

Sky-Futures™ UAS Inspection Services



Sky-Futures™ is a leading provider of drone-based inspection services to a global client base, operating in key industries including oil and gas; renewables; marine and port services; civil infrastructure and telecommunications.

With over 10 years' experience in the industry, Sky-Futures was one of the first companies to bring drone technology to the oil and gas inspection market and we continue to bring cutting edge technologies to support our clients' growing needs. We have an extensive customer base in over 34+ countries and have built up a wealth of experience both onshore and offshore.

With operations in the UK, USA, South America, Europe, Africa, Middle East, South East Asia and APAC, we understand the regulatory and logistical processes to ensure we can operate drone technology for our customers on a global scale.

INSPECTION REPORTING

A drone inspection team comprises a trained drone pilot and a sensor operator who is a qualified inspection engineer. The inspector will provide immediate reporting to the customer where any significant or critical anomalies are identified. Full inspection reporting is delivered once the job is completed and via our reporting software. This cloud-based tool delivers a web-based report, downloadable pdf documents and in 3D.

WHY DRONES?

- **FASTER:** We are up to 85% faster than tradition inspection techniques
- **SAFER:** Our drones can operate in winds up to 29 knots gathering high quality, measurable and dynamic inspection data whilst reducing the requirement for direct human exposure.
- **COST EFFECTIVE:** On a like-for-like basis drones are 85% more cost effective than traditional inspection techniques, we do not require the platform to be shut down and we only mobilises a 2 man team.

DRONES, DRONE SENSORS AND DATA

The drones we operate are proven, robust and reliable. They are high wind capable and have multiple redundancy built in. Sky-Futures have almost 60 variants of drones within our fleet along with a variety of sensors. We are able to use our extensive drone based operational experience as well as our in house technical expertise to ensure that the optimum platform and sensor are selected providing our clients with the most valuable and relevant data and information.

INSPECTION AND SURVEY CAPABILITIES

Sky-Futures are able to lean on our extensive experience to undertake a broad range of projects for our clients:

External Visual Inspections: GVI and CVI inspections of all topside structures (including live flares) as well as the splash zone and under deck. We can provide inspections to production platforms, NUIs, drilling rigs, FPSOs, refineries etc.

Confined Space Inspections: Sky-Futures are proud to be the first inspection company to successfully use drones for confined space inspections without relying on manned entry. The drone allows our teams to inspect storage tanks, COT tanks and other hazardous spaces without human entry whilst still gathering high quality and accurate data.

Photogrammetry and 3D modelling: We use drone mounted technologies to create digital twins of your structures or assets in order to have an 'as is' model. For areas where utilising a drone may not be viable Sky-Futures provide tripod mounted Lidar or laser scanning equipment allowing us to provide a digital twin of internal spaces or enclosed areas (such as cellar decks).

Methane Emissions Detection & Measurement: The SeekOps SeekIR sensor is designed to detect and accurately quantify methane emissions, to support operators as they work to meet their ESG requirements. Sky-Futures has partnered with SeekOps to deliver their market leading drone-mounted technology to customers worldwide.

Ultrasonic Testing: Sky-Futures are partnered with Skygauge to develop and deliver their drone based UT capability. It is anticipated that this will be ready for market in 2021.

Extended and Beyond Visual Line of Sight Capability: Sky-Futures have the in house technology to support extended and beyond visual line of sight operations. These drones can be used to support long range or large area surveys.