

Ringsted's New Heat Pump Plant **WEBINAR**

March 2nd 2021



About us

- 2004: first chiller with Turbocor compressors
- Wide range:



Air cooled



Water cooled



Split

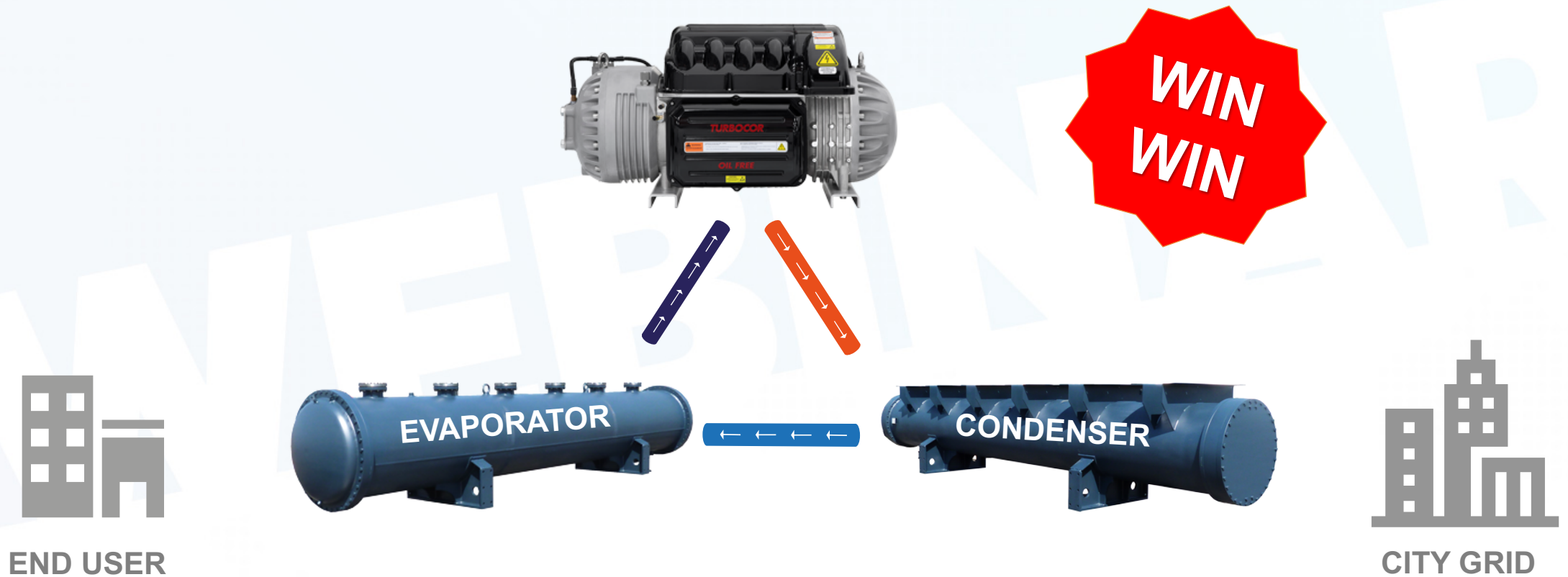


Heating

The Cooling Experience



The Heating Evolution



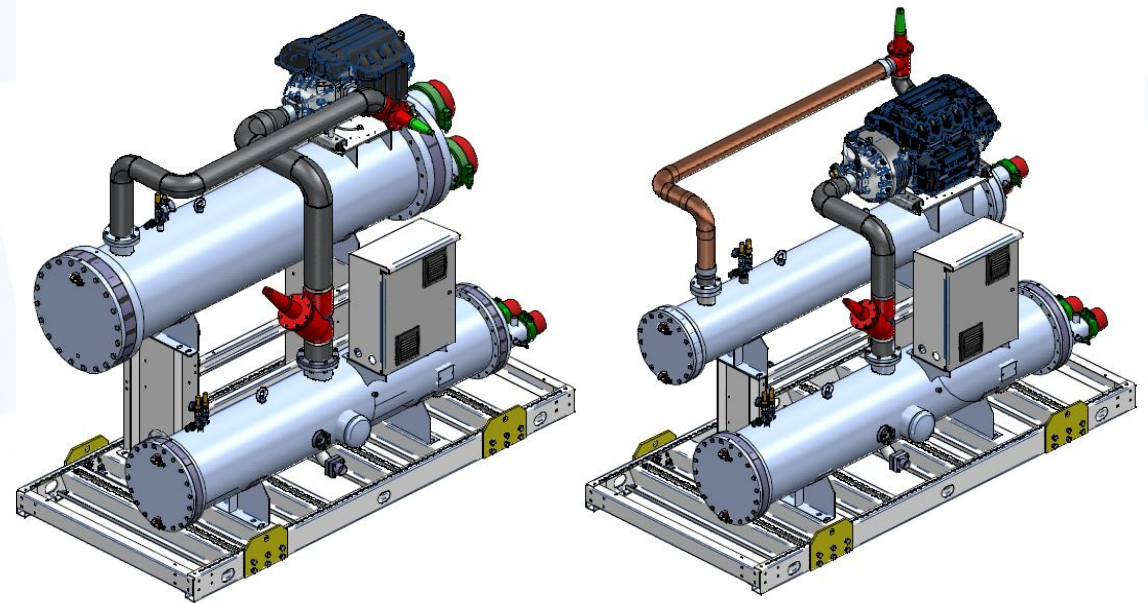
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Ringsted project Challenges

- Extremely variable temperatures
 - Condenser: 50→67 °C
 - Evaporator: 35→21 °C
- Floating water flows (100% → 10%)

Ringsted project Solutions /1

- Dedicated heat exchangers
 - Keep compressor into very safe envelope
 - Compressors run at max efficiency point
- High Lift compressors
- HFO-1234ze



Ringsted project Solutions /2

- Narrow machinery rooms (2.7x1.2 mt)
- Bespoke pipeline and layout:
 - easy installation
 - easy maintenance
 - quick part replacement
 - modular approach



Ringsted project Solutions /3

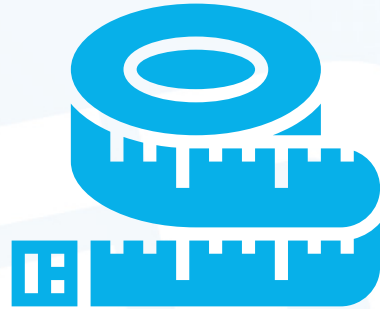
- Smart software controls
 - easy integration with the Building Management System
 - compressors react in perfect time
- Remote monitoring



Summing up



INNOVATION



CUSTOMIZATION



EFFICIENCY



RELIABILITY

Thank you.
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