

Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineering solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval Contact details for all countries are continually updated on our web site. Please visit www.alfalaval.com to access the information.



Energy in reach

Fuel, steam and direct opportunities to save



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Savings in a wider perspective



Where do you put your energy?

Working with energy on board is an increasingly complex challenge. Changing needs, changing fuels and changing regulations mean you must balance a wide range of concerns – investing your time, effort and resources in the most effective way.

With so many choices to make and so much money riding on them, your choice of supplier is as important as your choice of fuels. Having a partner who can see the bigger picture is vital in sorting the possibilities from the pitfalls.

Alfa Laval is that kind of partner, with a century of marine experience and key technologies for almost every operation on board. When it comes to energy efficiency, those advantages make all the difference, as folding out these pages will show you.

In the fuel line, the steam line and elsewhere on board, your Alfa Laval investments come back to you quickly – in energy and money saved.



Complete answers are true answers

Alfa Laval works with energy efficiency on all levels, so that you can meet energy challenges in all areas.

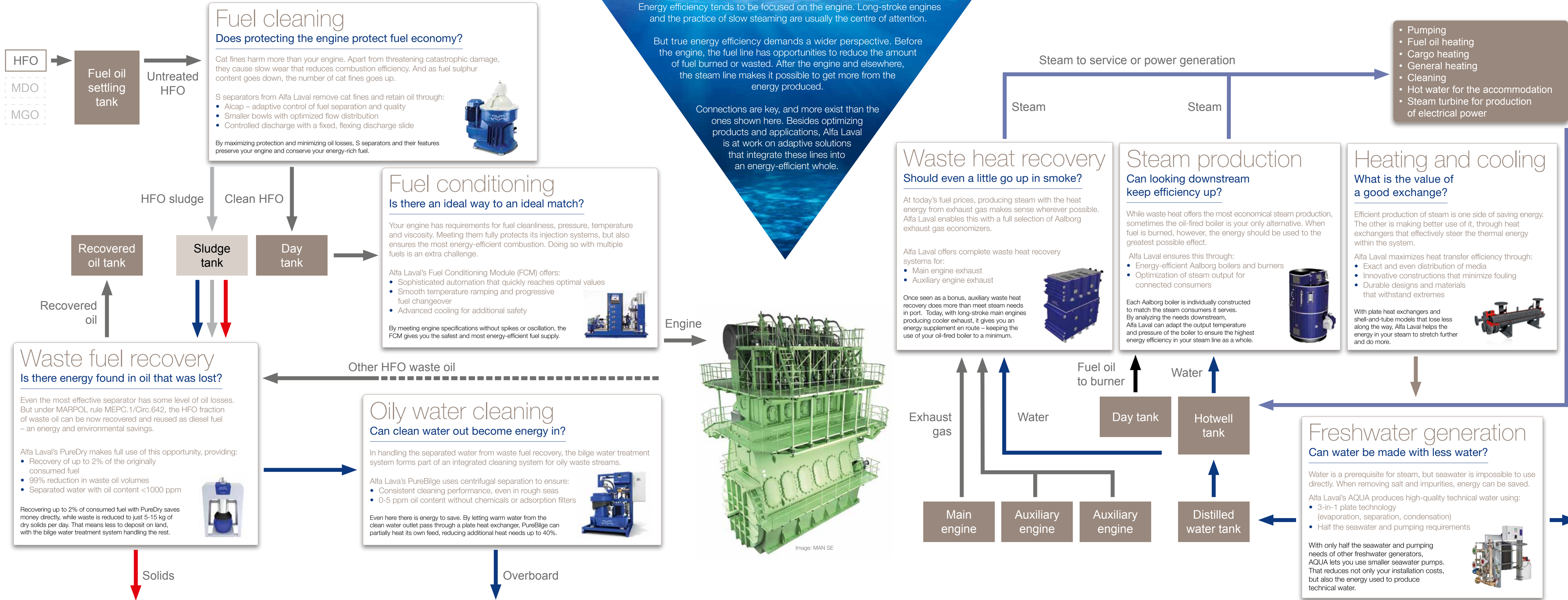
Combining the industry's widest range of equipment with its most in-depth expertise, we help you optimize your vessel to the fullest. We begin with our products, by ensuring the highest possible levels of equipment efficiency. But we go on to employ our expertise in full applications – even working across them to optimize entire lines and create more integrated solutions.

We also work with you over time, making sure the solutions you have stay optimized in day-to-day operation. And as new fuels and approaches appear, we keep you prepared for tomorrow's energy alternatives.

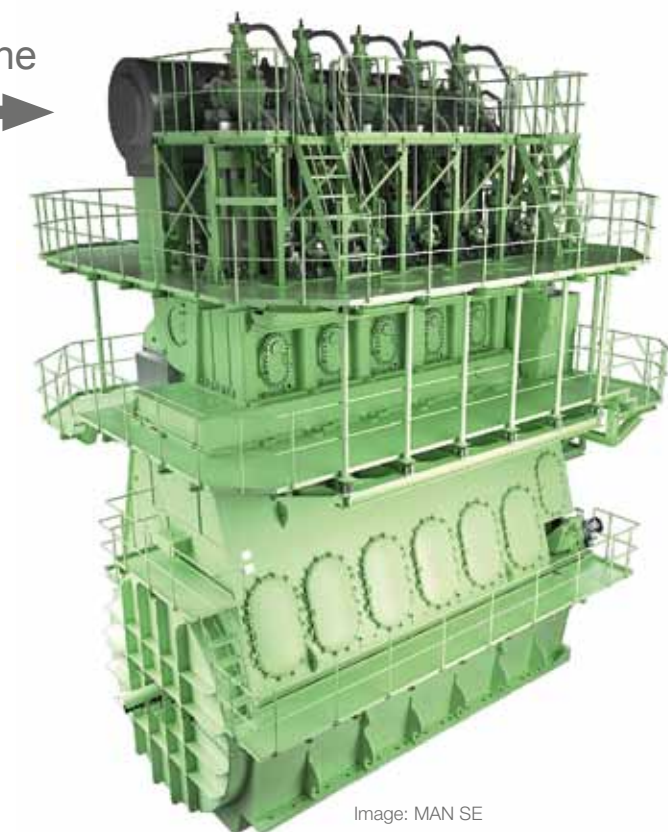
Energy efficiency tends to be focused on the engine. Long-stroke engines and the practice of slow steaming are usually the centre of attention.

But true energy efficiency demands a wider perspective. Before the engine, the fuel line has opportunities to reduce the amount of fuel burned or wasted. After the engine and elsewhere, the steam line makes it possible to get more from the energy produced.

Connections are key, and more exist than the ones shown here. Besides optimizing products and applications, Alfa Laval is at work on adaptive solutions that integrate these lines into an energy-efficient whole.



Engine



Overboard

Solids

Exhaust gas

Water

Fuel oil to burner

Water

Main engine

Auxiliary engine

Auxiliary engine

Distilled water tank

Day tank

Hotwell tank

HFO

MDO

MGO

Fuel oil settling tank

Untreated HFO

HFO sludge

Clean HFO

Recovered oil tank

Recovered oil

Sludge tank

Day tank

Other HFO waste oil

- Pumping
- Fuel oil heating
- Cargo heating
- General heating
- Cleaning
- Hot water for the accommodation
- Steam turbine for production of electrical power