



Leemberg Piping & Machine Construction

Qualified Engineering & Installation partner for Alfa Laval's PureBallast



Installing on existing vessels

As the most experienced global supplier of ballast water treatment systems, Alfa Laval has worked with retrofit installations for a decade. Our capabilities and accumulated knowledge make us the most qualified supplier for your retrofit needs.

Our leading-edge PureBallast technology is paired with a comprehensive and flexible approach to project management. This lets us customize each project, meeting both your requirements and those of your vessel.

Application

On most vessels there is no space or consideration for ballast water treatment in the original design. A retrofit becomes more complicated than a newbuild project, because it involves the technical and practical circumstances already on board. Even among similar-looking sister vessels, there can be significant differences affecting design and installation.

Partnership for customized solutions and scope

Leemberg and Alfa Laval can tailor a PureBallast retrofit project to an individual vessel or your entire fleet. We adapt our efforts to your own needs and resources, working closely with you to meet your specifications and timeline. Likewise, we can meet your existing docking schedule or arrange for installation during your voyage.

Benefits

Alfa Laval and Leemberg deliver a complete ballast water treatment system, PureBallast, including engineering, drawings, audits and other necessary services all in one.

A worldwide service organization combined with the high quality standards of Alfa Laval's products and the experience and knowledge of Leemberg make a strong team and a perfect fit to provide excellent solutions to our customers.

Alfa Laval can offer you:

- superior performance in all waters: fresh, brackish or marine
- simple, chemical-free operation
- space-saving inline construction

Leemberg can offer you:

- excellence in engineering
- expertise from design and fabrication to installation, operation and maintenance
- a worldwide network

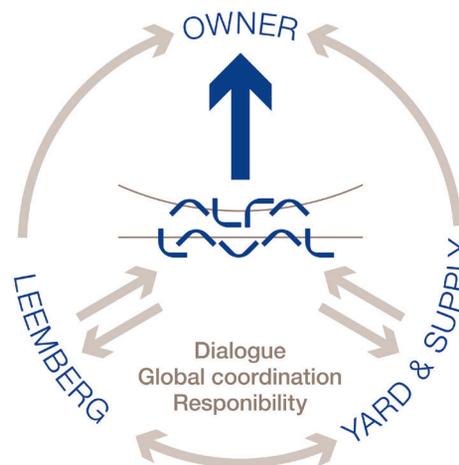
Project workflow and coordination

Every PureBallast retrofit project is unique. The following steps are generally included, but each is customized to meet vessel needs and your particular circumstances:

- Evaluation of existing ballast layout
- Preliminary onboard survey (optional)
- Onboard survey combined with 3D scanning
- Pre-engineering
- Order of system
- Detailed design
- Class approval
- Prefabrication and acquisition of materials
- Installation
- Commissioning

Global strength and flexibility

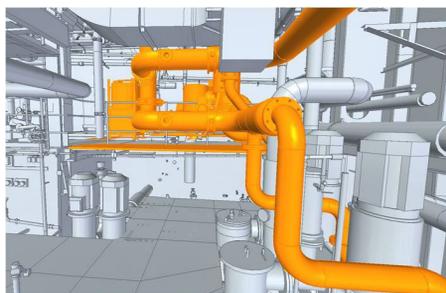
Retrofits are complex undertakings, involving multiple sites worldwide. If your trading routes change prior to your docking, you may even need to move your docking site to a different country, region or continent. This will increase the logistical demands.



As a global organization with strong logistics, we can adapt and move with your needs. Our presence and capabilities worldwide ensure a smooth and successful project, even when major changes occur.

Close cooperation and best practices

Working with Leemberg and Alfa Laval is simple, no matter how challenging your retrofit project is. Our customer-focused project management team is with you throughout the process. They ensure that our global experience and best practices are applied for maximum benefit in your own PureBallast project.



3D laser scans allowing exact positioning of PureBallast components

Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com

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Up-to-date information is always available on our website at www.leemberg.nl email: info@leemberg.nl