

3.2-O6. The Potential Use of Unmanned Aerial Vehicles During On-Site Inspections

Due to the rapid development of Unmanned Aerial Vehicles (UAVs) in recent years they have become a tool that could be applied during an On-Site Inspection (OSI). This talk will give an overview of the types of UAVs currently available and comment on how they could be used during an OSI. The talk will focus on how small to mid-sized UAVs could be used to take conventional and Multi-spectral and Infra-Red (MSIR) imagery of the whole inspection area or individual polygons of interest in an OSI. The current and potential future capabilities of UAVs applied to the unique challenge of an OSI will be discussed. The technical and non-technical challenges facing UAV use in an OSI, such as payload size and aviation regulations, will also be discussed.

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