

FUGITIVE GAS DETECTION ACE-A-M300_OGI

PROJECT INFORMATION

Project: Fugitive Gas Detection

Type of facility: Floating Production and Storage Unit

Industry: Offshore Oil & Gas

Safety: Extensive Survey of All Asset Locations

Project efficiencies: Full Platform Survey in 1 Day



SCOPE OF WORK

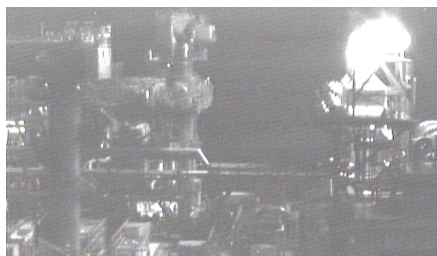
Air Control Entech visited an FPSO in the North Sea to perform fugitive gas detection.

SOLUTION

Completing a full platform gas detection sweep is time consuming and expensive. FLIR cameras are typically the sensor of choice and the survey normally involves someone walking around the full asset to identify and leaks.

ACE deployed the ACE-A-M300_OGI; an M300 RTK with bespoke Optical Gas Imaging payload to perform a full asset sweep without the need to carry bulky and heavy equipment around the platform and was able to easily access multiple locations throughout the asset which would have been typically problematic for traditional methods to access.

No unexpected gasses were found during the survey. Data was displayed and recorded in real time in front of the client representative then handed over electronically prior to demobilization.



Contact
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INSPECTION FROM EVERY ANGLE



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RESULTS AND BENEFITS

- > Access to at height locations inaccessible with hand held OGI devices
- > Large data set delivered
- > Data collected much quicker than if done by walking the platform
- > Safer than traditional access methods
- > Project delivered successfully under given time frame
- > Additional aerial shots of vessel provided to client

Factor	Conventional Access	UAV
Personnel Required	No conventional access	1 Pilot, remote
Cost	£20K-£50K	<£10K
Duration	5-10 days	1 day
Impact on operations	Possible sim-ops conflicts	Reduced cost & timeframe
Hazard	Moderate risk	Low Risk
Differentiator	Costly, time consuming, hazardous	Safe, efficient, multiple data sets acquired



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