

# FIREFLY-UAI

UNCREWED AERIAL INSPECTIONS

## AERIAL INSPECTIONS

Providing 3D mapping, stockpile assessments, and emission-detection for air quality compliance

Aerial data acquisition provides rapid detection of fugitive gases for emission reporting compliance, stockpile volume assessments and construction progress reporting. We will provide the raw data for in-house processing or forward the data for processing and evaluation to the platform of your choice.



By providing timely, actionable information, Sniffer4D Mini2 provides the oil & gas industry, environmental protection agencies, and researchers improved efficiency, mitigated risks, and reduced costs.



## Detection of FUGITIVE EMISSIONS

**Sniffer4D Mini2** consists of compact, powerful multi-gas detection hardware, and user-friendly software. The system, mounted on a compatible DJI drone, can measure and visualise real-time gas concentration distributions.





# Remotely Piloted Aircraft Systems

DJI: The workhorse of aerial data acquisition

## DJI Mavic 3 Enterprise (M3E)



The DJI Mavic 3 Enterprise (M3E) is built for precision photo-grammetry and surveying. Equipped with a 20MP wide-angle camera and a mechanical shutter, it captures sharp, distortion-free images, even at high speeds.

## DJI Mavic 3 Thermal (M3T)



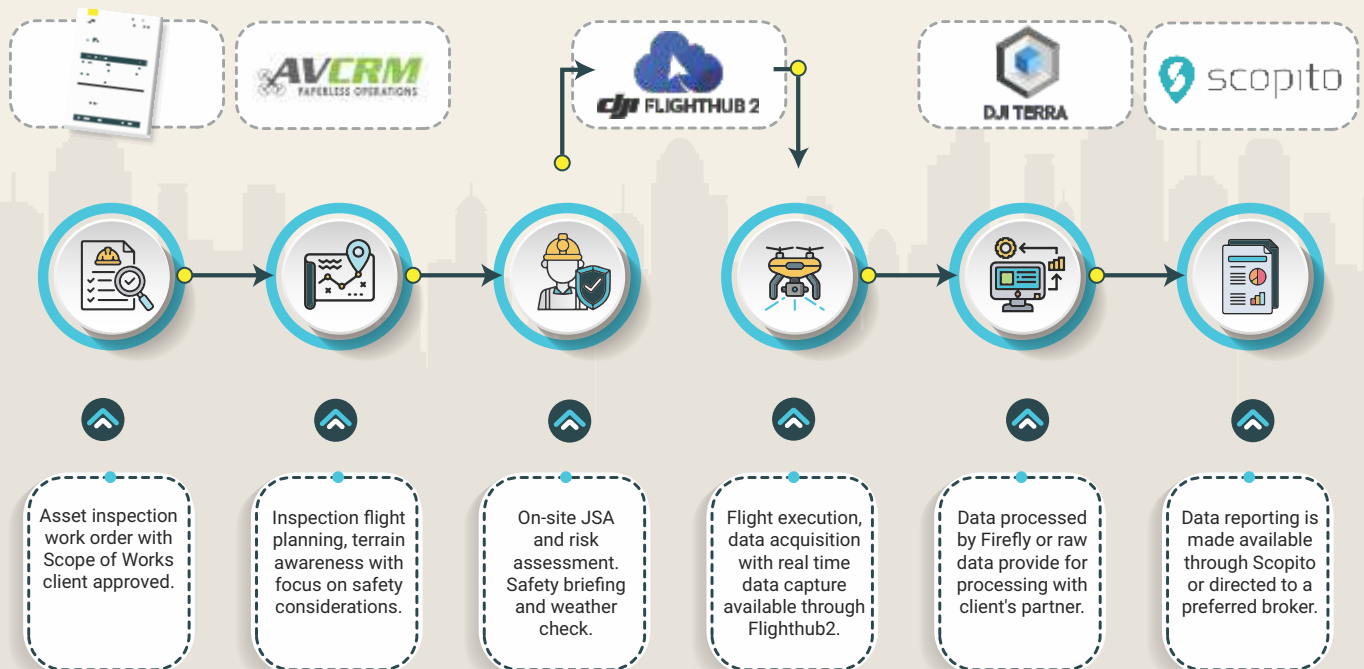
The DJI Mavic 3 Thermal (M3T) combines a 48MP visual camera making it ideal for asset monitoring and the detection of temperature variations.

## DJI Matrice 350 (M350)



The DJI Matrice 350 (M350) is designed for industrial grade applications, offering flexibility for heavy duty mapping and inspection tasks.

## A typical Firefly-UAI workflow:



We are CASA certified with the required licences and insurance for commercial operations. As members of AAUS, we ensure compliance and safe operations for every project.



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