













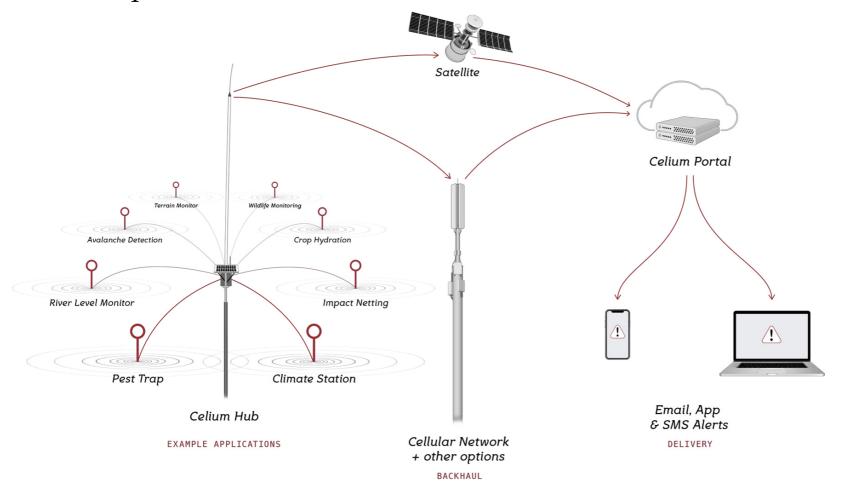
Reducing feral cat predation

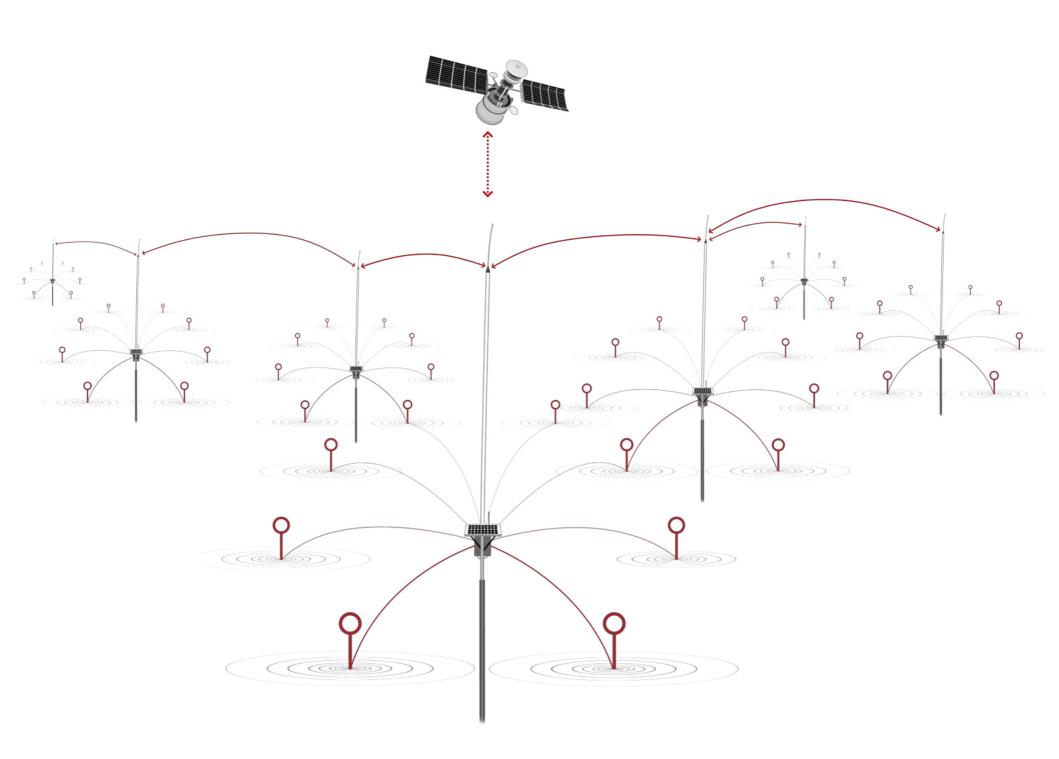
- 117,000 ha
- > 60,000 trap nights
- > 1,400 feral cats removed in 3 years



Improving trap efficiency

- Encounter Solutions 'Celium' technology
- Wireless (VHF) network
- Extremely efficient (low power and long range) across rural and remote landscapes

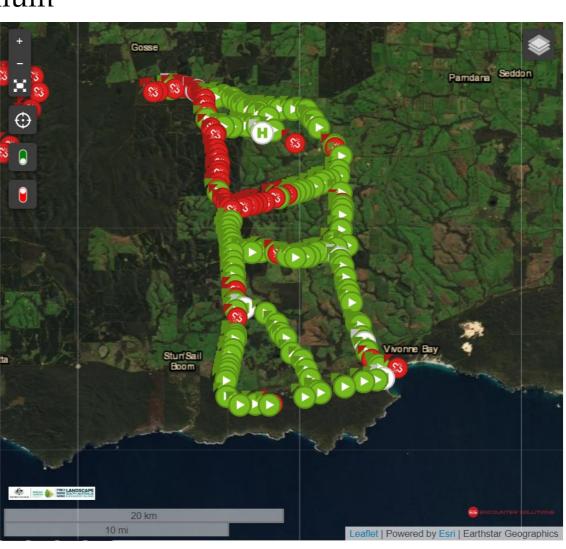




Measuring performance

- 180 traps over 17,000 ha
- 2 week trial, checking all traps
- Second 2 week trial, using Celium

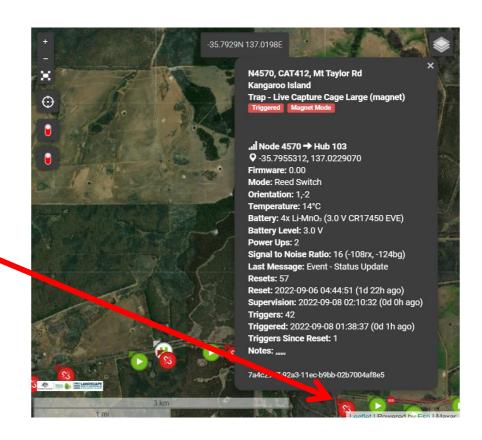




Results

	Trial 1	Trial 2	_
Trap nights	1,324	2,287	
Triggers	100%	354	
Cats captured	47	33	





Benefits

- Traps open 80% of the time when checked manually
- 70% reduction in time and effort
- 43% reduction in vehicle km travelled daily
- Improved animal welfare outcomes



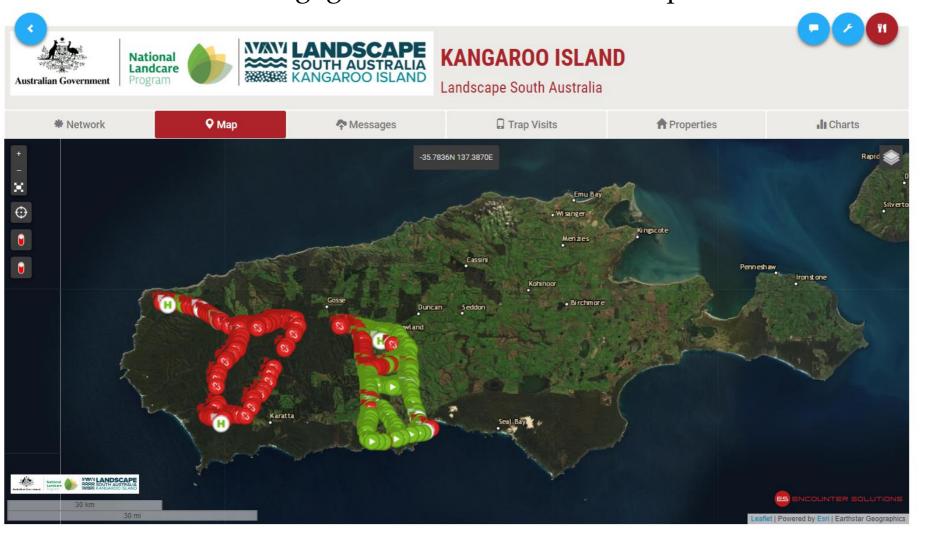
How this measures up

- Return on investment for a 12 month program
- Cost-benefit analysis indicated a 36.2% decrease in cost
- ROI in less than 6 months



Making the most of these efficiencies

- Expanded network to 88,000 ha, connecting > 300 traps
- In first 15 weeks, 200 feral cats removed
- Collaboration and engagement = effective landscape scale control



Indicators of recovery and persistence

- Post-fire island-wide surveys replicated across 280 sites
- KI dunnarts detected at 101 sites

	2020 - 2021	2022
Time to detection (nights)	25.5	7.3
Frequency of detection (50 nights)	2.3	4.6
Changes in occupancy (no. sites detecte	d) 50%	68%





Thank you

Paul Jennings – KI dunnart project manager

Chantelle Geissler – Feral cat project officer

Joe Donaldson – Feral cat field officer

Kelly Gledhill – KI dunnart project officer

Hannah Byrne-Willey – KI dunnart field officer

Simon and Kate Croft – Encounter Solutions

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