



DC GEOMATICS
DRONE TECHNOLOGY

DRONE SERVICES





DRONE SERVICES INTRODUCTION

DC Geomatics has accumulated tens of thousands of take-offs and safe landings, in the new and exciting drone industry. DC Geomatics has achieved several industry firsts, with two of these being the first ROC holder in KZN (2017) and being the first ROC to operate simultaneously in five Divisions (2021).

Surveying n Mapping

- DC Geomatics has completed countless topographic, design and stockpile surveys for companies like De Beers, Rio Tinto, Anglo America & Tronox, along with several other lesser-known companies. In 2018, DC Geomatics was the first company to do Drone Lidar surveys under a fully compliant ROC structure.

Media

- DC Geomatics has completed countless filming, advertising, real-estate, events and commercial inspections projects. In 2019, we were the first company to establish a national network of fully licensed drone Media Pilots. This network still operates today and can capture data at low cost anywhere in South Africa.

Inspections

- DC Geomatics has completed inspections at most of South Africa's National key points and strategic installations, including sites such as Sasol, Engen, SAPREF and Island view military complex. We have been working with Delta scan in this space since 2019 and have concluded an exclusivity agreement with them in 2022 . This exclusive consortium will ensure that we set a united front between data collection, data processing and analytics, that is led by subject matter experts.

Agriculture

- In 2019, DC Geomatics was the first ROC to introduce fully licensed crop spraying drones to the South African Market. Since then, we have established a national Network of Crop Spraying Pilots and in doing so, were the first fully licensed Drone Crop Spraying company to have a national footprint in 2022.

Security

- DC Geomatics has gained significant security experience by means of our Hussar Security and Defence solutions consortium established in 2019. Together, this exclusive consortium has pioneered Armoured Personnel Carriers (APC's), being combined with commercial drones' operations in South Africa (2020). The consortium aim is to create incident free zones through implementation of tailor-made security solutions for complex sites.



DRONE SERVICES DEPARTMENT STRUCTURE

DC Geomatics has mapped out the process of commercial drone services. This workflow ensures that services are provided to a high level of quality. Our Services division is client focused and results driven.

- **Drone filming & Photography**

- Drones are the perfect partner for visual artists, as they can be deployed to achieve better results in a more efficient manner. Experienced operators, providing seamless integration of drone technology and professional services.

- **Drone Surveys & Mapping**

- Our surveying solution creates lower operational costs than traditional surveying methods, with quicker and safer deployment, especially when surveying hazardous and difficult terrain.

- **Drone Inspections**

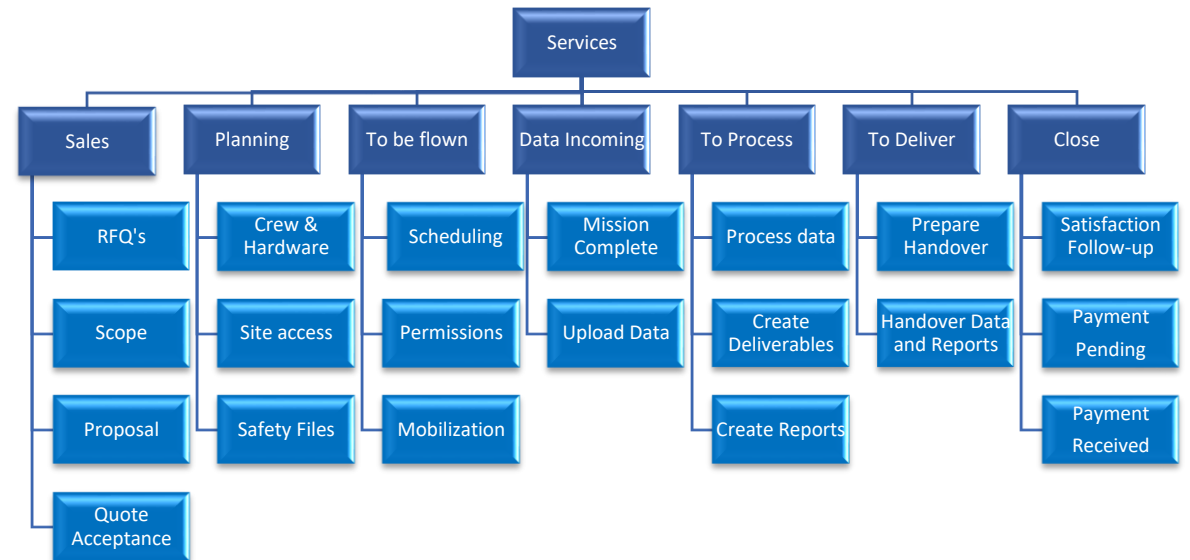
- Address the operational challenges faced by human inspections with our safe and efficient drone-driven aerial inspections, including industrial, commercial, and thermal inspection services.

- **Drone Spraying and Spreading**

- Crop Spraying drones are advancing the crop spraying, seeding and dusting industry. When combined with multispectral mapping the drone becomes a very powerful tool in modern precision agriculture.

- **Drone Security**

- Drones are an efficient and cost-effective surveillance tool as they are not limited to ground level line of sight. These drones can cover large areas and are equipped with state of the art thermal sensors that allow for detailed aerial surveillance day and night.





DRONE SERVICES OPERATIONS OVERVIEW



PROJECT SCOPE AND ASSESSMENT



QUOTATION AND ACCEPTANCE



FIELD OPERATION MANUAL AND FLIGHT EXECUTION



MISSION COMPLETE AND DEBRIEF

FIELD OPERATIONS MANUAL



BASELINE HAZARD AND RISK ASSESSMENT



PRE-SITE ASSESSMENT



SITE PERMISSIONS & SPECIAL PERMISSIONS



FLIGHT MISSION PLANNING



PRE-FLIGHT CHECKLISTS



ON-SITE HAZARD AND RISK ASSESSMENT



AIRCRAFT SAFETY REPORT



TASK-BASED HAZARD ASSESSMENT



FLIGHT FOLIO



AERONAUTICAL CHARTS



EMERGENCY RESPONSE PLAN



NOTAMS (AVIATION NOTICES FOR FLIGHT SAFETY)



DRONE SERVICES SERVICES OFFERED

COMMON DEPLOYMENTS FOR DRONE INSPECTIONS



CELL TOWERS



BRIDGES



COMMERCIAL STRUCTURES



CONFINED SPACES



EMERGENCY RESPONSE



FLARE STACKS

COMMON DEPLOYMENTS FOR DRONE INSPECTIONS



INDUSTRIAL STRUCTURES



SOLAR PLANTS



INDUSTRIAL ROOFING



CONDITION AUDITS



TANKS



WIND TURBINES



DRONE SERVICES SERVICES OFFERED

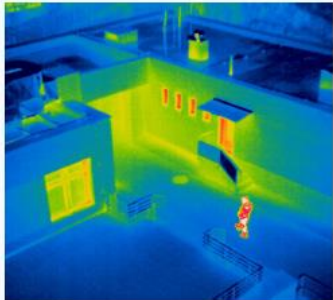
COMMON DEPLOYMENTS FOR DRONE SURVEILLANCE



DAY OPERATIONS



STEALTH SURVEILLANCE



NIGHT OPERATIONS



TACTICAL

COMMON DEPLOYMENTS FOR THE FILM INDUSTRY



FILM SETS



MARINE OPERATIONS



PUBLIC EVENTS



PRIVATE EVENTS



REAL ESTATE



FARMING & RURAL



DRONE SERVICES SERVICES OFFERED

COMMON DEPLOYMENTS FOR DRONE SPRAYING



DAMS AND RIVERS



FORESTRY



ORCHARDS



CROPS

COMMON DEPLOYMENTS FOR SURVEYS AND MAPPING



FARMING AND RURAL



AIRPORTS AND HARBOURS



MINING SECTOR



INDUSTRIAL CONSTRUCTION



URBAN
CONSTRUCTION

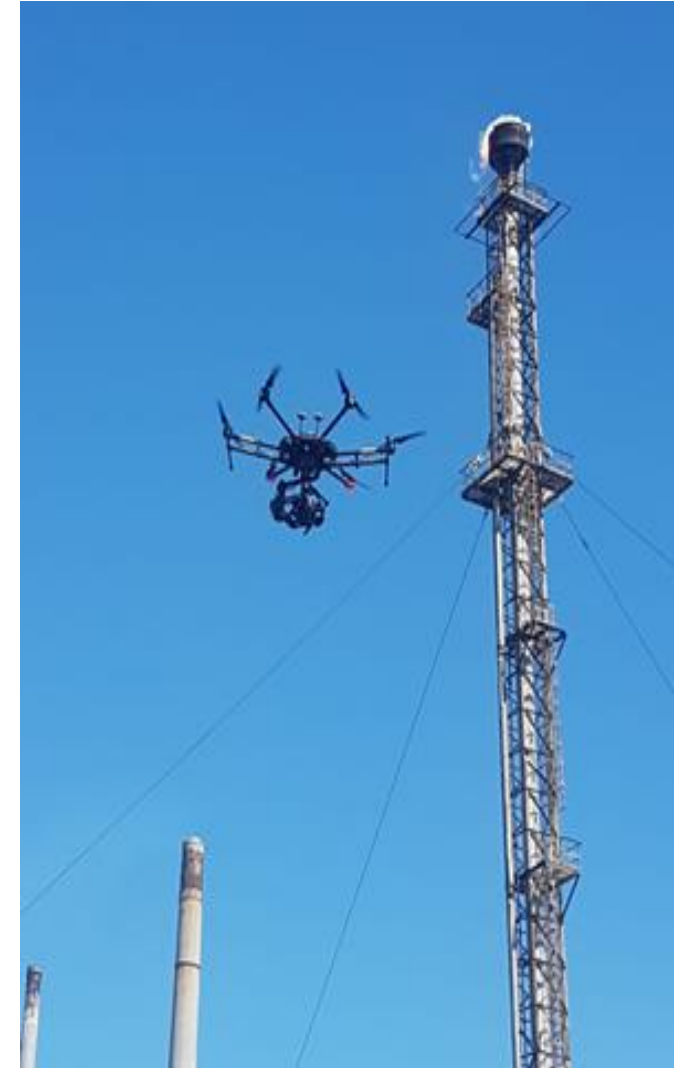


RESIDENTIAL
CONSTRUCTION



DC GEOMATICS
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DRONE SERVICES MEMORIES





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