



Alfa Laval

Condition Assessment

For inert gas systems

Enhance system performance and maximize safety

By carrying out a Condition Assessment of your Alfa Laval inert gas system, our experts can give you insights into its current state and see that your system is working efficiently. This can be done periodically to prevent unscheduled overhauls, or as a full-system inspection prior to dry docking, to ensure that you can inert your tanks. You can request a Condition Assessment at any time, or you can have our global service network plan the service proactively with the help of our data.

Our service helps you with:

- Expert insights into your inert gas system's actual condition
- Reduced risk of unscheduled repairs and system downtime
- Savings through planned actions instead of emergency repairs
- Scheduling of service work to match your dry dock planning

How it works

Knowing the internal condition of your inert gas system is an important part of optimizing its performance and securing long-term availability. Through a Condition Assessment, we can accurately determine its current health.

During the assessment, an Alfa Laval Marine Service engineer will go on board for a thorough visual inspection of your inert gas system. Our expert will examine its maintenance status, identifying any service needed to minimize the risk of failure and prevent unplanned downtime. This will optimize system availability and provide you with peace of mind.

A Condition Assessment prior to dry docking (up to six months before) will ensure that your inert gas system is maintained for safe and efficient operations, and it will allow cost-effective logistics if parts need to be ordered. It will also identify any opportunities for upgrades or timely replacement of obsolete equipment to mitigate future risks.

After the Condition Assessment, you'll receive a comprehensive report with all our findings and recommendations. That includes advice regarding corrective actions and maintenance improvements, as well as possible upgrades or equipment replacements.

When to use the service

- Prior to dry docking
- When a vessel is added to your fleet
- Before an upgrade or a major repair
- When lifetime extension is in focus
- When improving operational performance is essential

How the service can be delivered



On site



Remotely



At service centres



On board



In dry dock



Additional service details

Depending on your inert gas system's type, an Alfa Laval Marine Service engineer will check the items below during a Condition Assessment. While on board, our engineer can also perform additional work as a separately invoiced service.

Phase	Job description	Smit Combustion	Smit LNG	
Preparation	Contact with ship agent, check-in and travel to vessel	●	●	
Execution	Briefing with chief engineer and operators	●	●	
	Hour counters and running data	●	●	
	Generator	●	●	
	Main deck line	●	●	
	Combustion air supply	●	●	
	Fuel oil supply	●	●	
	Chiller and cooler		●	
	Dryer and dew point analyser		●	
	Panels 802, 820, 810/811, 812, 807, 808		●	
	Panels 802, 820, 810/811, 812, 803, 804	●		
	Spare parts inventory	●	●	
	Alarm and safety test	●	●	
	Additional instruction of operators and staff	●	●	
	<i>Total time for onboard inspection (additional work not included)</i>		1 day	2 days
	Follow-up	Comprehensive report	●	●

Service compatibility and pricing

Our Condition Assessment service is available for all Alfa Laval inert gas systems. For pricing details, please contact your Alfa Laval sales company.



24/7 Service & Support

With service centres, field service engineers and spare parts distribution worldwide, our Alfa Laval Marine Service network is always on the job for you. When you contact our 24/7 Service & Support, our service experts coordinate everything to solve your need – across oceans, continents and time zones.

Other services for inert gas systems

- Automation upgrades
- Compressor retrofit package
- Onboard repair
- Spare parts

Contact your local Alfa Laval office

www.alfalaval.com/contact-us

