

GS-HYDRO

Hose Management Services

GS-Care & GS-Smart Care



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Hose Management Services



Customer challenge

Hose assemblies have a limited lifetime. In harsh environments such as in the construction, mining or offshore industry, hoses are constantly exposed to mechanical stress, extreme temperatures and outdoor weather conditions including UV light. Possible breakage of the hose assembly will typically cause a stoppage in the operation and therefore directly or indirectly result in revenue loss. More importantly, a breaking hose can be a serious risk for personnel and the environment.

There are two major factors to reduce the risk:

1. Technical quality of the hose material and components, and quality of hose assembly work
2. Customized maintenance program

GS-Hydro solution

GS-Hydro offers two types of service:

1. **GS-Care** includes on-site survey, inspections and report on findings
2. **GS-Smart Care** provides a database software and a high performance tool to tag and track the hoses to create a proactive hose maintenance system

GS-Hydro offers a wide range of high quality hoses and components which are approved by international classification societies. The hoses are assembled, pressure tested and flushed always by trained and qualified personnel.

GS-Smart Care Value

Maximized Safety

- Our solution supports Health, Safety and Environmental protection of your operations

Less Downtime

- Preventative maintenance planning minimizes overall downtime and costs

Globally Available

- Global availability for support with certified assemblers



Do your hoses look like this? To minimize the risk of hose breakage, systematic hose maintenance is essential.

Each hose assembly is tagged with an RFID which can then be read with a handheld unit.

GS-Care

GS-Care offers a full scope of hose related on-site services globally.

- On-site survey to identify and improve critical hose installations
- Hose and coupling identification
- Hose condition monitoring

The result and the findings of a survey are handed over in a final report. This report includes recommendations to improve the hose installations in order to **increase the safety of personnel, environment and equipment**, and the reliability of the hydraulic systems.

GS-Care operations are globally executed by qualified and trained GS-Hydro Hose Surveyors with years of practical experience in onshore and offshore industries. Replacement hoses can be delivered to the customer site prior to the next service if needed. Emergency hose replacements are available 24/7 by separate agreement.

GS-Smart Care

GS-Smart Care is an easy-to-use software including everything that is needed to reduce the risks related to flexible hose assemblies. The hoses are tagged with RFIDs and the data is accessed via computer or handheld reader at any time 24/7. GS-Smart Care can be extended to include also hard line installations such as piping, ball valves and flange connections.



GS-Smart Care advantages

- Full visibility of all hoses entered into the system including technical description, condition, critical class, hose history log etc.
- Flexible reports on hose data and future maintenance plans including list of hoses that should be replaced within the next 30 days
- Simple way to order new hoses or spare parts
- Predictable maintenance costs due to advanced maintenance plans



GS-Hydro is the original provider of non-welded piping solutions with numerous benefits for a wide variety of demanding applications. We create value together with our customers by providing innovative fluid transfer solutions which enable safe operation, reduced environmental impact and lower total cost of ownership. We deliver our piping and hose solutions globally in more than twenty-five countries through own companies and partners.



Hose Management Service Levels



Hoses, Fittings & Hose Assemblies



GS-Care

- On-site survey
- Hose and coupling identification
- Hose condition inspection
- Report on findings



GS-Smart Care

- On-site survey
- Set up
- Training
- Preventive hose maintenance both **time-based** and **condition-based** replacements
- Short-term emergency replacements



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