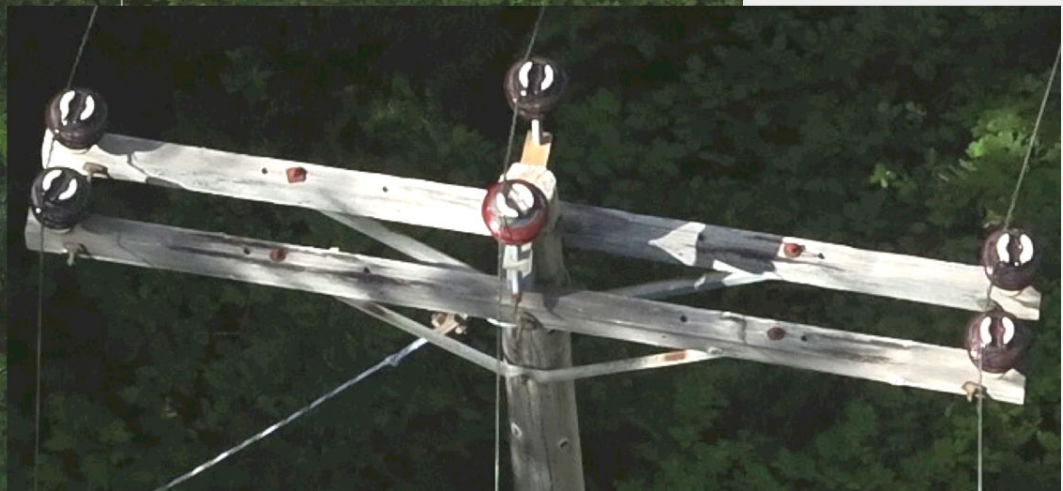


Marys Peak -- assets found and geolocated



Marys Peak -- assets captured with 7x zoom camera

DJI M3E
2023-09-20 16:20:31
44.459473°N 123.519733°W 347.536m



Marys Peak -- hazard trees found and geolocated



SeeMore finds hazard trees hiding under green canopies!

drone's oblique view



top-down (satellite) view





A tool that makes your job EASIER

- Automated, Safe, Repeatable Missions
- Focus on Imagery you Need
- Use SeeMore as much as you want
- VM and Pole-top inspections in one flight
- Documents your due diligence
- Enables Sharing with the rest of your team

With Systematic,
Pre-Wildfire-Season Inspections
of your Territory,
EVERYONE will sleep better!

- ✓ your team
- ✓ your regulators
- ✓ your insurers
- ✓ your members & customers

