Anomaly Detection for

Mine Clearance Operations

Deploying UAV, GIS, and Image Analysis in Mine Clearance Operations

Draganfly's approach to assist **Mine Clearance Organizations (MCOs) in achieving higher levels of efficiency** while also increasing the safety factor of their SOPs is supported by five key activities:

Consultation, Prototyping, and Test

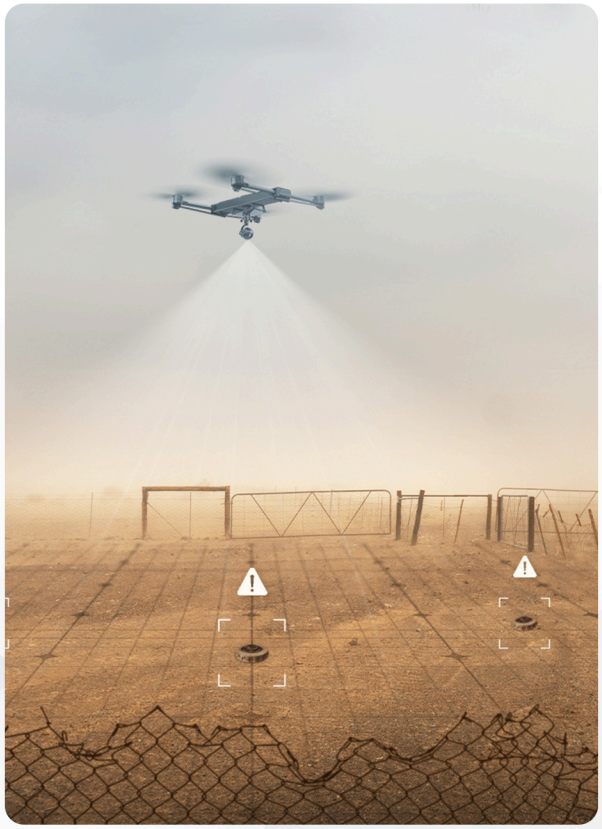
Collaborating with partner MCOs to understand mission requirements. Testing of **various sensors and collection methods** to establish baseline results. Validation and selection of a solution that: **can be easily and readily deployed; can be scaled; can be transferred to local operators or delivered as a service; result in a material improvement to MCO efficiency and safety.**

Field Validation and Deployment

Proof of concept and validation of recommend solutions. Development of **SOPs in collaboration with partner MCOs** to integrate Draganfly procedures and technologies into in-country operations.

Accurate & Repeatable Testing

Draganfly's gridded flight area allows for **repeatable and accurate testing of multiple types of sensors and equipment.** In combination of our geographically accurate grid, understanding what was placed, how it was placed, and where it was placed **allows us to train and improve our process, SOPs, and algorithms** to ensure continuous advancement.



Strategically Diverse

Located in Texas, Draganfly's demining test facility has over **150 acres of mixed vegetation and diverse environmental factors.** This enables the **rapid development of processes and standard operating procedures** to suit operations all over the world.

International Collaboration

With every UAS operation in a dynamic environment, it's important for both operators and collaborators to understand the ins and outs of side-by-side operations with the full solution team.