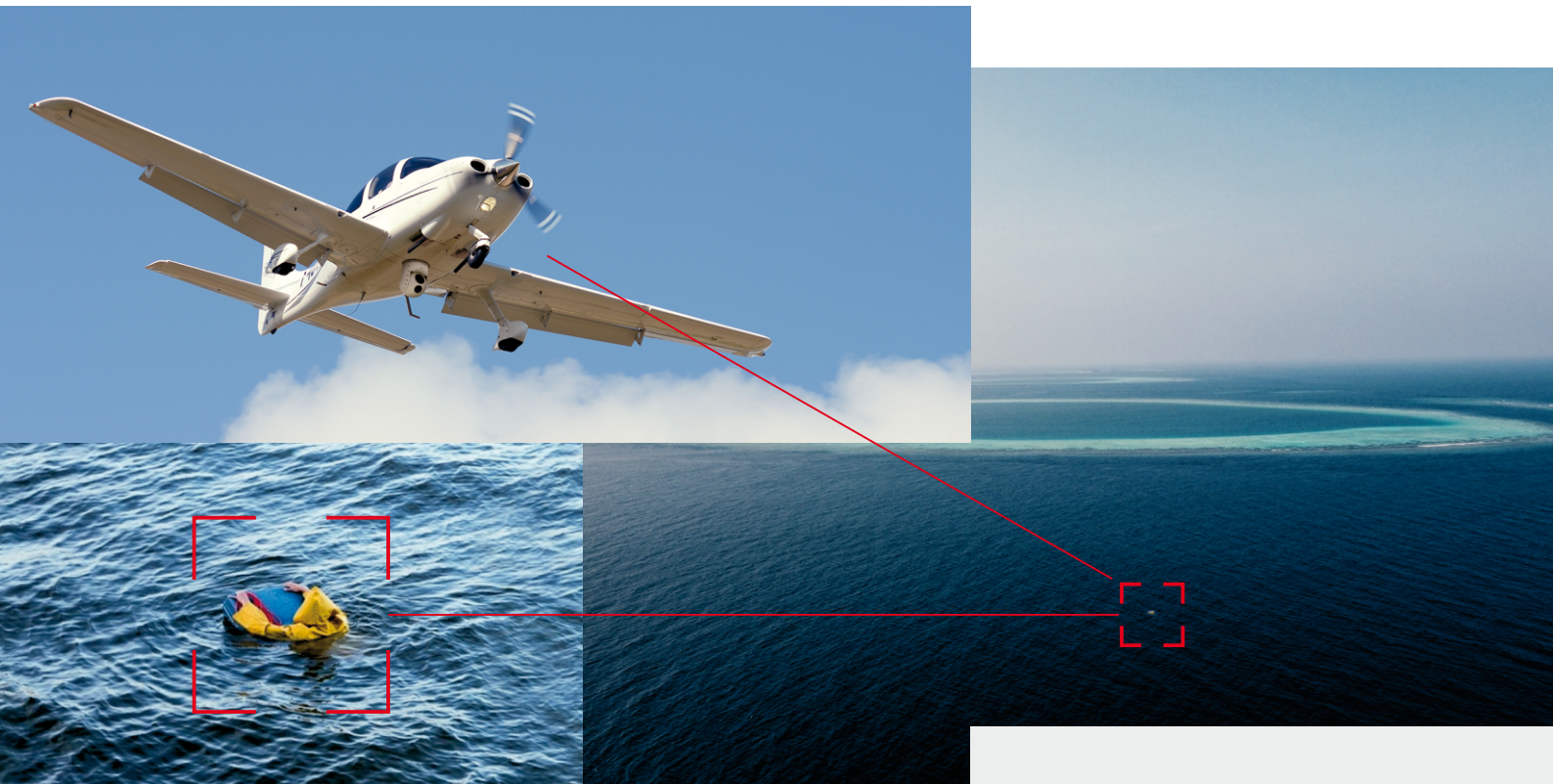# Automated Optical Moving Target Indicator (MTI)

Detect

IAS Optical MTI provides autonomous detection of moving objects over land and any object on the surface of the water beneath an airborne EO/IR sensor. The software analyses streaming optical imagery in real time and provides autonomous detections of objects operating in the scene. Data can either be presented visually, or as coordinates provided to downstream applications.

Classify

IAS Optical MTI classifies objects detected in real time, providing increased intelligence to operators, and reducing the time to make decisions. Operators can be presented with objects most relevant to their mission, filtering our objects that are less important.

Track

Objects presented by IAS Optical MTI can be optionally tracked when selected by an operator, providing a view in real time of an object's progression through the scene and relevant points of interest

Search Enhancement

IAS onboard integration enhancements provide optimised search functionality onboard the aircraft to significantly increase search coverage from existing optical EO/IR sensors through an optimised automated search pattern.

IAS automated optical moving target indicator is designed to extract actionable intelligence from existing airborne EO/IR sensors.

IAS set of Optical MTI software solutions provide a range of tools to detect, track and classify objects of interest and provide customised enhancements to the search capabilities.

Automated Optical Moving Target Indicator (MTI)
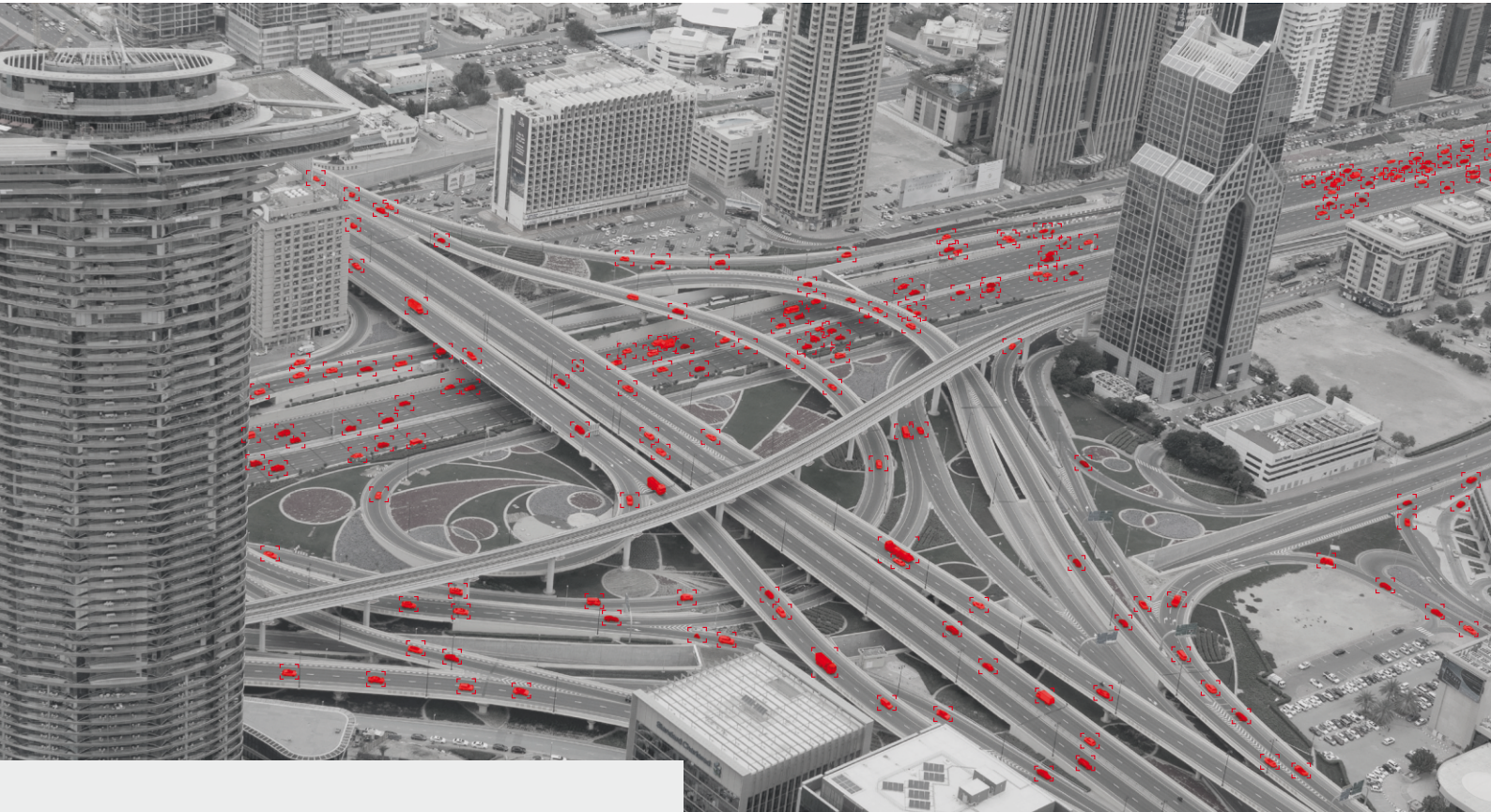
Platforms

- Fixed Wing
- Rotary Wing
- UAS

Integration Options

- **Ground Based Control Station or Remote View Terminal**
- **Airborne Mission System**
- **Embedded Processor** – Flexible processor options that scale to performance and capabilities

Capabilities

Small Object Detection and Tracking:
Down to a few pixels in size.

Object Tracking:
Track history of any object of interest

Object Classification:
Classifies objects detected into a variety of search categories

Real Time and Forensic:
Live and Post Processing of prior Operations

Geo Location Data:
Fully STANAG and MISB compliant

For inquiries, contact:
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