



## Asset Data Management for The Energy Sector

### Hose Management

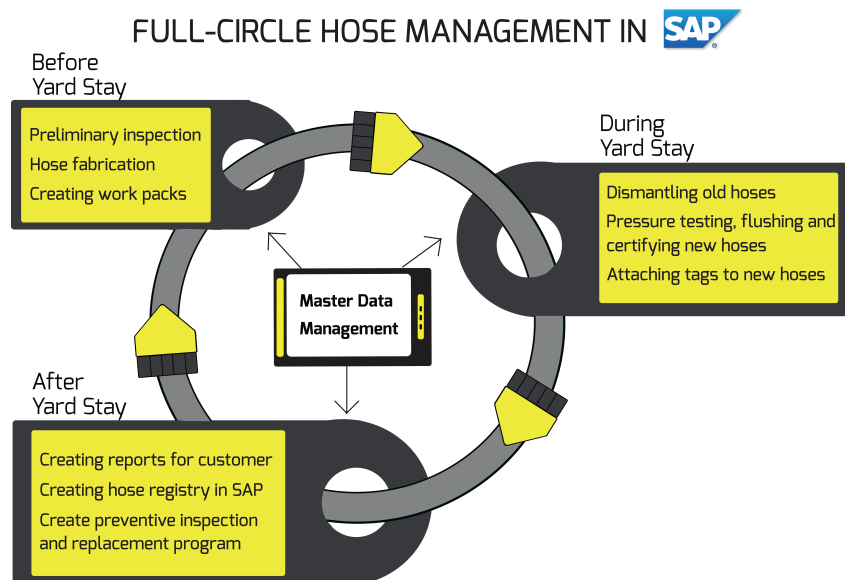
After accidents in the industry, there is focus on the management of flexible hoses on drilling rigs. This has resulted in increased regulation and requirements from authorities and oil companies.

In many potentially hazardous areas, defects and failures can compromise safety and the environment and contribute to unplanned shutdowns or human injury. Efficient Hose Management ensures safe operation, reliability and environmental integrity of equipment and assets.

Keel performs visual inspections, registration and tagging of flexible hoses according to internal customer procedures as well as international industry guidelines for the management of flexible hoses by authorities such as Oil & Gas UK and UK Energy Institute.

All available master data is collected from the technical documentation provided by the customer. This is followed by physical inspection and verification on the rigs, including tagging (applying tag plates/RFID chips), identification of defect hoses, and registration of items that are missing on technical drawings and in documentation.

Our IT tools and services are specifically developed to collect, optimize and structure asset data in companies that operate in the offshore drilling industry. The tools are used to produce advanced reports concerning specific equipment on drilling rigs. We use SMART mobile devices to perform inspections.



Keel specializes in Computerized Maintenance Management Systems (CMMS) such as SAP and IFS. We offer full-circle services from hands-on offshore inspections to asset data optimization and setting up the maintenance system for optimal maintenance procedures, documentation and compliance. This means that we cover both the offshore work and data delivery into the maintenance system ensuring a "one stop shop" experience for the customer.



Our services include performing criticality analysis of the hoses based on specifications from the customer (safety, production, environment, cost), preparing work packs, creating task lists and maintenance items etc. Our CAD Engineers can create specific hose management drawings (P&ID drawings) identifying maintainable items, thereby simplifying the maintenance planning procedure.



#### Benefits of the Keel approach:

- Optimal data quality, ensuring good traceability and documentation;
- Asset integrity, reliability and compliance;
- Keep track of certificates and manufacturer documentation;
- Reduce cost by avoiding vendor locking to hose manufacturers/suppliers;
- Strategic pre-production of hoses before yard stay (based on collected data) increase efficiency during yard stay.

Our inspectors are trained and certified according to the UK Energy Institute (2011) guidelines for the management of flexible hoses.



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**For more info about our Hose Management services, please contact:**

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