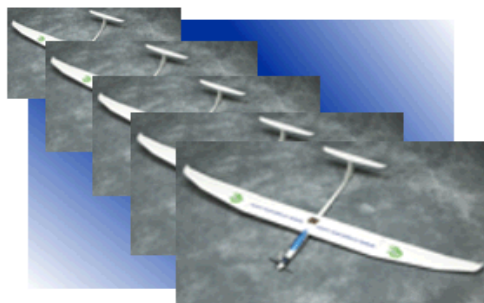


# UAV

## Unmanned Autonomous Vehicles

### Short Range Agricultural Solution



#### SPECIFICATIONS

Type	Mini UAV
Weight	6 pounds
Engine	Electric Brushless
Power	Lithium Battery
Altitude	400-2200 feet AGL
Flight Duration	20 Minutes
Camera	High Res Colour, NIR*
*Under development	
Operates out to visual range (2km)	

Our low cost system is based on a commercial off-the-shelf model glider plane equipped with a Trimble GPS, miniature autopilot and a Pentax digital camera. The operator simply stands on the edge of the field and the UAV does the rest navigating in a pattern over the field taking aerial images. The system can cover 320 acres in approximately 20 minutes

### Mid Range Agricultural Solution



#### SPECIFICATIONS

Type	Mini UAV
Weight	12.5 pounds
Engine	Electric Brushless
Power	Lithium Battery
Altitude	400-3000+feet AGL
Flight Duration	1.5 Hours
Camera	Low Res live Video* + Hi Res Colour or NIR
*Live video out to 10km and control link range out to beyond visual range (20km)	

The mid range UAV solution is a step up in capability and performance for applications that require larger payload and endurance options. This system can cover approximately 1000 acres in 1.2hrs.

### Flight Services (Long Range) Agricultural Solution



#### SPECIFICATIONS

Type	Small UAV
Weight	19 -25 pounds
Engine	26cc
Fuel	Unleaded
Altitude	400-12,000+feet AGL
Flight Duration	4.5 Hours
Camera	Low Res live Video* + Hi Res Colour + NIR
*Ability to carry various camera's simultaneously including multispectral, video and still. Operates beyond visual range	

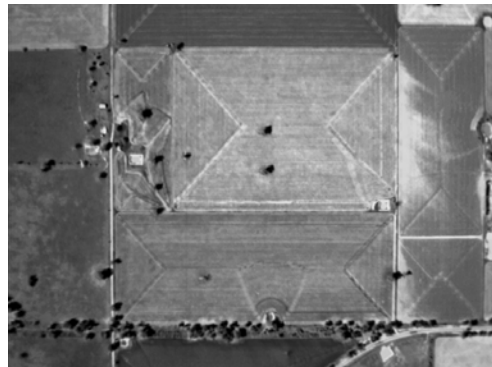
Queensland Based Australian Owned Globally Focused

**Applications include...**



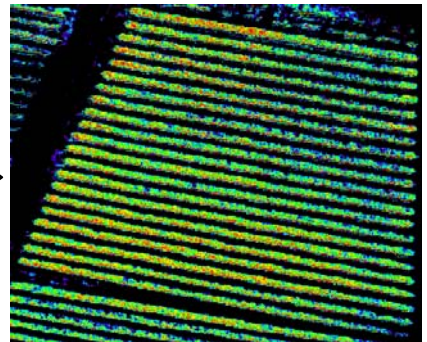
Low-level oblique and imaging of crops for weeds, pest and disease pressure

NIR imaging of herbicide injury →



NIR imaging of top dressing efficiency

Ultra-high resolution (~10 cm) imaging applications →



Replay live-feed fly-overs to evaluate infrastructure (fences, water storages, water points) and make sense of other field data