



Unmanned aerial vehicle surveys and inspections for multi-sector infrastructure

Offering significant time and cost savings over traditional inspection methods.



James Fisher NDT (JF NDT) delivers significant time and cost savings fully accredited unmanned aerial vehicle (UAV) services for site inspections and surveys.

Our UAV service offers a highly effective solution for surveying large infrastructure, limited access and hazardous locations; minimising risk, cost expenditure and personnel requirements. Our UAV teams are fully CAA approved and holds an FAA 33 exemption for operations on land and at sea.

The UAV teams are comprehensively trained and highly experienced to deliver solutions tailored to the layout of the site and its inspection requirements.

For particularly sensitive sites, JF NDT can also call upon the specialist expertise of partners from the wider James Fisher group, including our nuclear, subsea and offshore divisions, adding an unrivalled level of sector-specific insight to our survey inspections and offering a rich source of management information.

JF NDT operates a range of vehicles and payloads for different applications including indoor confined spaces.

Key applications:

- Power plants, lines and towers
- On and offshore wind turbines
- Roads, bridges and rail networks
- Vessels, FLNGs, FPSOs and oil rigs
- Petrochemical refinery flare stacks

Key benefits:

- **Cost and time savings** – No disruption to operations and no need to contract specialist restricted access personnel, erect scaffolding or MEWP access
- **Risk reduction** – No risk of damage to infrastructure
- **Improved data acquisition** – Collect high quality data faster
- **Complete site access** – UAVs can survey every area of the site, accessing places that people or manned aircraft cannot
- **Complete confidentiality** – All data is transmitted via high level encrypted channels
- **Ensures compliance** – Gain a detailed overview of your entire asset for quality and compliance assurance

Case study:

James Fisher's UAV team complete world-first UAV chimney stack survey:

James Fisher's UAV team recently achieved the first ever external UAV high resolution structural survey of a chimney stack within Sellafield's high security chemical separation (SEP) active area.

The area surveyed presented a real challenge, with many components hidden or obscured within the larger structure. However, the UAV team – supported with expert personnel from James Fisher Nuclear – was able to show that its UAV was not just up to the task, it could also deliver detailed results faster and at a significant cost saving over traditional methods. Due to the success of this survey, further inspections using the UAVs are now planned at the site.



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