



Sky-Futures Unmanned Aerial Vehicle (UAV) Inspection

CORAL 2.0 TRT Tech Bulletin



UAV Inspection for remote general visual inspections of hard to access items such as;

- **Live flare systems**
- **Under deck**
- **Over side structural inspections**

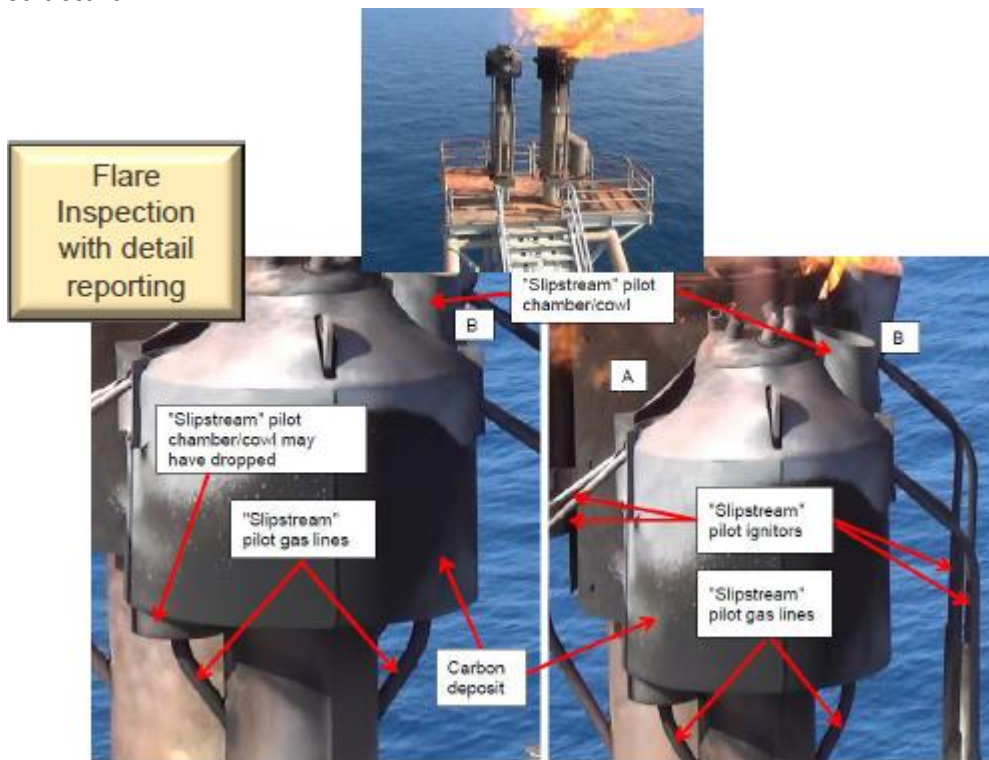


Technology Description

Sky-Future UAV deliver a safe, experienced and cost effective inspection using unmanned aerial vehicles (UAV) for oil and gas industry - onshore and offshore. The service includes HD, thermal imagery inspection and technical reports written by industry experts in flare and structural engineer. It also comes with DTL-VU – remote measurement software for corrosion and defect measurement and monitoring.

Technology Usage

General visual inspection of hard to access area such as live flare, under deck and over side structural.



Functionality/ Application Examples

Sky-Futures enables enterprise to perform safe and cost effective drone inspections of a variety of vertical infrastructures including but not limited to the following industries: Oil and Gas; Renewables; Utilities; Telecoms; and Bridges.



Limitations & Benefits

Limitations

Offshore inspection service is proven in winds of 21+ knots (43+ km/h).

Benefit (qualitative)

- Safe
- Cost effective
- Fast

Benefit (quantitative)

- Saving is depending on the cases, mostly from the production deferment and contractor cost.
- Case studies:
 - Flare tip inspection in Malaysia resulted saving in:
 - One week's lost production, conservatively estimated at US\$4m+
 - Flare inspection in Egypt resulted saving in:
 - Saving of US \$3.75m from decrease in the shutdown period by 5 days.
 - Offshore structural inspections for shallow water oil platform in the UK North Sea resulted saving in:
 - 700 days of rope access inspection work.
 - 40 days of support vessel hire for supporting rope access inspection work.
 - 28 days of work that would have been required during a shutdown.



Contacts

Vendor Information

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