Energy and the new GPHE platform
Capital Markets Day

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Energy demand is growing – putting strains on supply and the environment

- Sending a 1MB e-mail requires the same amount of energy as a light bulb being lit for one hour.
  - 10 billion e-mails are sent every hour!
- Two 3rd of the world population live in areas that need cooling. Without changes, the number of individual AC-units will rise to 5.6 billion by 2050, up from 1.6 billion today!
Meeting both new energy demand and Paris agreement targets limits the number of sustainable options. Energy efficiency is expected to be the #1 contributor. Energy efficiency investments today, of USD 250 billion, needs to:
- double by 2025
- and double again by 2040.


And we already contribute

50GW of new energy savings capacity installed by Alfa Laval every year

Energy efficiency is our business

Plate heat exchangers
- Up to five times more efficient than alternative technology.
- Versatile and a small footprint.
- Enable waste-heat recovery.

Plate heat exchanger

+25%
Stepwise release of the complete range.
Unique features increasing efficiency, reliability and serviceability.
Will benefit virtually all applications of GPHE: Heavy and light industries, HVAC, refrigeration, marine, food industries...

New GPHE product platform
− setting new standards
This 300m tall building will use the new generation GPHE, benefiting from:
- Reduced pressure drop and improved thermal efficiency.
- Improved media flow and minimized risk of fouling.
- Improved plate rigidity for longer life-time.

Developing more than a product
− win/win situation
- Patented features
- Modular design
- Scalability
- Design for service
Alfa Laval as #1 Choice

- Market and technology leader with the broadest portfolio of plate heat exchangers in the industry.
- Supported by the largest service network striving for the best online and in-real-life interaction.
- #1 partner of our customers for existing and new applications where energy efficiency matters.

Summary

- Energy efficiency is expected to be the #1 solution to meeting both increasing energy demand and climate change targets.
- Being 5 times more efficient than traditional technology, plate heat exchangers will significantly benefit from this trend.
- The new GPHE platform enables faster product releases that will benefit our customers and further enhance our leadership.