

## EnerMech Hose Integrity Management

EnerMech are leaders in the provision of Hose Integrity Management. We are continually improving and developing our system in order that we deliver a genuine FHA management solution tailored to suit the client needs.

Gary McRobb and John Garven of EnerMech have been instrumental in the publication of the Energy Institute "Guidelines for the Management of Flexible Hose Assemblies" which is a revised version of the original UKOOA guidelines first published in 2003.

Recent case studies in the provision of this service include:

### **Case 1-Turbine Hose Failures**

Turbines on client assets were not included as part of the standard inspection and replace rolling programme. This was covered under a separate agreement. However due to the inspections being infrequent and inconsistent this led to a hydrocarbon release, subsequent incidents and considerable downtime. EnerMech have deployed a Hose Integrity Management team to the assets to conduct a thorough baseline inspection. All hoses will be RFID tagged and a complete set of replacements will be supplied for changeout at the earliest opportunity. The turbines will now be included as part of the asset wide programme ensuring consistency of inspection, FHA integrity and complete visibility of condition.

### **Case 2 – Incorrectly specified hoses = operational downtime!**

The client had experienced issues where incorrect FHA's had been provided by the previous contract holder resulting in considerable inconvenience and operational downtime. Following a gap analysis it was highlighted that the Master Hose Register and client Management System contained different data hence incorrect specification being procured. EnerMech IT has worked with the client to develop software where the data from each survey and all FHA movements are now uploaded into the client Management System. This provides full visibility of the asset on a 24/7 basis through the utilisation of EnerMech Live. EnerMech have had to supply Zero FHA's FOC due to the accuracy of the data. EnerMech Live also provides document retention for Certificates and Data sheets.

EnerMech Hose Integrity Management ensures:

- Understanding of client issues and providing solutions
- Client Management System aligned to Master Hose Register
- Unrivalled level of competency
- Utilisation of technology and innovative products eg RFID tagging & EnerMech Live
- Dedicated client specific Hose Integrity Management team
- Client focussed

