Energy Division
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From XXS to XXXL

- Brazed Heat Exchangers
- Gasketed Plate Heat Exchangers
- Welded Heat Exchangers
….and separation
Energy Division by numbers
- Order intake (OI) based on LTM September 30, 2017,

Order intake:
SEK Bn 11.2 ( +9%*)

Sales:
SEK Bn 10.7 (+/-0%*)

*) Compared with WY 2016, fixed rates

Increase
Decrease
Unchanged (+/- 3 %)
According to IEA Energy Efficiency report 2017, global investments in energy efficiency increased by 9% in 2016 to USD 231 billion.
New platform...
Recycling heat from the cloud

- Information is stored in data-centers by GAFA and many other operators
- Market growing at 12% y-o-y
- Huge cooling needs typically achieved with free cooling using GPHE
- Opportunities opening reuse of heat for district heating

*) European acronym for Google, Apple, Facebook and Amazon
Copper production heats up Hamburg

- Surplus heat from Aurubis copper plant supplied to district heating of a new part of Hamburg, Hafencity
- Installation of Alfa Laval Gasketed Plate Heat Exchangers to increase energy efficiency
- The surplus heat exported corresponds to 160 M kWh/year, heating up 3,400 apartments, and an annual reduction of 20 000 tons of CO₂
Oil refinery reducing CO₂ footprint

- Preem is the largest oil refinery in Sweden
- High sustainability targets
- Installation of Alfa Laval welded Compabloc heat exchangers to increase energy efficiency
- Annual savings of 2,2 MUSD and 14,600 tons reduced CO₂ footprint

Lysekil Preem site located on the west coast in Sweden
Increased energy ratings in chillers

Alfa Laval AC1000 vs Chiller with Shell & Tube Heat Exchanger

- Savings 30% less m2
- Savings 60% less refrigerant
- Savings 70% less water
- Energy rating: 1 class Energy improvement
- Improved seasonal efficiency
Recovery of process water in mining

- Rix’s Creek open cut coal mining operation
- Sustainability challenge in the management of tailings and waste rock
- Alfa Laval ALDEC G2 decanter centrifuges installed to dry coal tailings
- Result: ca 90% recovery and re-use of the process water + savings in capital expenditure
In summary...
- Energy Division

- Positive outlook in all industries
- Energy efficiency and sustainability driving market demand
- New innovative plate heat exchanger platform with unique features