



EC
ITB*

Foundation UAS Training Course

www.ecitb.org.uk

Positive impact of industrial drone usage

The industrial sector's growing use of Unmanned Aircraft Systems (UAS) in its operations is delivering a raft of benefits from improved safety to increased efficiency and significant cost savings.

The Oil and Gas industry, for example, is experiencing a dramatic reduction in worker exposure to work at height risks and to other hazardous environments such as the inside of storage tanks.

Combined with traditional techniques, drones are dramatically increasing the safety and efficiency of asset inspection.

Underdeck inspections have been reduced from eight weeks to five days, the risk to workers has been dramatically decreased and the ability of drones to inspect while an asset is 'live' is reducing downtime.

Providing cheaper and more efficient ways of mapping construction sites and tracking the progress of projects, the use of UAS operations to carry out tasks on industrial sites is also providing greater survey grade accuracy and an enhanced data set.





Demand for skilled drone operatives

In its recent report Skies Without Limits (July 2022), PwC estimates:

- commercial opportunities from use of drone technology in excess of £127 billion
- drones could add £42 billion to UK GDP, with 76,000 drones operating in UK skies and a total of 628,000 jobs in the drone-related economy
- £3.5 billion predicted cost savings from drone uptake in the construction and manufacturing sectors.

Trusted training to deliver the skills

To achieve a safer and more efficient delivery of current, planned and future infrastructure projects across the UK and globally, and to embrace the possibilities of the data-centric world of Industrial Revolution 4.0, industry needs operators who can not only pilot Unmanned Aircraft Systems, but who possess the specific and essential knowledge and skills to carry out drone operations effectively in industrial settings.

The ECITB Foundation UAS training course will support both industry and people who would like to develop their knowledge and skills in industrial environments. It will provide operatives with certification to endorse their credentials and enhance their employability prospects.

Who is it suitable for?

The training course is suitable for:

- existing employees who wish to develop their skills operating UAS for their employer
- UAS pilots seeking to offer services on industrial sites
- anyone looking to gain a greater understanding of UAS as a career or business
- managers who would like an understanding of how to manage contractors and operations on-site.

What does the course cover?

Across five areas of People, Path, Planning, Platform and Procedures, the ECITB Foundation UAS training course gives operatives an understanding of drone functionality and how to conduct operations on industrial sites, safely, effectively and efficiently. It covers how to comply with site policies and procedures and is assessed by a practical flight competence test, where operatives pilot a real drone in a real environment and capture, store and share viable images, complying with data protection.

To support transferability of skills and competence for operatives, the course contains a consistently examined, quality-assured assessment that is consistent across all providers.

Next steps

If you are an employer or training provider interested in the ECITB Foundation UAS training course, please contact your ECITB Account Manager or programme.admin@ecitb.org.uk for further information.



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