



Addressing sustainability together

Protecting the environment while supporting your business.

Sustainability is an important issue for businesses, for financial, environmental and social reasons. Whichever goal drives you, with Sustainable Optimization, Alfa Laval can find ways to help you reach them.

Sustainable Optimization

Sustainable Optimization is about finding ways to make your processes more efficient and more environmentally friendly.

We do this by identifying points where resources – raw materials, energy, water – are potentially being wasted. Then it's about finding ways to improve your processes, and making suggestions to deliver benefits in three key areas:

Environmental

Reducing emissions and improving resource efficiency to meet local, national or international requirements and targets.

Regulatory

Reducing your consumption of natural resources and your emission of CO₂ to reduce your organization's impact on the planet.

Economic

Improving your process efficiency and reducing your operating costs to provide a lower total cost of ownership for your equipment.

How Alfa Laval improves sustainability

Sustainable Optimization helps our customers significantly reduce their energy and water consumption, and minimize waste. Here are some real-life examples of the improvements we've delivered.



Meeting the demands of your customers

Across industries, more and more customers are looking for brands and products that offer both value and environmental responsibility – climate change is a factor in the decision-making of 80% of end-customers¹. Sustainable Optimization helps you improve production efficiency and make your output more competitive, both environmentally and commercially.

Your sustainability partner

Ask your Alfa Laval representative about how we can improve sustainability in your organization. Depending on the nature of your company, we may be able to deploy a sustainability expert to do an equipment audit on your processes and suggest efficiency upgrades. Alfa Laval have also developed a sophisticated tool – **Alfa Laval Joules** – for analyzing and quantifying efficiency improvements in our fluid handling equipment. We also enable you to test your own formulations at our Fluid Handling Application & Innovation Centre. Contact us today to get started.

80%
energy reduction



By replacing conventional agitators with Alfa Laval ALS Agitator with specially designed impeller. Case: Large dairy in Germany

30%
energy reduction



By replacing existing pump with an Alfa Laval LKH Prime Pump. Case: Major dairy in the UK

70%
water reduction

On optimized seat-lift of Alfa Laval Unique Mixproof valve. Case: Major dairy site in UK



30%
water reduction

Using Alfa Laval TJ20G rotary jet heads for regular Cleaning-in-Place. Case: Brewery in the UK



57%
energy reduction

By replacing conventional heat exchanger with Alfa Laval Wide Gap Heat Exchanger and two small heat recovery units. Case: Fruit Juice Manufacturer in Italy.



94% of the world's biggest corporations set goals related to sustainability, and 67% stated explicit targets for reducing their carbon emissions^{2,3}.

Sources:

1. Alfa Laval internal customer survey

2. PivotGoals and Andrew Winstone. https://www.sustainablebrands.com/news_and_views/marketing_comms/andrew_winstone/rise_corporate_sustainability_goals_some_hard_data

3. KPMG SURVEY OF CORPORATE RESPONSIBILITY REPORTING 2017 https://home.kpmg.com/content/dam/kpmg/campaigns/csr/pdf/CSR_Reporting_2017.pdf



This is Alfa Laval

Alfa Laval is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress – always going the extra mile to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day. It's all about *Advancing better™*.

How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information.

