



AERIAL SURVEILLANCE AND RESPONSE SOLUTION

Holistic service offering. Tailored solution. Expert delivery.

Securing large, remote areas – effortlessly.

The risk environment is continuously evolving with criminals adopting ever-more sophisticated means to access properties and assets. At Thorburn Security Solutions we stay one step ahead by employing innovative new products and services to drive down the crime rate through proactive risk mitigation. We introduce Thorburn's **Aerial Surveillance and Response Solution**, that offers cost-effective, compliant drone surveillance for large and remote properties.

THE CHALLENGE

South Africa has one of the highest crime rates in the world, with an ever-advancing criminal network that adapts its tactics to tamper with and work around security systems. Large areas not only require costly perimeter protection but also the means to continuously monitor, maintain and secure them. The capital required to install large networks and camera systems can run into millions of Rands to implement and maintain. In addition:

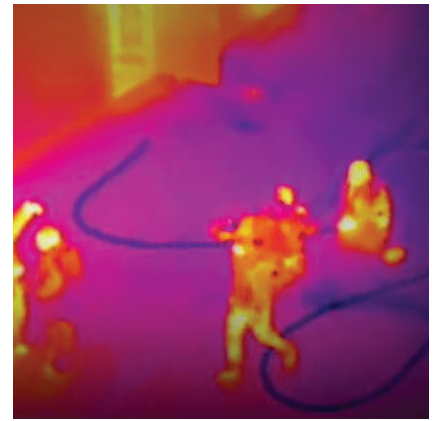
- Stolen resources result in loss of revenue.
- Sabotage of critical plant or infrastructure result in production down time.
- Bushy, overgrown areas not only limit access to security officers but decrease visibility when tracking intruders.
- Armed suspects pose a safety risk to staff and security officers.

THE SOLUTION

Thorburn's **Aerial Surveillance and Response Solution** includes remotely operated drones and aircrafts with advanced thermal and optical technology for a hawk's-eye-view of large and remote properties. We provide effortless, large-scale support and an overview of facilities to deter criminal elements from gaining access to premises. Our solution is provided within the framework of the Civil Aviation Authority. All pilots and crafts are registered and have the required pilot's license, Air Service License (ASL) and Remote Piloted Aircraft Operator Certificates. All of which makes Thorburn one of only a few service providers that can legally fly in controlled air space at a distance from the operator (beyond the visible line of sight).

Our solution includes:

- Air support surveillance 24/7/365
- Rapid response from our tactical units and guidance from the National Command Centre
- Perimeter monitoring and patrol
- Border monitoring and perimeter control
- Thermal inspections to identify trespassers and intruders
- Real time video and location feedback during operations
- Tracking suspects on the chase



AERIAL SURVEILLANCE SOLUTION

Thermal imaging

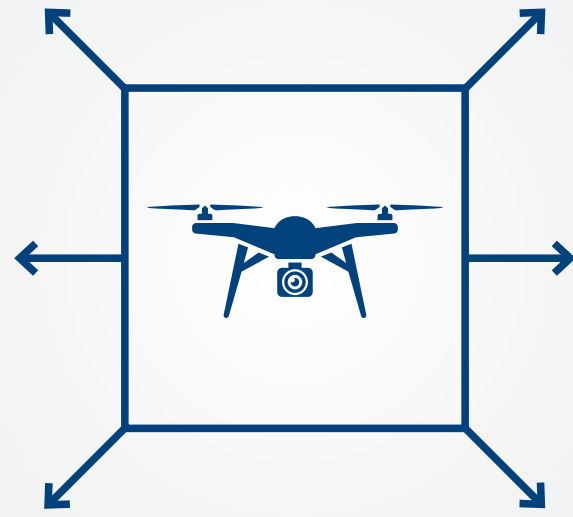
- Substations ■
- Powerlines ■
- Structures ■
- Water Leakage ■
- Spontaneous combustion ■

Geology

- Highwall profiling ■
- Short-term modelling ■

Environmental

- Discard dumps ■
- Vegetation ■
- Berms ■



Blasting analysis

- Tracking and blast-radius clearance ■
- Blasting videos ■
- Blast design ■
- Crest and toe identification ■

Surveying

- Stockpile reporting ■
- Tailings ■

Security

- Suspect tracking ■
- Activity tracking ■
- Border patrols ■

THE BENEFITS

The greatest benefit of aerial surveillance is the peace of mind it offers in knowing that criminals will be detected before a perimeter is breached. To ensure complete protection, Thorburn assesses your facility to establish the key risks and put together an operational plan that tailors drone, physical, electronic and intelligence services.

The advanced detection and deterrence capabilities of aerial surveillance allow a clear overview for Thorburn's tactical teams to coordinate the most effective response to intruders – saving time and resources.

Other benefits include:

- Responsive to intruder information and alerts
- Risk reduction and mitigation
- Surveying and 3D mapping
- Easier and more effective perimeter patrols at night in tough terrain
- Aerial surveillance crafts that are an effective deterrent
- An ever-evolving security system that stays ahead of criminal threats to business

Contact us for a free risk assessment and recommendation:
+27 (0)87 820 3851 | sales@thorburn.co.za



a TSEBO solution