

Join Danfoss on the journey to **green, sustainable, high efficiency** energy solutions with our **customised** range of compact **heat exchangers**

**SAFE**

long-life solutions  
of the highest  
quality from a  
reliable partner

# Complete heat exchanger portfolio

for conventional and renewable power

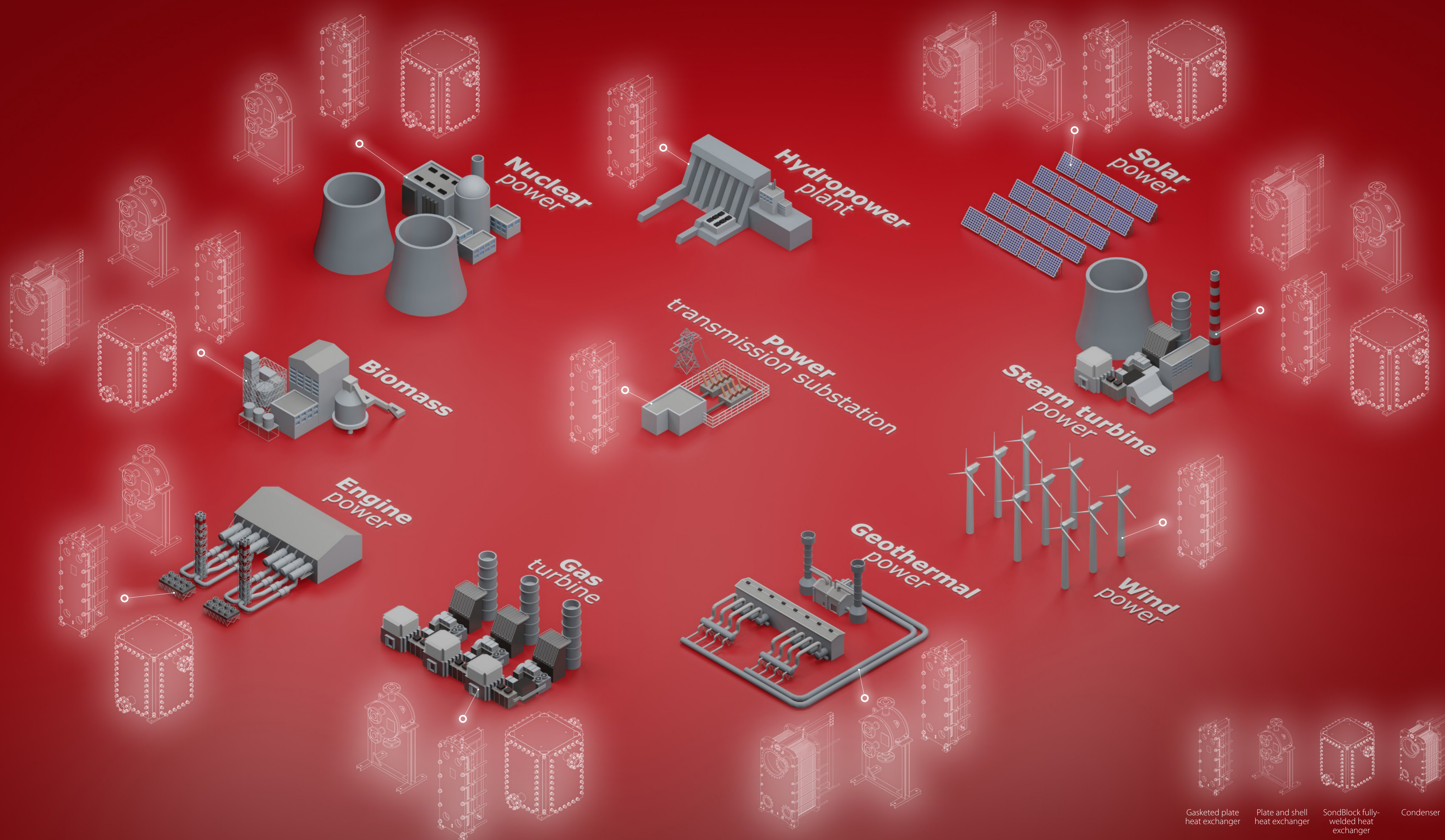
Partner with Danfoss in  
efficient energy solutions



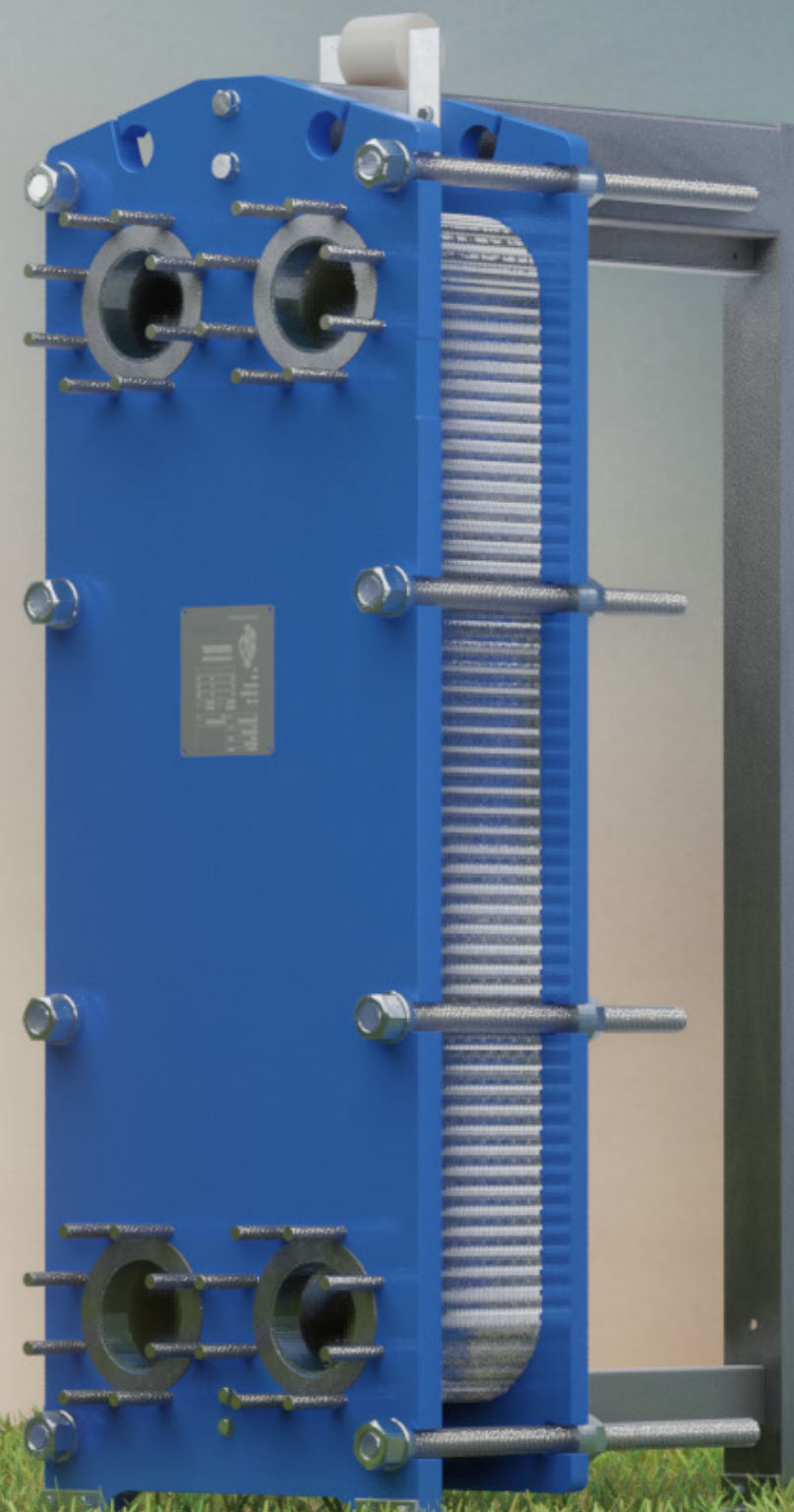
Danfoss offers a wide range of plate heat exchangers for any kind of application including cooling, heating, heat recovery and condensation:

- **Oil coolers**, used in turbine systems, generators, pumps, motors, gear box systems, and transformer systems
- **Water coolers**, used in closed loop, mechanical seal, jacket water, feedwater, make-up, condensate cleaning, and emergency systems
- **Steam heaters and steam condensers**, used in district heating, heat recovery, and turbine systems
- **Fuel heaters**, used in gas, diesel, and other hydrocarbon-based systems
- **Water heaters**, used in feedwater systems
- **Air coolers**, used in purge and sealing systems

 <b>Full value chain ownership</b>	 <b>Committed to quality</b>	 <b>One Danfoss synergies</b>	 <b>Flexible solutions</b>	 <b>Safety and quality</b>	 <b>Widest plate portfolio</b>
 <b>Laser and robot welding</b>	 <b>Compact solutions</b>	 <b>Easy service and maintenance</b>	 <b>Reliable gaskets</b>	 <b>Perfect plate alignment</b>	 <b>High efficiency</b>



Gasketed plate heat exchanger  
 Plate and shell heat exchanger  
 SoudBlock fully-welded heat exchanger  
 Condenser



- Oil coolers
- Water coolers and heaters
- Steam heaters and condensers
- Fuel heaters and air coolers

## Gasketed plate heat exchangers

Our SONDEX® gasketed plate heat exchangers are the ideal choice for a wide range of applications across numerous market segments. We have one of the largest plate portfolios in the world, and we configure each heat exchanger to meet your requirements. Innovative technologies and smart design make our standard plate heat exchangers a stellar investment.

### Features and benefits for the power industry

- Widest plate portfolio up to DN650 ensures optimal heat transfer
- Sonder Safe Leakage Protection system provides ultimate safety
- Skid oil cooler systems based on two independent heat exchangers eliminate downtime
- Wide material choice results in corrosion issue elimination and offer safe operations
- Special accessories for the power industry such as inline filters and insulation jackets protect plant personnel and systems

Click the link to learn more about our standard gasketed plate heat exchangers.

[\*\*Gasketed plate heat exchanger brochure\*\*](#)

COMMON APPLICATIONS



- Oil coolers
- Water coolers and heaters
- Steam heaters and condensers
- Fuel heaters and air coolers

## Plate and shell heat exchangers

Our SONDEX® plate and shell heat exchangers (SPS) are perfect choices for condensation and steam heating duties. A fully welded plate pack makes the heat exchangers well-suited for handling aggressive media as well as high pressure levels and temperatures. Less space demanding and much lighter in weight, they are good replacements for shell and tube heat exchangers.

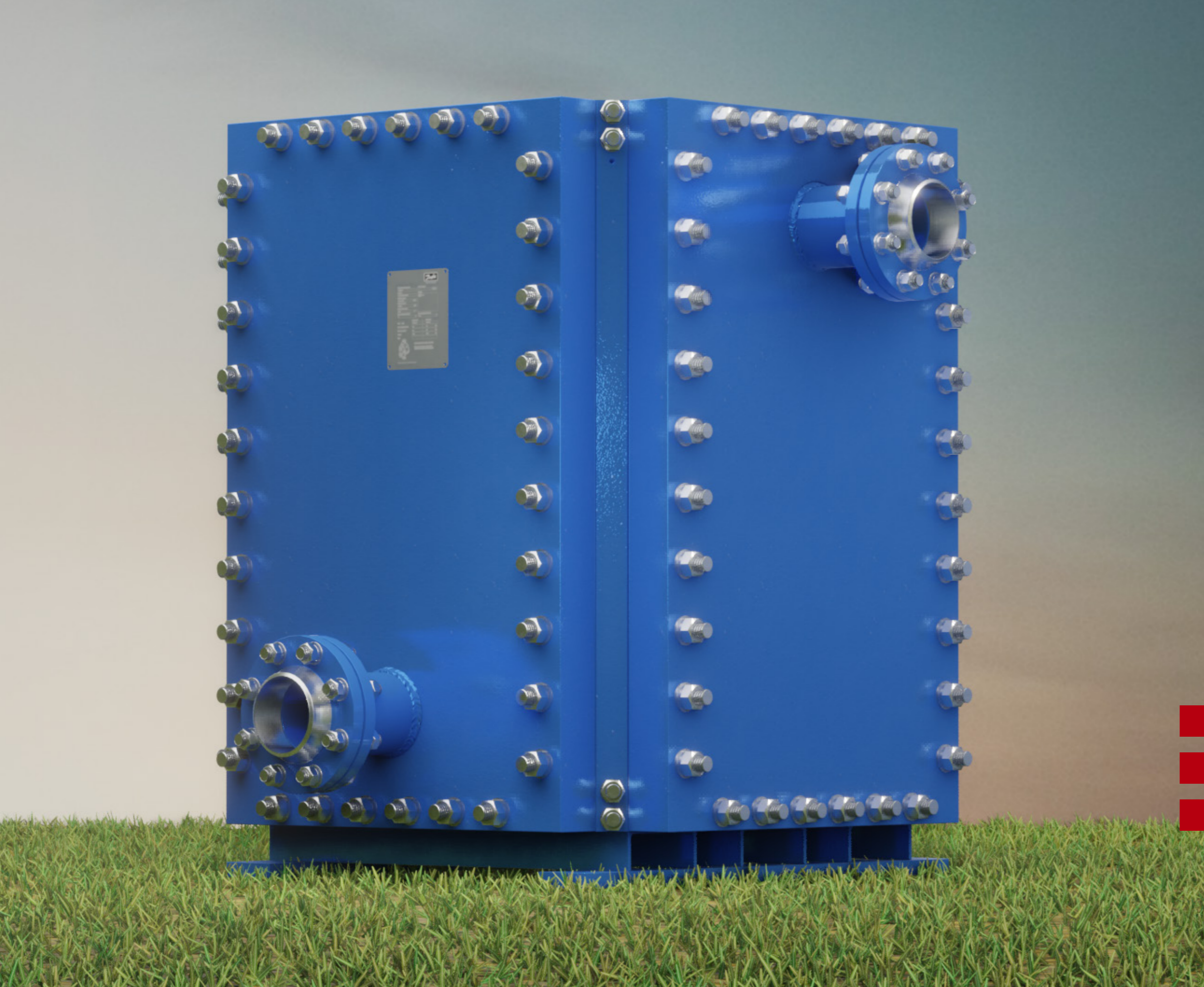
### Features and benefits for the power industry

- The gasket-less solution allows for higher working temperatures and pressures in combination with the performance of plate technology
- Dedicated steam heaters with extra large steam connection
- Also available with removable plate pack that allows for service and maintenance
- Asymmetric channels for condensation and duties with asymmetric flowrates
- Special accessories for the power industry such as insulation jackets to protect plant staff

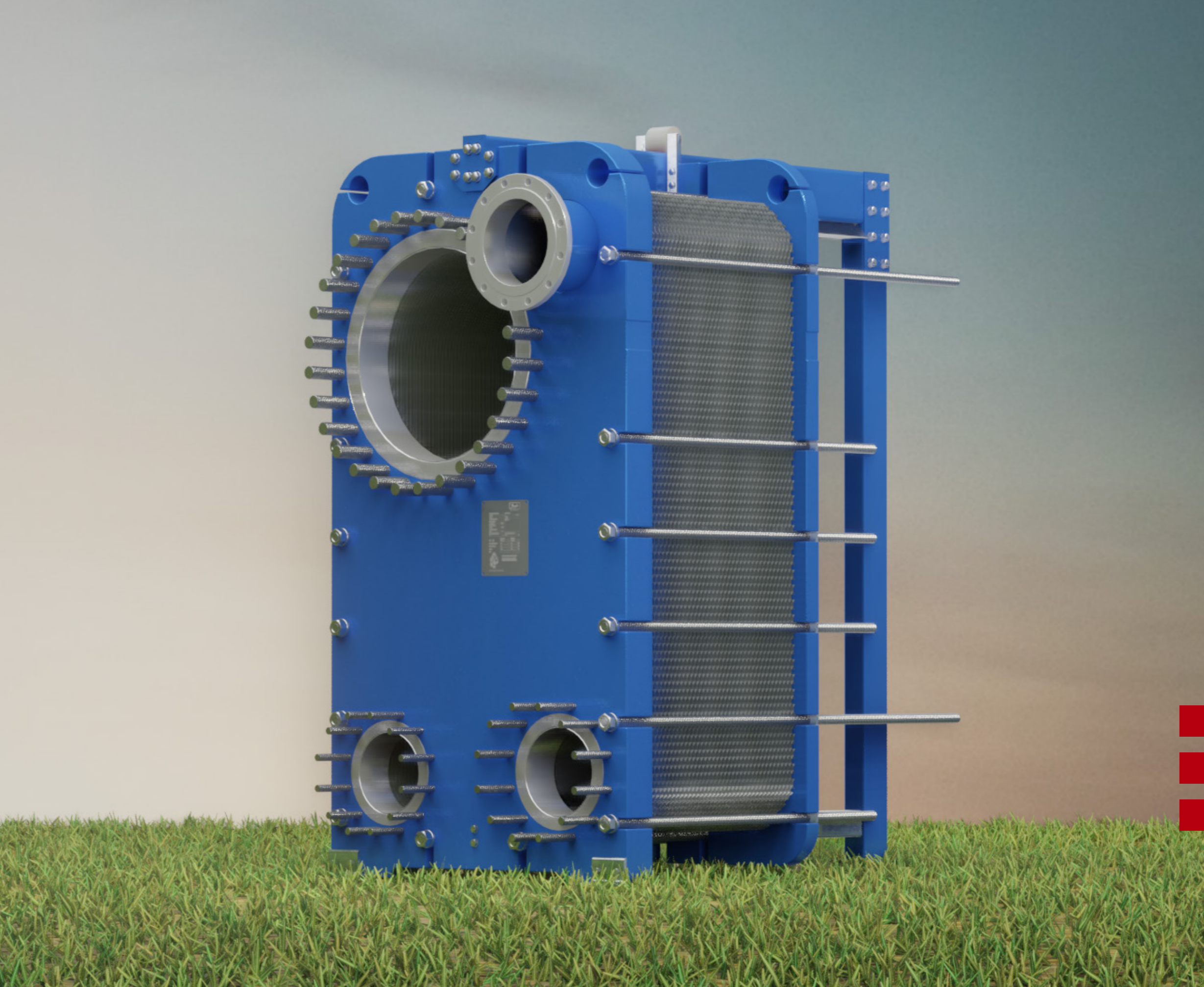
Click the link to learn more about our plate and shell heat exchangers.

[\*\*Plate and shell heat exchanger brochure\*\*](#)

COMMON APPLICATIONS



- Steam heaters and condensers
- High temperature water coolers
- Fuel heaters and air coolers



- Steam heaters and condensers
- High temperature water coolers
- Fuel heaters and air coolers

## SondBlock fully-welded heat exchangers

Our SONDEX® SondBlock heat exchangers are compact and durable solutions for challenging applications that involve aggressive media, extreme temperatures, and/or high pressure. As SondBlock heat exchangers have no exposed gaskets, they can replace shell and tube heat exchangers and cover the same duties, yet offer numerous advantages in terms of cost, size, and performance.

### Features and benefits for the power industry

- Multipass option in combination with the exact calculated number of plates provide a perfect match for your duty
- The gasket-less solution allows for higher working temperatures and pressures in combination with the performance of plate technology
- Side panels can be removed for easier maintenance
- Wide material choice to eliminate corrosion issues and provide safe operation
- Robust design using laser welding and reinforced construction

Click the link to learn more about our SondBlock heat exchangers.  
[SondBlock heat exchanger brochure](#)

## Condensers

Our SONDEX® condensers are the perfect choice for special applications that regular plate heat exchangers cannot handle. Designed to accommodate high-volume vapor flows, this product features a large inlet for the vapor stream. This, combined with a short residence time creates the optimal condensation conditions – even for low-pressure vapor duties.

### Features and benefits for the power industry

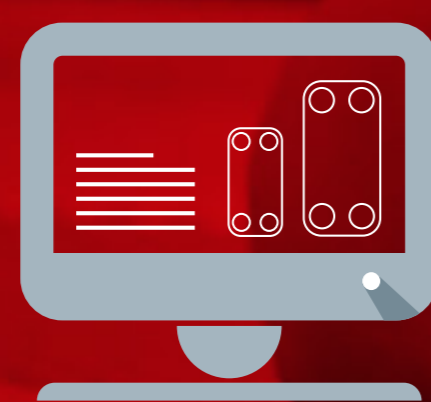
- Designed specifically for demanding condensation duties that benefit from a special asymmetric plate design that is unavailable for regular heat exchangers.
- High thermal efficiency with an ideal turbulent flow that reduces the risk of fouling.
- Special multi-gap plate design that can lower the energy consumption considerably for condensation duties that differ in flow volume.

Click the link to learn more about our plate and shell heat exchangers.  
[Condenser webpage](#)

COMMON APPLICATIONS

COMMON APPLICATIONS

ENGINEERING  
TOMORROW



**Product  
selection**



**Flexible  
solutions**



**Optimized for  
your applications**



**Product  
lifetime**



**After-sales  
service**