



# 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:

# Reducing emissions Reducing your consumption and improving resource of natural resources and your efficiency to meet local, emission of CO<sub>2</sub> to reduce your national or international organization's impact on the requirements and targets. planet. 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.







- Alfa Laval Joules - for analyzing and

energy reduction

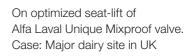


By replacing conventional agitators with Alfa Laval ALS Agitator with specially designed impeller. Case: Large dairy in Germany



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

70%





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.



Sources:

1. Alfa Laval internal customer survey

2. PivotGoals and Andrew Winstone. https://www.sustainablebrands.com/news\_and\_ views/marketing\_comms/andrew\_winston/rise\_corporate\_sustainability\_goals\_some\_

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*<sup>TM</sup>.

### 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.

