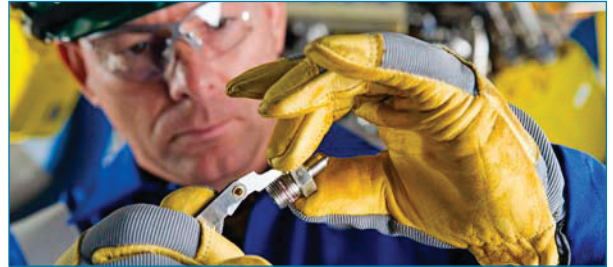


CASE STUDY

Integrity Management Services for BP UK



Background

BP is one of the world's leading oil & gas operators in the UK and has been at the forefront of UK developments offshore and onshore since the mid 1960s. It currently operates 8 fields offshore and 5 terminals onshore.

Hydrasun has had a federal supply agreement with BP since the early 1990's incorporating Hose Inspection services.

After a number of high profile industry incidents in the late 1990's, Hydrasun's proactive approach and market leading position in this area was recognised by UKOOA when we supported the development of the formal industry Guidelines for the Management of Flexible Hoses in 2003.

Whilst at this time a number of BP assets had adopted the Hydrasun Hose Management service, the publication of the Guidelines provided the key reference point for BP to adopt a standardised, consistent pan-asset regime within their UK business.

Customer Issue

With industry regulators applying increasing pressure on operators and key contractors to reduce hydrocarbon leaks, attention was focused on one of the largest contributors to unplanned releases within the industry – Flexible Hose Assemblies (FHA's).

By implementing formal processes and controls to maintain the integrity of FHA's in a standardised manner across all their equipment packages and assets, BP could demonstrate compliance with new industry guidelines (initially introduced by UKOOA then subsequently updated by the Energy Institute) whilst ensuring a strategy was in place to effectively manage the risk of unplanned loss of containment from this source as they moved forward.

Hydrasun Solution

Through their involvement in the development of the industry guidelines for the management of FHA's, Hydrasun was ideally placed to implement both a fully compliant and effective programme across all of BP's assets and sub-contractors, within the UK, both offshore and onshore.

Working closely with BP, Hydrasun also ensured compliance with BP's own internal standard Operating and General Maintenance Procedures developing and implementing maintenance strategies, covering both risk based inspection and replacement frequencies for all FHA's, as well as data management services (via Hydralink an online database tool) and the supply of replacement FHA's where appropriate. In addition Hydrasun delivered training programmes for BP personnel to increase awareness of common FHA issues that are encountered.

Delivered through a performance based management contract, with financial rewards linked to KPI's, Hydrasun has been able to deliver demonstrable evidence of improved FHA performance across BP assets in the UK and thus supporting the overall objective of a reduction in HCR releases.

More recently this service has been extended to include Small Bore Tubing systems on BP's assets another area contributing significantly to HCR leaks across the industry.

Result

Through a focus on customer needs, Hydrasun has delivered a fully compliant and effective Hose Integrity Management programme across all BP UK assets that have significantly reduced the potential for loss of containment from FHA's.

By implementing a strategy clearly focused on BP's business needs, Hydrasun was able to provide enhanced value for money delivering improvements in operational reliability and overall lifecycle maintenance costs whilst reducing BP's potential exposure in the areas of production downtime, Health, Safety and Environment and business reputation.

At a glance...

Customer

BP

Location

UKCS Offshore Assets

UK Onshore Assets

Customer Issue

- Lack of formal processes and controls to manage one of industry's biggest contributors to HCR leaks on assets.
- Compliance with Industry guidelines & BP procedures
- Inconsistent approach to Hose Integrity Management across assets

Hydrasun Solution

Standardised proactive approach to Hose Integrity management across all assets through development of risk based inspection programmes, delivered & managed by skilled personnel, as well as provision of awareness training programmes.

Benefits

- Demonstrate formal processes and controls are in place to maintain FHA integrity
- Ensure compliance with legislative requirements and industry / own in-house guidelines
- Reduce potential loss of containment and improve asset performance
- Sustainable improvement in safety and environmental performance
- Reduce overall life cycle maintenance costs

Multiple Solutions - One Company





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