



Alfa Laval process optimization services

By involving Alfa Laval in the conceptual design of your project, our process optimization solutions will unlock opportunities.



Increase production capacity



Improve product quality and yield



Reduce CAPEX



Maximize energy efficiency and reduce emissions



Reduce water requirements



Improve reliability



Increase uptime



Increase project efficiency and success

Over 40 years ago, Alfa Laval were first to market with innovative heat exchanger solutions for the refinery industry. Since then, we have delivered more than 4,000 high-efficiency heat exchangers – for use in all types of refinery processes – to refineries around the world.

Based on this experience, we can optimize the heat and mass balance and hydraulics of your process streams, utilizing the full capacity of our unique heat exchangers. This will provide you with the best techno-commercial solution, improving plant reliability and prolonging operating cycles in-between maintenance.

We will not only provide you with interesting ideas that have successfully been implemented in other refineries with excellent results. By optimizing the process design early in your project, we also:

- Improve project economics, thereby increasing the chances of getting the project approved for implementation
- Avoid expensive and time-consuming process redesigns during the basic design phase
- Speed up implementation of your new investment
- Reduce costs in the final procurement phase

We offer different collaboration models to increase both project and process efficiency of your new investment, ranging from various types of consultancy agreements to full partnership agreements. In a partnership agreement, we do not charge for our process optimization services, and there is no cost if your project is not approved for implementation.

In addition to our process optimization services, a collaboration agreement can include services such as

- P&ID review and support in HAZOP meetings
- Start-up, shutdown, and non-transient operating procedures
- On site commissioning and start-up support
- Proactive maintenance plans and critical spare parts strategy
- Training of operators, maintenance and inspection teams
- Regular follow-up and analysis of the performance of our heat exchangers

We are flexible in adapting our collaboration agreement to meet your specific needs and interests. Contact us to learn more about how we can support you in your next refinery project.



[Learn more about Alfa Laval process solutions](#)

[Read about a successful solution for CEPSA](#)

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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