

# Workshop on multicopters for inspection

Wednesday 16 June 2021

This is now a virtual event

## Multicopters Workshop

This webinar follows on from the successful 2018 workshop and will present delegates with information about the current progress of developments for multicopters, commonly known as drones, for carrying out aerial inspections of industrial and other assets.

Multicopters are increasingly being used to conduct inspections of locations that are difficult to access or hostile to human inspectors. Great cost savings have been made through the use of multicopters when compared to traditional inspection methods that often require scaffolding to be erected.

Drones can carry high-resolution cameras, thermal imaging equipment or light detection and ranging (LIDAR) equipment. Recent developments include the deployment of ultrasonic sensors to take thickness measurements of remote components.

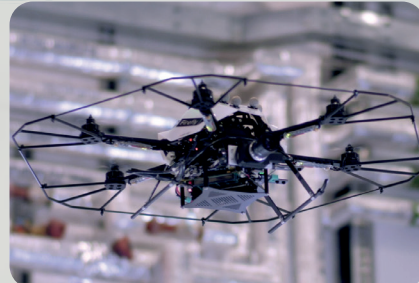
The aim of the workshop is to inform delegates of the legal, safety and training requirements, supported by case studies of a variety of applications, including oil & gas, wind turbines, rail, power generation and distribution.

*\*The webinar may be one or two sessions depending on accepted presentations.*

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### List of confirmed speakers

- Maximising efficiency of drone-captured data through digitalisation  
*M Whitton, Cyberhawk*
- Development of a training programme for safe use of drones in industrial inspections  
*R Rudd, ECITB*
- Delivery of contact inspections using drones  
*P Khalili, A Garriga Casanovas and F Cegla, Imperial College London*
- HOIS guidance for UAV-based external remote visual inspection  
*S Burch, ESR Technology Ltd*
- Advances in contact-based non-destructive evaluation using unmanned aerial vehicles  
*R Watson, T Zhao, D Zhang, J Cao, C MacLeod and G Dobie, University of Strathclyde*

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