

# Drone Security Services

Increasing security incidents and evolving threat models force many businesses to adopt a common approach, to supplement with additional manning and encumber the additional cost. It is believed that this increase will provide adequate coverage and effective threat mitigation. Our response is to provide specialist drone security services, rendering a reduction in manning and overall attributed cost, increasing efficiency and situational awareness, reducing response times, and improving intelligence collation.

Unmanned aerial vehicles are revolutionizing many aspects of security work. Because they can go where security officers cannot. Drone technology can fundamentally change how security respond to a wide range of incidents and help keep officers and the public safe. For smaller agencies, drones provide an airborne asset that was previously financially out of reach.

Chronic Crew investigate the channels to provide a service that will offer you efficient, multi-role and labour saving strategies through our operational delivery. We deploy remote pilot aerial systems (RPAS) controlled and guided by security professionals, amalgamating this experience with technical capability, specific to your location, environment, and industry

**Rapid Response, Situational Awareness and Intelligence Gathering**  
Drone security offers immediate response to potential increasing and escalating threats, limiting delays in decision making time in critical situations. It allows for rapid 'eyes' on target, and increases accurate and timely passage of information to key individuals whom must act quickly. Normally guards or HSE have to respond in the first instance, to an unknown situation, putting their own safety at risk. A drone provides improved safety for security and other employees by classifying, and confirming a likely threat, ensuring that any required response is well briefed, prepared, justified and proportionate.

## Efficient and Cost Saving

Chronic Crew provides a cost-effective solution; self-sufficient, sustainable dynamic and mobile. We can provide overwatch of large sectors or target specific areas of susceptibility that require strengthening. A drone security service will rapidly plug any weaknesses in defense or scale up capability for an increase in threat to staff, assets and premises, deployed as a stand-alone service, or attached to supplement existing security measures. Chronic Crew offers mobility,

technical ability, intelligence, efficiency, and cost savings to ensure that our service remains affordable and sustainable.

## Drone Security at Night

The deployment of security drone services at night provides our clients with huge advantages in detection beyond daylight hours. When combined with thermal imaging, our drone security operators are capable of detecting threats in complete darkness and at far superior range than traditional security patrols.

Security drones deployed at night offers a huge increase in resilience to potential harm, coercive change and hostile action. We deploy powerful visible spotlights and high resolution thermal cameras to support traditional foot, mobile, and K9 patrols.

### Drone Spotlights

Using spotlights provides our drone security team unique advantages whilst having an extremely effective psychological effect on potential intruders.

Using high powered spotlights assists in:

- Increasing the security posture of patrols and deters criminal behavior
- Illuminates intruders and records imagery in color using onboard cameras
- Provides illumination for responding security and emergency services
- Pin points a location and provides a steer for personnel on the ground

Operating drones at night with thermal imaging provides the following advantages:

- Significantly improves the security posture of a facility, site or estate.
- superior perimeter protection from all directions
- Increases the detection range beyond the protected buildings, covering surrounding areas in depth. Detects intruders prior to entering the site
- Identifies intruders without the requirement of ambient lighting or extensive use of perimeter lighting
- Detection beyond 2km from 400 feet in height, in complete darkness

- Reduces the manning required for physical patrols - particularly larger areas
- conducts clearance patrols much quicker than security personnel on foot
- Reduces the risk to ground security personnel
- Covers all CCTV 'black spots', and compliments existing networks
- Reduces decision making time and provides real time accurate situation reports
- Provides a fire watch and alerts personnel to abnormal heat detection

### K9 Drone Security Services

Receiving specialist training to 'Detect and Deter' using a combination of our security drones with thermal imagery, and high-powered spotlights, and security dogs. Identifying a heat source from a safe distance, our K9 Drone Pilot can assess the risk and deploy 'man's best friend' to track and apprehend a possible physical security threat.

This formidable team increases the security effectiveness and visual deterrent, reduces security costs on larger sites with multiple security personnel – whilst lowering the risk to handler and dog.

### Handler, Dog, Vehicle, and Thermal Imagery

Chronic Crew provides professionally trained NASDU certified dog handlers who are capable of delivering a high standard in drone surveillance using thermal imagery. The combined approach of technology and animal increases the deterrent and ensures we can deliver a highly capable security capability to our clients over large areas, whilst deterring criminal activity and keeping our Drone Pilots and security dogs safe.

By combining these skills into one service, our clients benefit from a reduction in manned guarding and the result in savings.

# Residential Security Services

Residential security teams (RST) offer families peace of mind that they can conduct their daily routines, safe in the knowledge that professional security officers are providing effective physical protection. Chronic Crew combines drone technology and deploys our residential security officers with the best in small thermal drones to protect life and property. This combined specialist approach greatly improves the security on location, and is a much greater deterrent compared to traditional patrols without aerial support.

## Why Chronic Crew ?

Chronic Crew offers a strategic advantage, and a superior level of security for our clients. Our teams are meticulously selected former military and police with extensive experience in providing close protection and security. Our officers are Close Protection security licensed, vetted, and medically trained. Chosen for their emotional intelligence and capabilities, our residential security officers deploy powerful small discreet security drones to counter the threat from modern criminals. In doing so, we offer a higher level of security resilience compared to traditional services.

### Discreet and Non Obtrusive

Our residential security drones are small but pack a punch! Fitted with ultra quiet propellers and high resolution thermal cameras. We can be 'not seen and not heard' by family's and guests whilst monitoring extremely large open areas in seconds.

Our drones can deter adversaries quickly and without physical confrontation and escalation by attaching high powered spotlights and speaker systems.

Our security officers can determine risk from safety and there are no areas of an estate or property in 'black spots' for intruders to exploit.

## Our Drone Security Residential Service Can:

- Reduce physical security manning requirements lowering overall costs
- Integrate into existing CCTV systems
- Provide advanced fire protection, - fire warden

- Rapidly conduct perimeter patrols, quickly and safely
- Classify potential risk from a safe distance
- Provide real time, live, high definition video imagery
- Locate intruders in complete darkness using thermal
- Provide a psychological deterrent to criminals
- Contribute to rural community support teams in the reduction of rural crime

### Protecting your Privacy

Chronic Crew offers our clients a drone detection capability. It ensures that our security team can monitor the airspace above and around your property.

Drone detection can:

- Protect from snooping and paparazzi
- Detect malicious use of drones by criminal elements
- Locate intrusive drones and determine the drone and Remote Pilot location for security personnel
- Provide the intruding drone ID information and collate evidence for the police
- Provide peace of mind that your privacy remains intact from airborne cameras

## Drone Detection Services

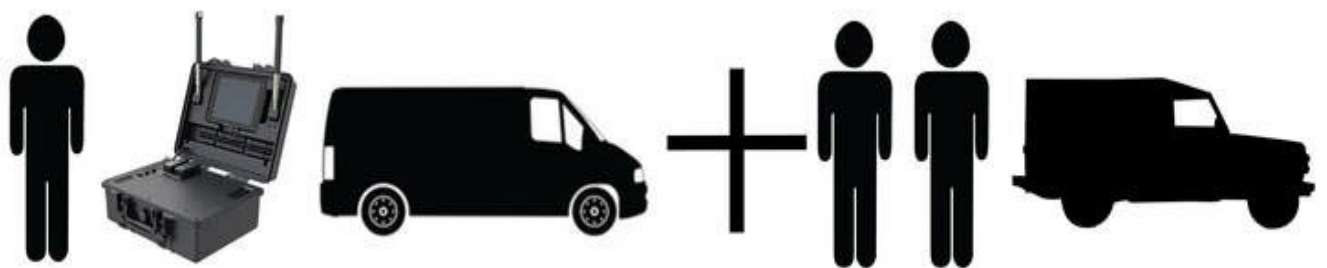
With the rising popularity and accessibility of consumer drones globally and in SA, there is an increased risk from irresponsible and unlawful drone remote pilots. Due to the increased threat to safety and security, Chronic Crew offers a highly effective strategy, combining drone detection equipment, qualified ground personnel and our own surveillance drones to combat the threat of rouge drones. We offer a tier layered system, capable of scaling up to meet various threat levels and demands.

### Option A. Drone Detection Team



Two drone detection operators, utilising mobile drone detection equipment from our Operations Support Unit (vehicle), at a fixed location on site. Our system can be patched into the control room via the existing CCTV network, ensuring transparency on the drone and remote pilot location. Control room personnel will be able to see the location of the drone in real time on a google map overlay, whilst communicating directly with our operators through the use of on site radio communications.

### Option B. Drone Detection and Counter Response Team



Assisting the drone detection, two proactive experienced surveillance agents, trained in the Air Navigation Order (relevant to UAS / drones), video and

photographic evidence, common and criminal law (relevant to trespass, criminal damage, public order and criminal offences) and the chain of custody and continuity of evidence. Primarily former military and/or police personnel, our team will deploy to the location of the remote pilot (utilising a response vehicle) and seek to mitigate the threat of the drone incursion using all existing laws and extensive knowledge of relevant laws and bylaws. The team will liaise with police on location in order to seek an arrest, removal of the drone and/or prosecution of the offender where possible.

### Option C. Chronic Crew Drone Security Team and Drone Detection



A highly effective solution is to combine an Chronic Crew drone security team with drone detection technology. All assets combine resources to assist in tracking rouge drones and remote pilots using drone detection equipment and Chronic Crew surveillance drones.

### Drone Threat Risk Assessment

Effective security requires a layered approach that keeps up with today's modern advances in drone technology. The misuse of drones can target and effect corporations, public and private sectors.

The Hostile use of Drones can be Deployed for the Following:

- spying, corporate espionage and extracting information, the ability to collate information covertly and unbeknown to the organisation or individual
- cyber security, spoofing, and extracting information over wireless networks
- covert surveillance, conducting reconnaissance during criminal planning phases as a lead up to direct action - theft, crime
- assisting demonstration groups, providing intelligence
- a means to disrupt operations, intentional hazardous or disruptive flights endangering life and damage to property

- using the imagery without permission for the benefit of others - sporting events and betting
- surveillance of individuals for profit - paparazzi
- Assessing the Risk
- Prior to considering technical detection equipment, it is vital that a threat risk assessment is first conducted in order to better understand any perceived threat and risk to your establishment. Drone technology, detection, and the law is an ever changing landscape, and we advise our clients not to make rash decisions on technology with limited understanding of the law, detection equipment capability, ongoing trails of emerging equipment, and procedures and policies that are first required.
- Chronic Crew will work directly with your security management to better understand and evaluate the risk from rogue remote pilots and drones.

#### Deploying Detection Equipment for Drone Threat Risk Assessment

Chronic Crew will recommend deploying drone detection equipment as part of the Threat Risk Assessment. Non permanent, with no disruption to your daily operations and no maintenance. The technology will enable us to record accurate incursions from drones into your airspace. Chronic Crew will commission the equipment and control the process and output data, recording all findings.

Over an agreed period of time, the data will form part of our audit and enable us to provide information on:

- drone use in your airspace
- types of drones being flown
- where are they being flown from
- telemetry - including direction and distance from key infrastructure
- duration of flights. persistent aerial surveillance or casual over flights
- repeat incursions - day and time specific

#### Mitigating the risk

Deploying drone detection equipment is part of the overall assessment, which enables us to provide a detailed report on our combined audit. The report will enable us to make recommendations based on factual evidence and our consultation with you.

### Why choose Chronic Crew ?

Chronic Crew is a licensed drone security company, and the leading expert provider of security and surveillance drone services in the United Kingdom. Our experience in specialist security, surveillance, and drone operations means that we have a thorough understanding of both professional drone security service delivery and the likely criminal use of drones. An expert understanding of both the security and drone industries insures we are ideally placed to consult on the required steps to protect your people and organisation.

### Our Mission Statement

Our mission is to provide our clients innovative new approaches to security and surveillance services provision whilst deploying remote pilot aerial systems. Creating efficiencies, improving standards, reducing risk, and saving money.

### Consultation

Every inquiry is treated equally, and we understand our client's challenges are all unique. We assign one of our experienced security consultants to work with you on a one-to-one basis. We never look to force our services, and occasionally Unmanned Aerial Systems are not the best solution. But if we can explore ways to improve security delivery, reduce risks, and save money, we'll develop an approach that is safe, effective, and sustainable.

### Risk Assessment

Safety is always at the forefront of operations. As ambassadors and pacesetters within our chosen fields, we lead by example within our industry. A comprehensive Air and Ground Risk Assessment is conducted before any project proceeds. We take data security and privacy very seriously. Privacy Impact and data control are embedded into the culture of professional airborne surveillance within our company.

### Planning

Years of experience in challenging environments helps us to understand how our technology can best be deployed most effectively. We often liaise with other authorities and ensure all parties are on a common operating picture. Our security teams are well trained, and planning is diligently provided from a supportive management team, ensuring our security Remote Pilots can deliver services to a high standard.

### Deployment

We have a fleet of highly capable, all-weather drones, and we marry this technology with our professional security Foot Patrols, K9 Handlers and Mobile Response vehicles. Whatever the scope of work currently exists, we are confident we can make improvements. Providing our staff with some of the best training in the industry, we can deploy nationally across the United Kingdom.