

## Module: Use of Drones as Investigation Tool

## Overview

Drones are increasingly utilized as investigation tools in accident scenarios, providing aerial imagery that enhances situational awareness. These unmanned aircraft offer the ability to capture high-resolution images and video, which are invaluable for assessing accident scenes.

Investigators have adopted drones to facilitate comprehensive site surveys, enabling the identification of critical evidence from perspectives that are difficult to access. Typical specifications for small drones include lightweight designs, stable flight capabilities, and advanced imaging technology.

Drones can also utilize photogrammetry software to create detailed 3D models of accident sites. While safety and operating principles govern their use, the future implementation of AI in drones promises further improvements in accident investigation efficiency and accuracy.

Programme Code M\_DRONE

## **Programme Outline**

- What is drone?
- The need of aerial imagery
- How investigator started to use drones?
- Typical specifications for small drone / small unmanned aircraft
- Uses and benefits of drones at accident sites
- Use of photogrammetry software to enhance the usefulness of drones
- Safety, operating principles and regulations
- Future implementation and AI

Programme Class	Classroom face-to-face
Contact Hours	4 hours
Certificate	Certificate of Completion