

Beijer Ref

Sustainable Temperature Control for All



Christopher Norbye
CEO

MBA and Bachelor of Science degree holder. Previously served as Executive Vice President of Entrance Systems division and President of Industrial Door Solutions (Assa Abloy), Executive Vice President (Orchid Orthopedics), President (Sandvik Medical Solutions).

Who we are

SUSTAINABLE TEMPERATURE CONTROL FOR ALL.

With >150 subsidiaries spread across Europe, North America, Asia Pacific and Africa, Beijer Ref supplies customers over a large proportion of the world with products supporting the fields of commercial refrigeration, industrial refrigeration, air conditioning and heating.



Revenue SEK 30 bn



Employees 6,000+



Countries 45



Branches 500+



Customers 200,000+



Sales CAGR last 10-year – 14%



EBITA CAGR last 10-year – 23%

Beijer Ref strengthening its position globally 2018-2023

2018

Secured a leading position in Australia with the acquisition of Heatcraft Australia

2020

EQT became new principal shareholder in Beijer Ref

Entered private label with the acquisition of Sinclair

2022

Acquired Deltron, a leading HVAC distributor in Croatia

Beijer Ref strengthen its position in the HVAC segment in Australia with the acquisition of AAD

Entered the North American market with the acquisition of Heritage Distribution

2019

Expanded into HVAC in Australia with the acquisition of ACD Trade

2021

Became majority owner of Fenagy A/S – CO₂ based heat pumps

Entered the Greek market with the acquisition of the air conditioning company Inventor

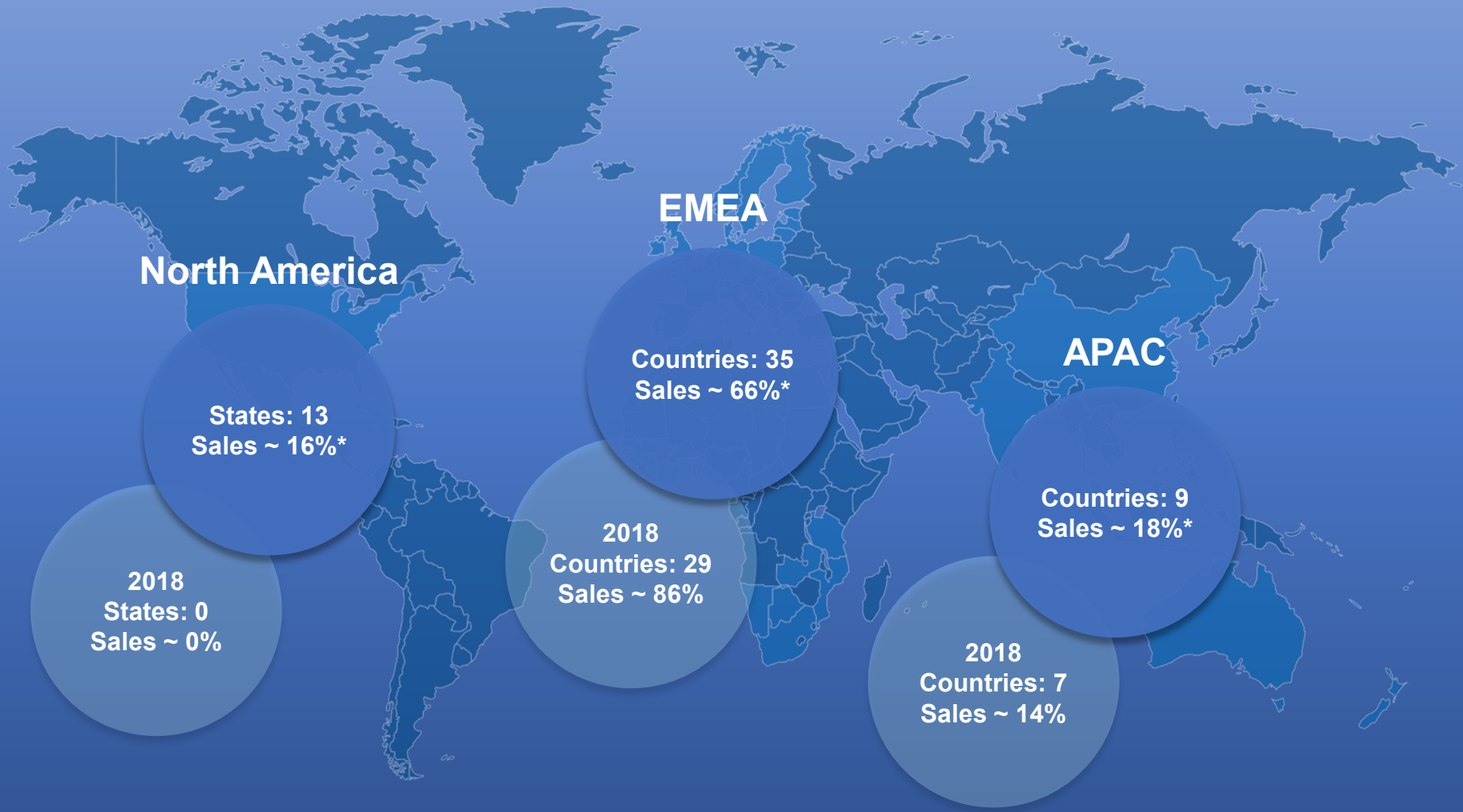
2023

Acquired leading HVAC distributor in Bulgaria - Condex

Entered the South Korean market with the acquisition of DS Maref

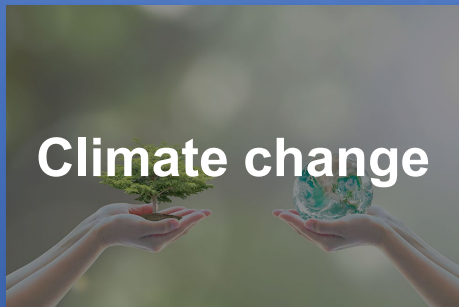
Beijer Ref completed its first complementary acquisition in North America with the acquisition of AMSCO Supply

Creating a truly global company with a strong geographical presence



*R12 September 2023

Shaping the future for sustainable climate control



F-gas regulation is driving shift towards more environmentally-friendly equipment



COMMERCIAL REF

REGULATION

AS OF OCTOBER 2023

Regulations follow the Kigali Amendment to the Montreal Protocol, an international agreement to phase down the production and consumption of HFCs by 80-85% by 2047.

NAM



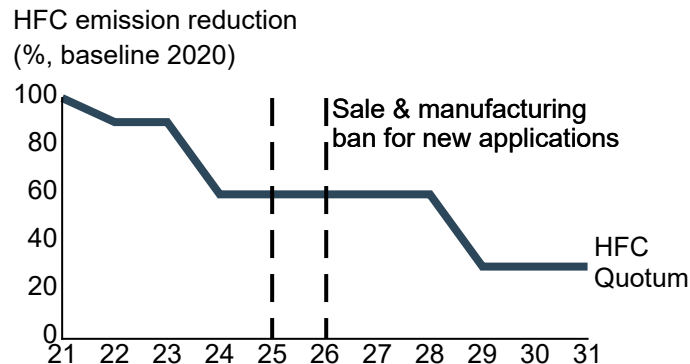
AIM act authorizes the EPA to address HFCs in 3 areas:

- Phasing down production & consumption of HFCs
- Managing HFCs (leakage, reclamation) and their substitutes
- Facilitate transition to end-state technologies

Prohibit **manufacture** and import of products containing restricted HFCs by Jan 1st 2025

Prohibit **sale, distribution and export of products** containing restricted HFCs by January 1st 2026

Common higher GWP HFC will be banned in new refrigeration applications by 2025 and 2026



Europe

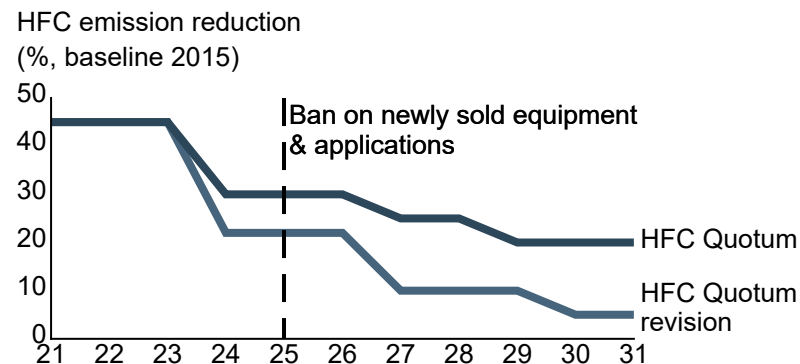


EU F-gas revision currently under negotiation at the European Parliament, including:

- Phase down acceleration of HFC from 2024 onwards (2.4% of 2015 levels by 2048)
- Improving enforcement & implementation
- More comprehensive monitoring

Under negotiation is a ban for **newly sold self-contained refrigeration equipment** above 150 GWP by Jan 1st 2025

Common higher GWP HFC will be banned in new refrigeration applications by 2025



AuNZ



HFC phase-down is a gradual reduction in the maximum amount of bulk HFCs permitted

Managed through a **quota system on imports**

Phase down schedule that limits the **import of HFCs**

Since 1989 there has been a ban on manufacturing or import of equipment with **CFC or HCFC refrigerant**

There will be a **gradual phase down of HFC emissions**

A strong business concept focused on after market and replacement

Beijer Ref's business concept is to offer its customers added value through competitive solutions in the areas of refrigeration and air conditioning focused on the after and replacement market.



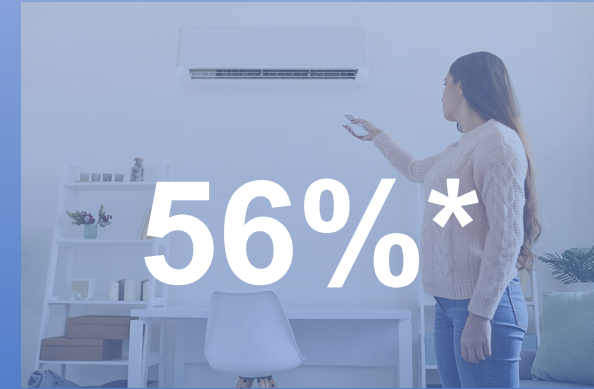
Commercial and industrial refrigeration
Refrigeration installations for, among others, grocery stores, restaurants and hotels

2018 – 57% of sales



Original Equipment Manufacturing
Own production of environmentally friendly cooling units and heat pumps

2018 – 9% of sales



HVAC
Climate control and ventilation for homes, offices and shops

2018 – 34% of sales

*Related to September R12 2023

Commercial and industrial refrigeration

Leading wholesaler focused on parts and service for the aftermarket for cooling equipment globally.



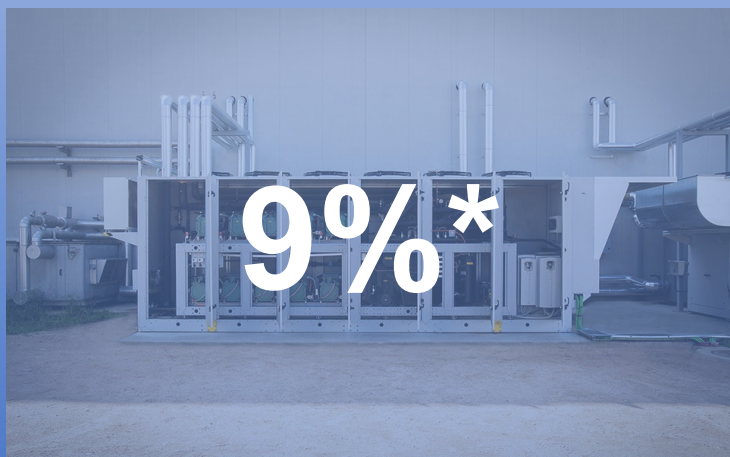
- Technical wholesaler of refrigeration parts to the commercial and industrial segments
- Global leading position with 500+ branches supporting the business
- Widest portfolio of products and brands
- Stable business focused on aftermarket, service & maintenance
- Supporting the OEM business of Beijer Ref – based on natural refrigerants

- Organic CAGR 2018 – 2022, 4%
- 2018: 57% of sales

*Related to September R12 2023

Own Manufacturing Equipment

Global leader focused on manufacturing and selling cooling and heating equipment based on natural refrigerant in the commercial and industrial segment.



- Organic CAGR 2018 – 2022, 10%
- 2018: 9% of sales

- Market leading technology and products for cooling and heating based on natural refrigerants
- Leading market position in EMEA and APAC – US to be developed
- Accelerating growth driven by regulation and the phase out of fossil and high GWP solutions
- All aftermarket supported by the strong Beijer Ref branch network and technical expertise

*Related to September R12 2023

HVAC

Leading distributor and wholesaler of HVAC equipment and parts mainly focused on the residential replacement segment globally.



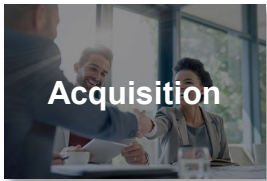
- Organic CAGR 2018 – 2022, 13%
- 2018: 34% of sales

- Global distributor and wholesaler of HVAC equipment and parts
- Strong branch network of 500+ branches to drive the business
- Widest product portfolio with strong exclusive agreements with leading OEMs
- Good growth driven by regulation and electrification of the heating and cooling segment

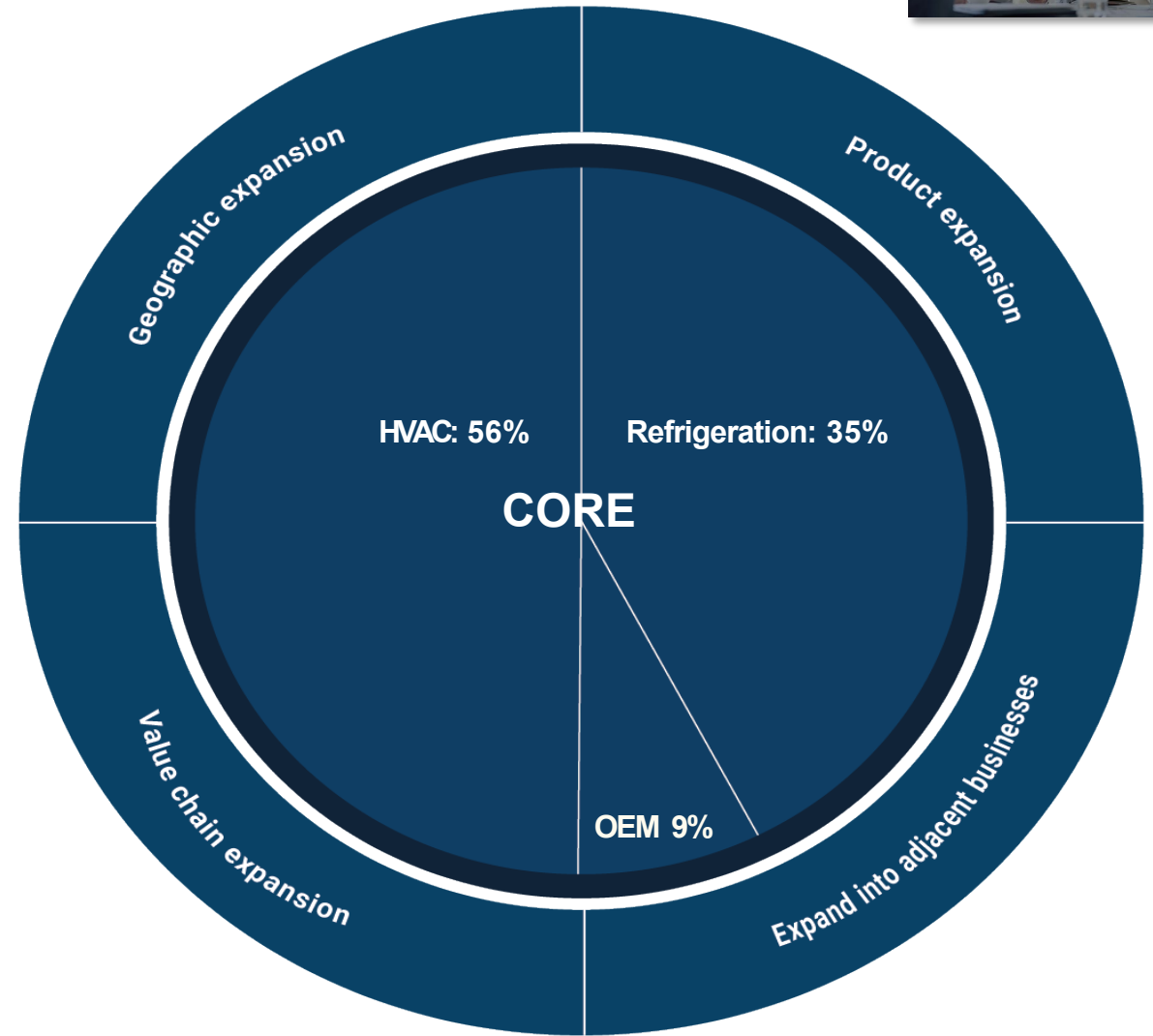
*Related to September R12 2023

Clear strategic goals





Continued focus to acquire companies within the core where we strengthen our market position and drive our largest synergies.



Strategic acquisition themes 2020 – 2023

Acquire HVAC distributors with strong market position in Europe



Consolidated the HVAC market in Oceania



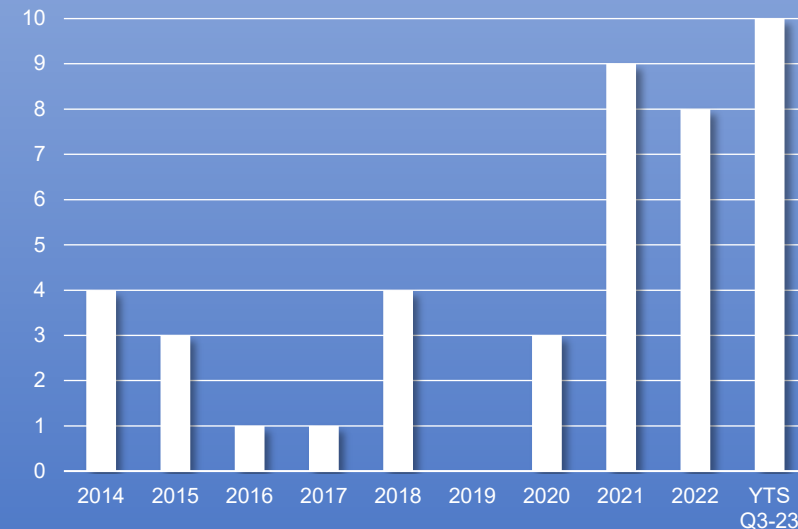
Strengthen market position in Asia with acquisitions of refrigeration businesses focused on premium segments



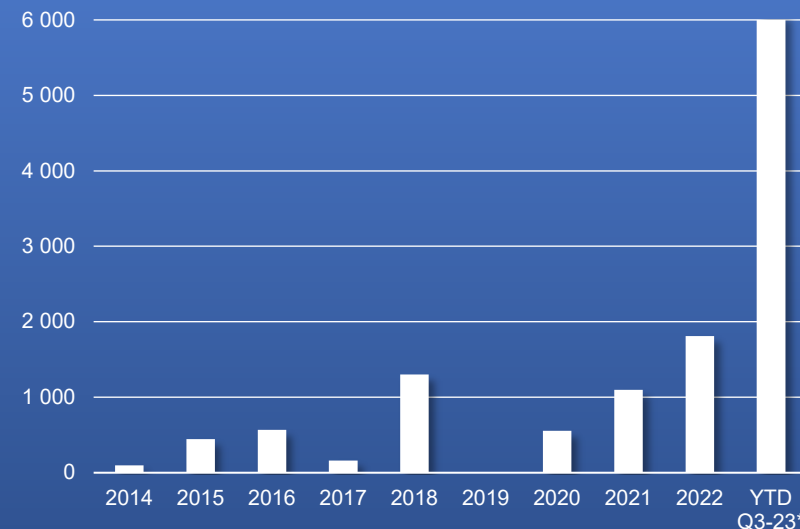
Entry into and continued expansion within HVAC-R distribution in US



No. acquisitions - 43



Reported acquired sales – 12bn SEK



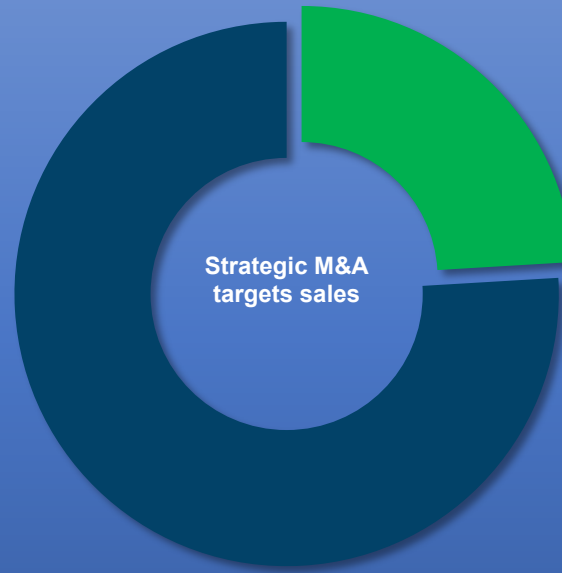
Strategic M&A pipeline



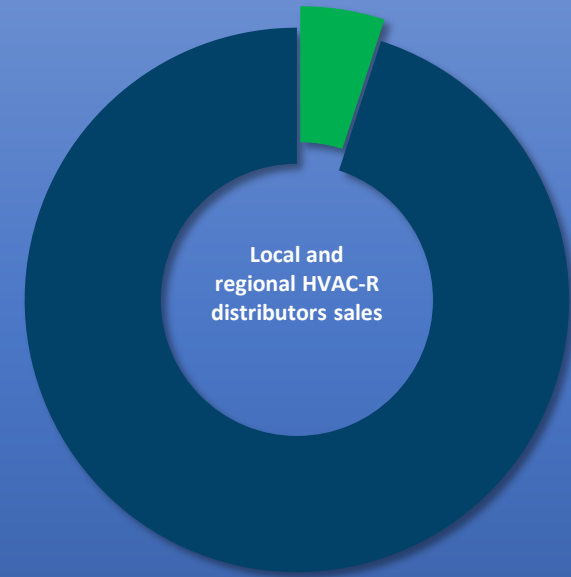
EMEA



APAC



North America



Represents acquired net sales FY20 – YTD Q3-23



Strategic pipeline in our core segments

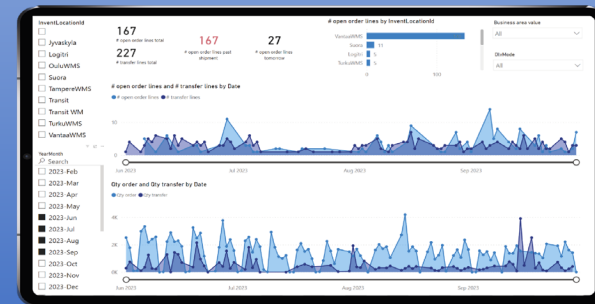
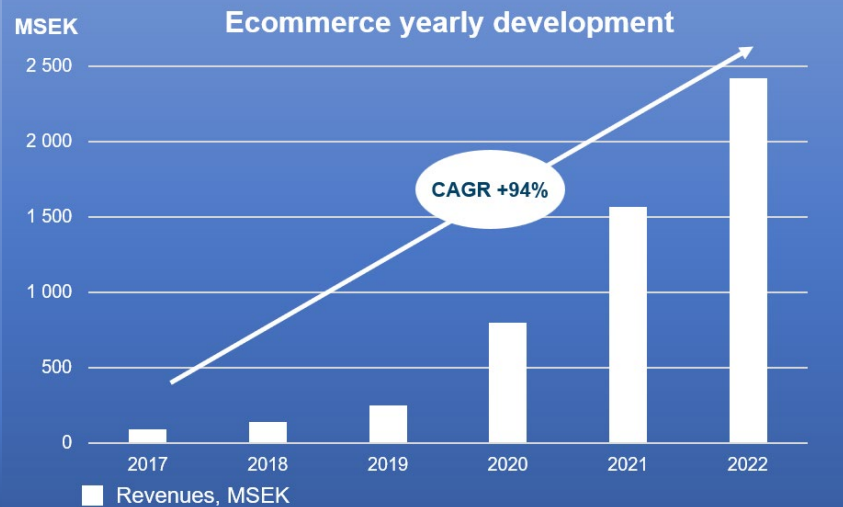
A digital journey with clear focus

1 Drive and support our customer's digital journey

- Provide e-commerce solution and digital tools to support customer needs and drive efficiency for our customers
- Building a strong digital customer relationship

2 Operational efficiency

- Improving and digitalize our business to boost efficiency with help of new technology and solutions
- Integrate systems with vendors and partners for streamlined processes
- Focus on data accessibility to become a more data-driven business



Sustainability is part of our DNA



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

✓ **APPROVED**

SCOPE 1 & 2

42% absolute reduction

Beijer Ref commits to reducing Scope 1 and 2 greenhouse gas emissions by 42% by 2030, from a base year of 2021 - in line with a 1.5-degree scenario.

SCOPE 3

25% absolute reduction

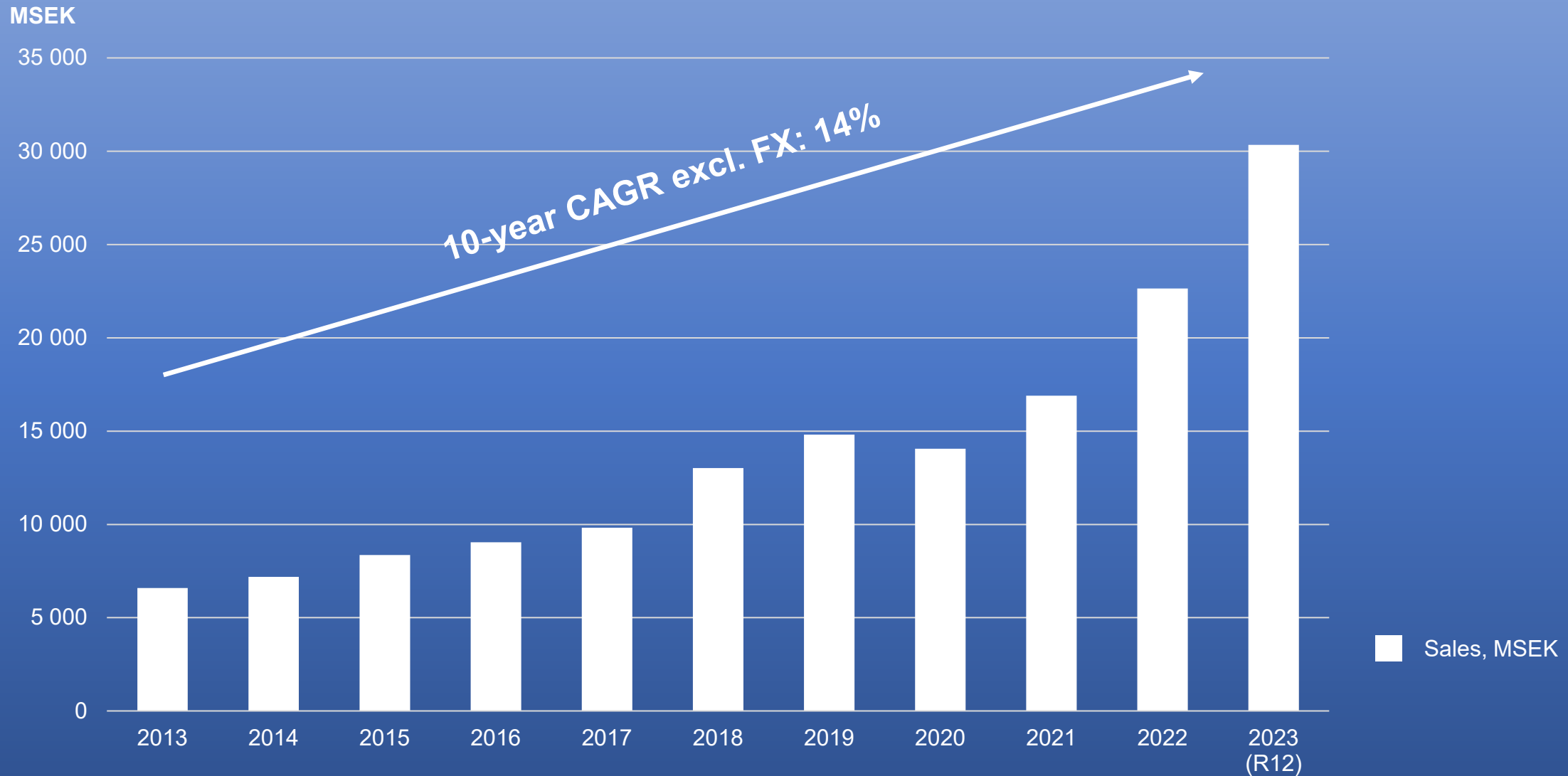
Beijer Ref commits to reducing Scope 3 greenhouse gas emissions by 25% by 2030, from a base year of 2021 – in line with a WB2D (well-below 2 degrees) scenario.

Our OEM products (based on natural refrigerants) from SCM Frigo and Fenagy have reduced future emissions by approximately 3,4 million tons of CO₂e in 2022.

Equal to approx:
750,000 cars yearly



A strong growth journey

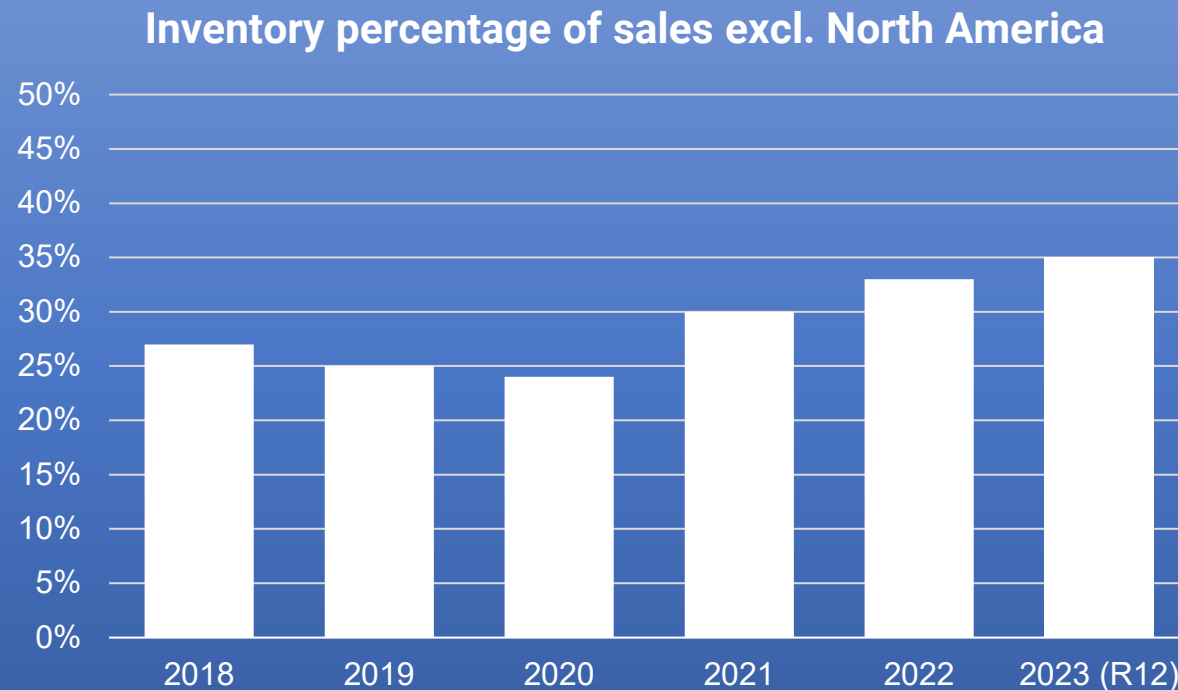
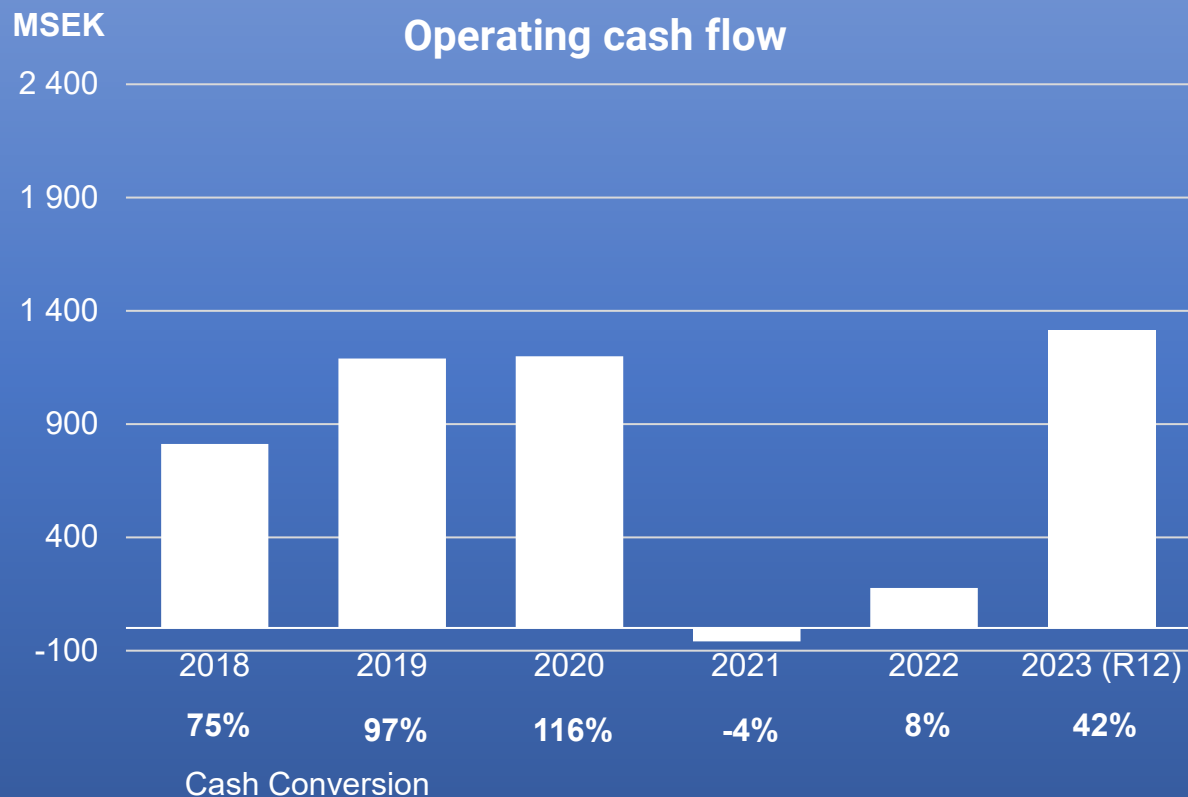


A profitable growth journey



*EBITA excluding items affecting comparability

With a balance sheet and cash flow returning to pre-pandemic levels going forward



EMEA

Where demand meets opportunity



Simon Karlin
COO EMEA

Master of Business Administration degree with over two decades of industry expertise. Demonstrated a history of diverse roles at Beijer Ref, including position within Business Development, M&A and Greenfields and Business and Finance Director.

EMEA in brief (September R12)



3,798
people



20 183 MSEK
sales

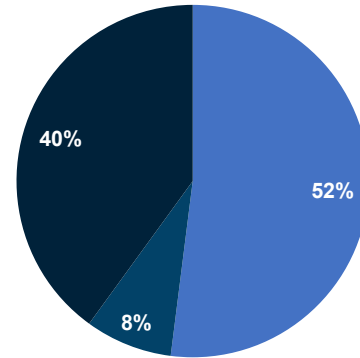


35
countries



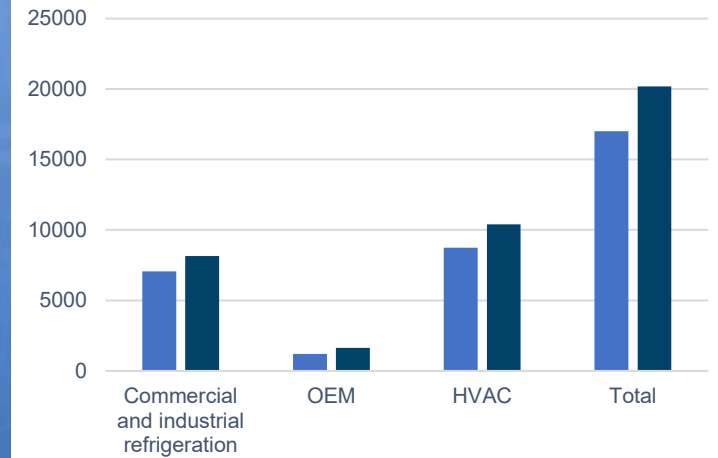
11.4%
EBITA margin

Net sales
per product group



- HVAC, 52%
- OEM, 8%
- Commercial and industrial refrigeration, 40%

Net sales
per product group



- R12 September 2022
- R12 September 2023

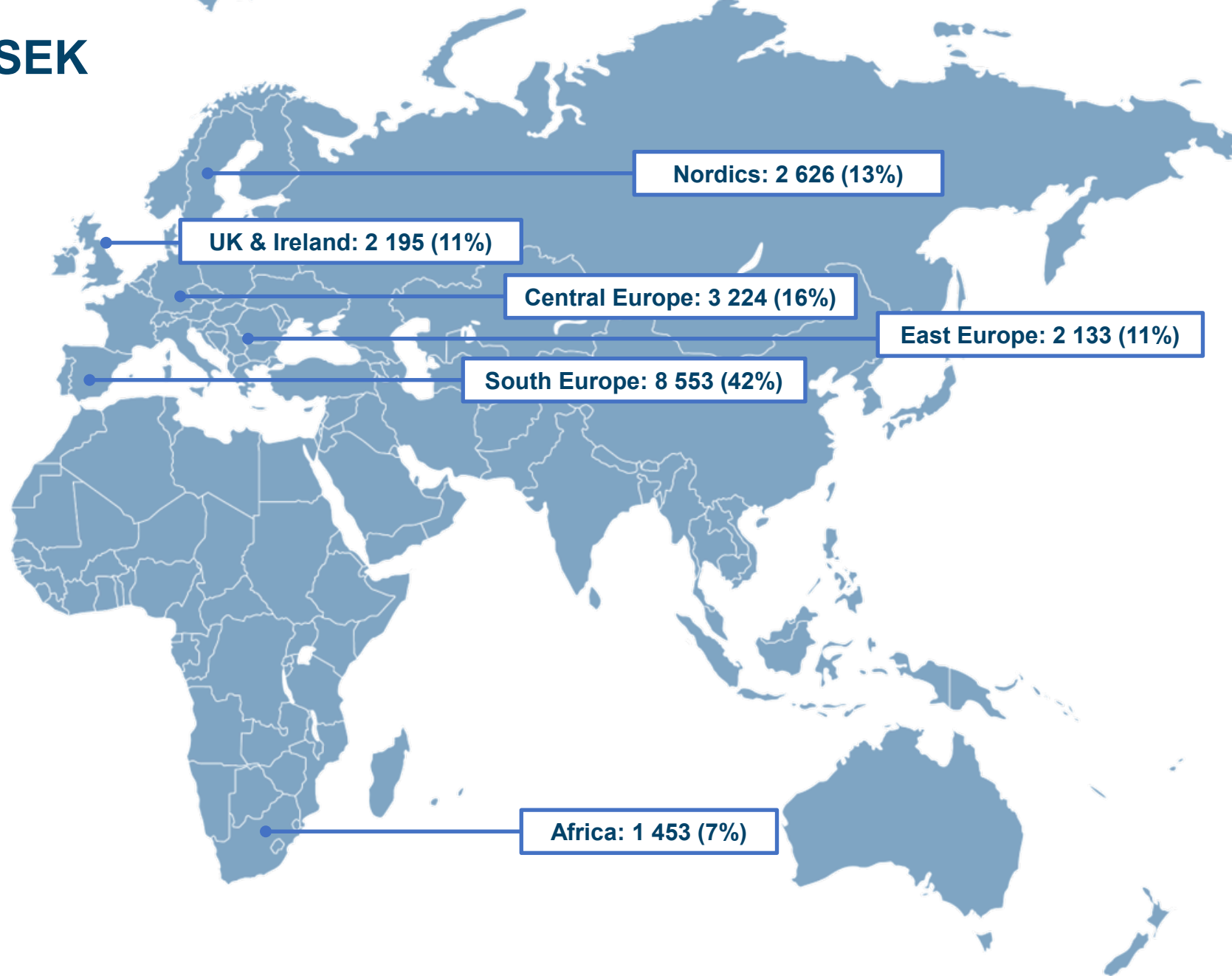
EMEA – sales per region MSEK (September R12)

Beijer Ref holds a **strong position** in the refrigeration sector across most of its market footprint.

We are experiencing **rapid growth** in our HVAC distribution segment, particularly with **Toshiba, Mitsubishi Heavy Industries (MHI), Inventor and Sinclair**.

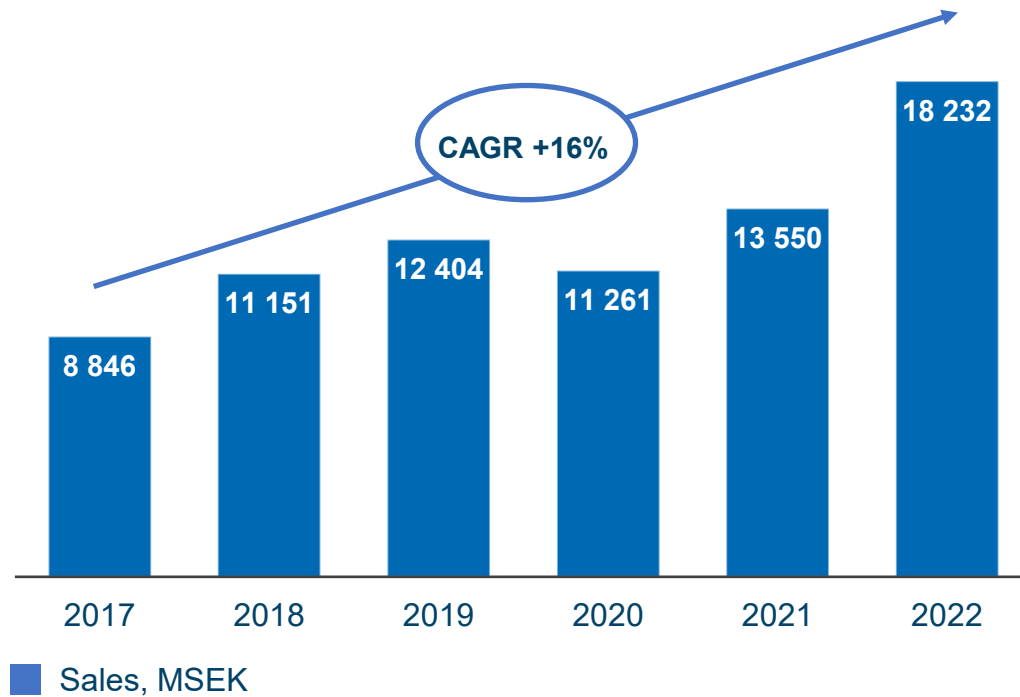
Beijer Ref is **leading the way** in the Green OEM (Original Equipment Manufacturer) industry for refrigeration compressor racks and larger heat pumps, all of which are built on **natural refrigerants**.

We have established a **robust partnership** where the combination of brands and suppliers has been meticulously curated, delivering Beijer Ref a **distinct and comprehensive product range**.

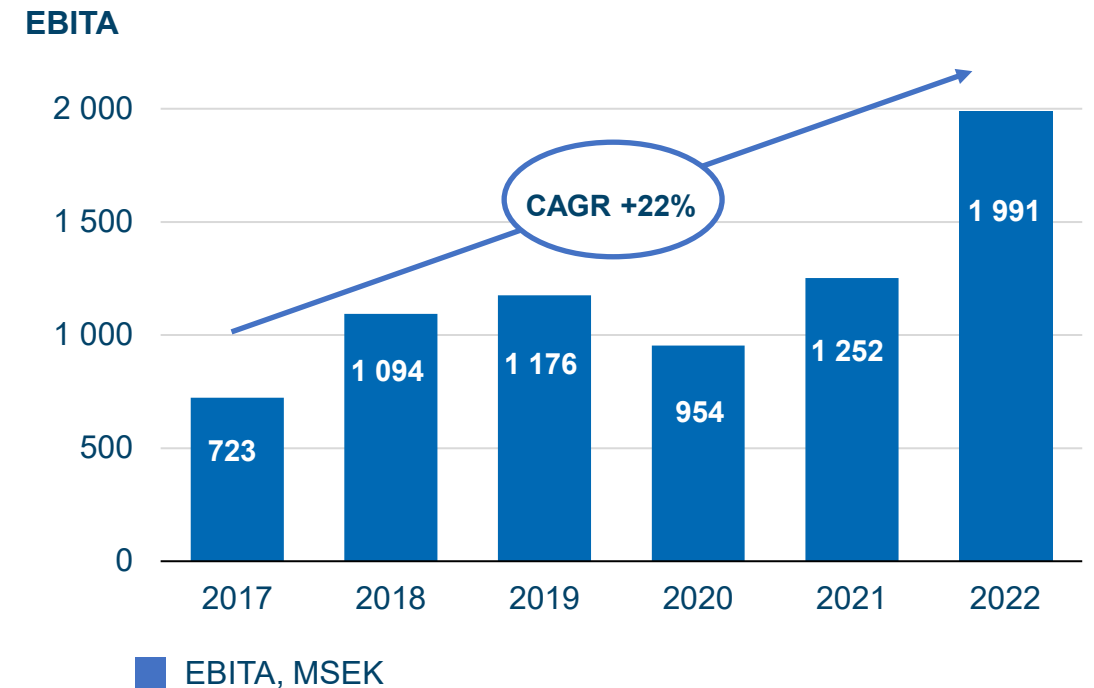


Historic performance EMEA: 2017 - 2022

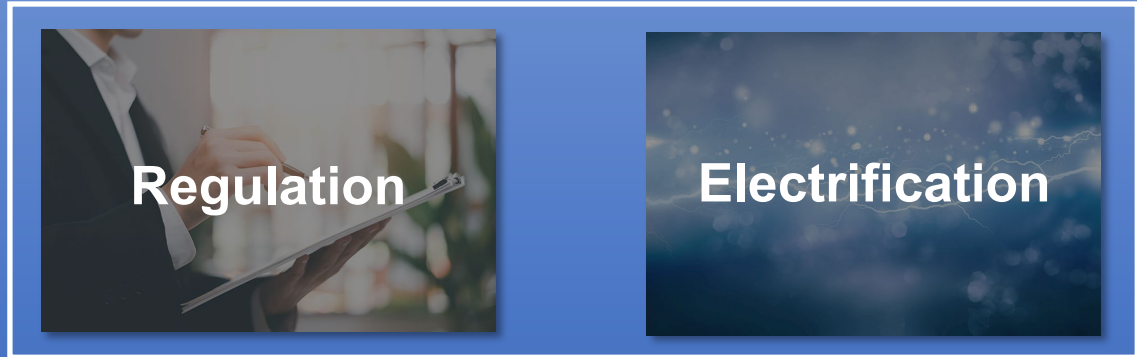
Sales (MSEK) X2 in 5 years



EBITA (MSEK) X3 in 5 years



Navigating trends for continued business growth



EMEA trends: Shaping tomorrow's HVAC-R solutions today.

Navigating trends for continued business growth



F-gas regulations are creating sustainable HVAC-R innovations.

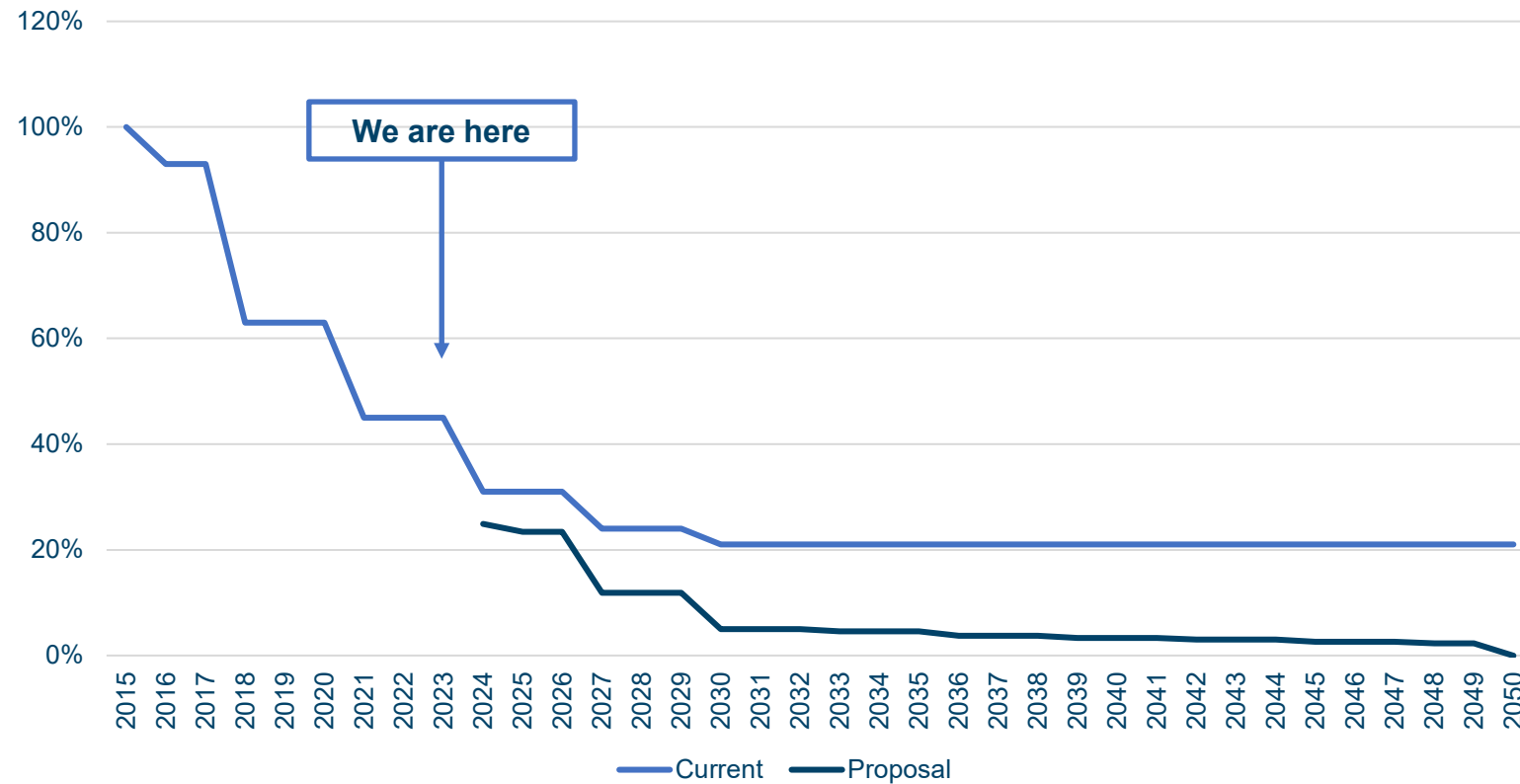


Electrification is accelerating the implementation of HVAC solutions globally, replacing old non-sustainable technologies.

F-gas regulation



EU F-gas phase-down



2015 – Regulation on F-gases within EU

2016 – Kigali deal on HFCs is a big step in fighting climate change. Rephrased in Poland 2018.

2017 – HFC phase down in Australia

2024 – Update EU F-gas regulation

2030 - <2500 in GWP on reclaimed in EU

CO₂ installations by December 2022 – a market in development

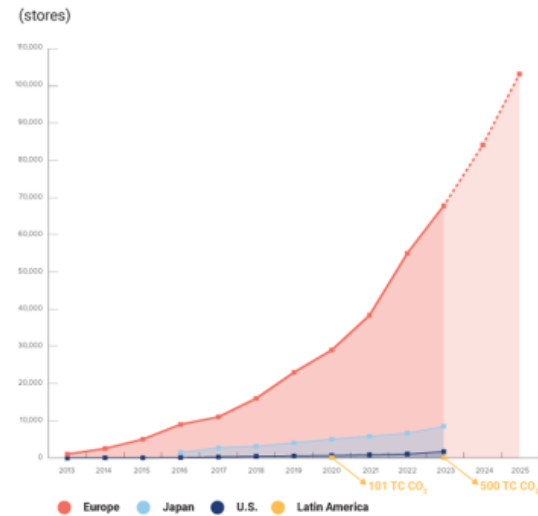


CO₂ installations – forecast Europe



The number of stores that transitioned to CO₂ transcritical technology by December 2022. The potential addressable market across Europe is estimated to encompass >300,000 stores.

CO₂ installations – forecast Europe



The best set up to support the CO₂ transformation



World-class products

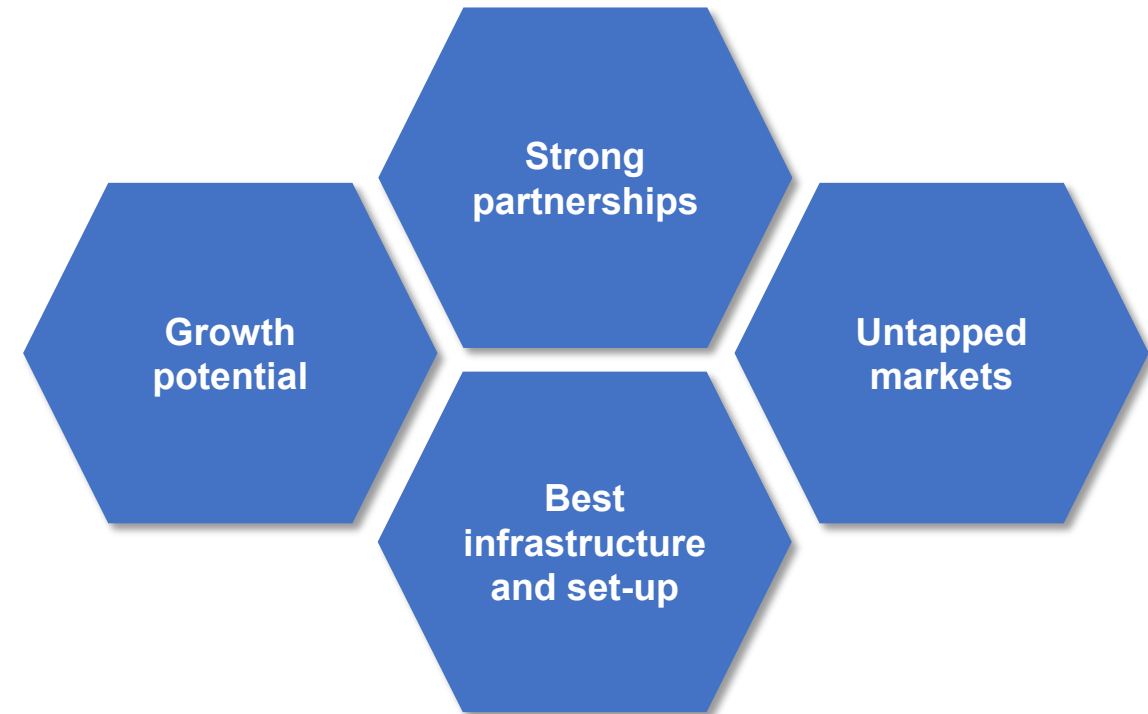
Extensive branch network

A well known educational academy

Adeptness in technical know-how

Outstanding post-sale customer service

Residential heat pumps – market penetration Europe



Focus on value creation



M&A



Private label



Digitalisation



Strong partnerships



Beijer Ref Academy



Green OEM
refrigeration and
HVAC

Continuing the legacy of valuable acquisitions

Good growth opportunity

Key criteria: sales growth, a strong track record and accelerated growth combined with Beijer Ref.

Supplier relationships

Key criteria: pricing synergies, strengthening supplier relationships and integrating Beijer Ref's private label into the product portfolio.

Dedicated management

Key criteria: local expertise, a decentralized structure and a long-term commitment to align with our strategic goals.

Strong corporate culture

Key criteria: established culture, ethical workplace, and brand ambassadors to ensure alignment with our values and reputation.



Strategic acquisitions build a firm foundation



Significant acquisitions 2018 – 2023

Inventor

LUMELCO

 **SINCLAIR**



FENAGY
FUTURE ENERGY SOLUTIONS

Innovative technology, private label development, synergies with existing partners and scaling up sales in current markets. These strategic moves enhance competitiveness, diversify product offerings, improve efficiency and expand market presence.

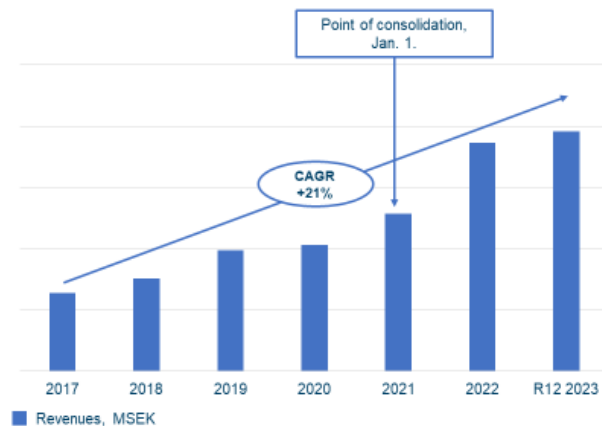
Strategic activities to continue to drive profitable growth



Establishment and expansion of Private Label HVAC



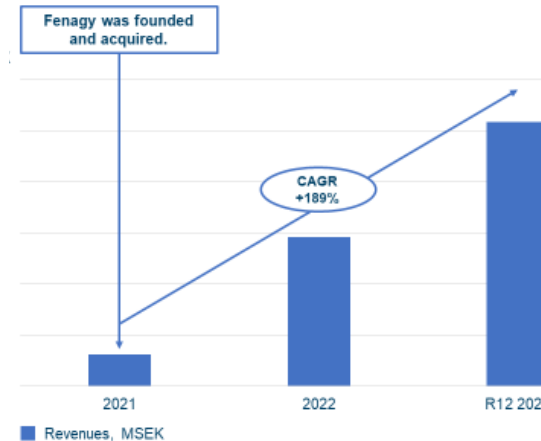
- Acquired 2021
- A well-established HVAC company headquartered in Brno, Czech Republic, with a strong presence in Eastern Europe.
- Leveraging their strong brand and extensive expertise, the acquisition has afforded us the chance to broaden their private label presence across our extensive network.



FENAGY – innovator at the forefront



- Acquired 2021
- The company specializes in the production of highly efficient and competitive heat pumps and refrigeration systems that utilize CO2 as a refrigerant, catering to district heating and industrial applications.
- Fenagy's product range seamlessly complements our OEM portfolio in green refrigeration technology. Furthermore, Fenagy's status as a market leader in their specific segment underscores their position at the forefront of the industry.



Private label – products that adds value to existing portfolio



Inventor A.G. S.A.

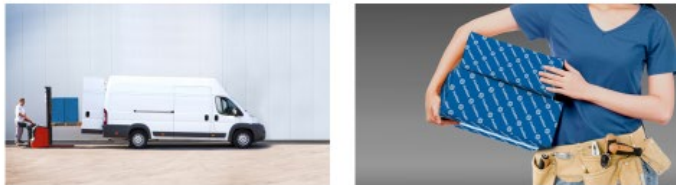
 **SINCLAIR**

 **freddox**

Private label – signature climate solutions



Private label – Freddox



Made for you.
Made by us.



Private label – Sinclair



We create long
term, mutually
beneficial business
cooperation.





1

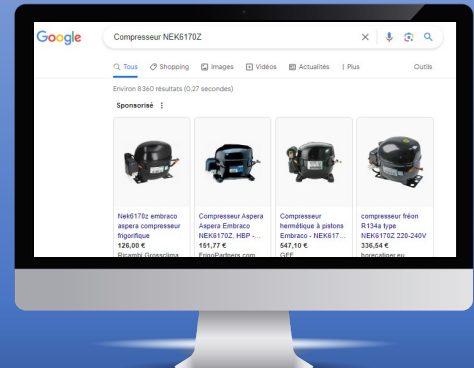
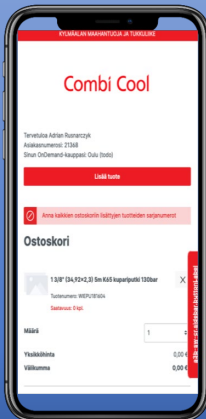
Digital tools to support customer digital journey

- Development of digital tools to support online business and service
- Configurators and selector tools to find right products and parts
- Digital sales portfolio management ensuring all relevant products are available
- Automated integration to product vendors to provide high quality product data
- Working on AI pricing and other projects

2

Online adoption and traffic

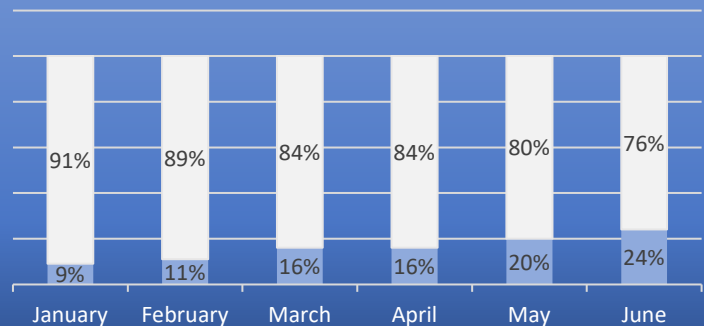
- Continuous increase of online customers and online sales
- Building a strong digital customer relationship
- Increased digital brand and product presence on Google
- Boosting sales with increased number of orders being placed after branch business hours



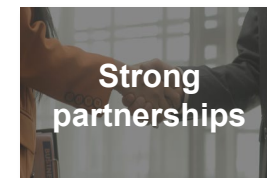
E-com sales Q3 vs Q3 py
+21%

Online Customers Q3 vs Q3 py
+27%

Online sales - Ordering trends



Building resilient collaborations for future success



Refrigeration



HVAC



Mutual support

Reliability

Synergy

Communication

Problem-solving

Competitive advantage

Collaboration

Efficiency

Trust

Summary



Continuing the legacy of valuable acquisitions

Good growth opportunity	Key criteria: sales growth, a strong track record and projected growth to ensure strategic alignment and future potential.
Supplier relationships	Key criteria: pricing synergies, strengthening supplier relationships into a more efficient and profitable value chain.
Dedicated management	Key criteria: local expertise, a decentralized structure and a long-term goals.
Strong corporate culture	Key criteria: established culture, ethical workplace, and brand ambassadors to ensure alignment with our values and reputation.

Legacy of valuable acquisitions



Navigating trends for continued business growth

Regulation

F-gas regulations are creating sustainable HVAC-R innovations.

Electrification

Electrification is accelerating the implementation of HVAC solutions globally, replacing old non-sustainable technologies.

Trends that drives growth



Building resilient collaborations for future success

Refrigeration

HVAC

Mutual support

- Reliability
- Communication
- Problem solving
- Competitive Advantage
- Collaboration
- Efficiency
- Trust

Resilient collaborations for future success

APAC

Fast-paced growth since 2015



Jonas Steen
COO APAC

Master of Science in Chemical Engineering Bachelor in Business Administration VP Beijer Ref Nordic, Finance and Business Manager Beijer Ref East Europe, various roles Trelleborg.

APAC in brief (September R12)

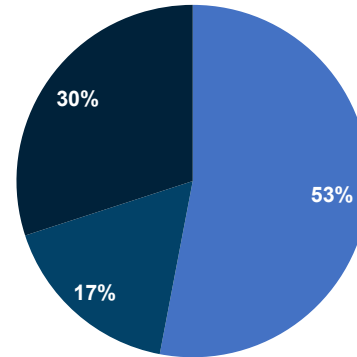


1,121
people



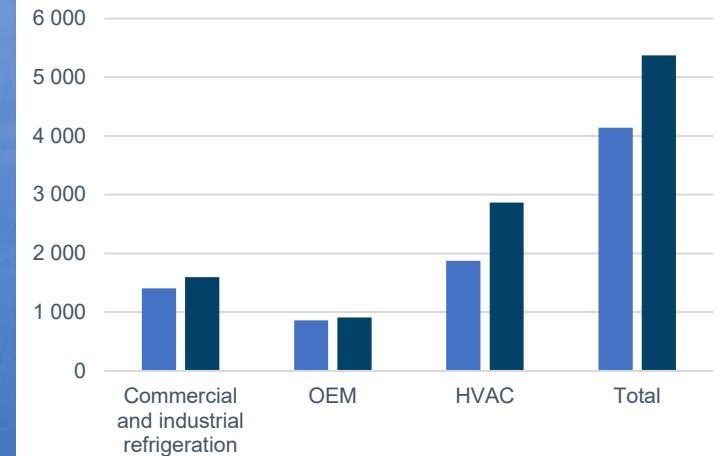
5 370 MSEK
sales

Net sales
per product group



- HVAC, 53%
- OEM, 17%
- Commercial and industrial refrigeration, 30%

Net sales
per product group



- R12 September 2022
- R12 September 2023



9
countries



8.5%
EBITA margin

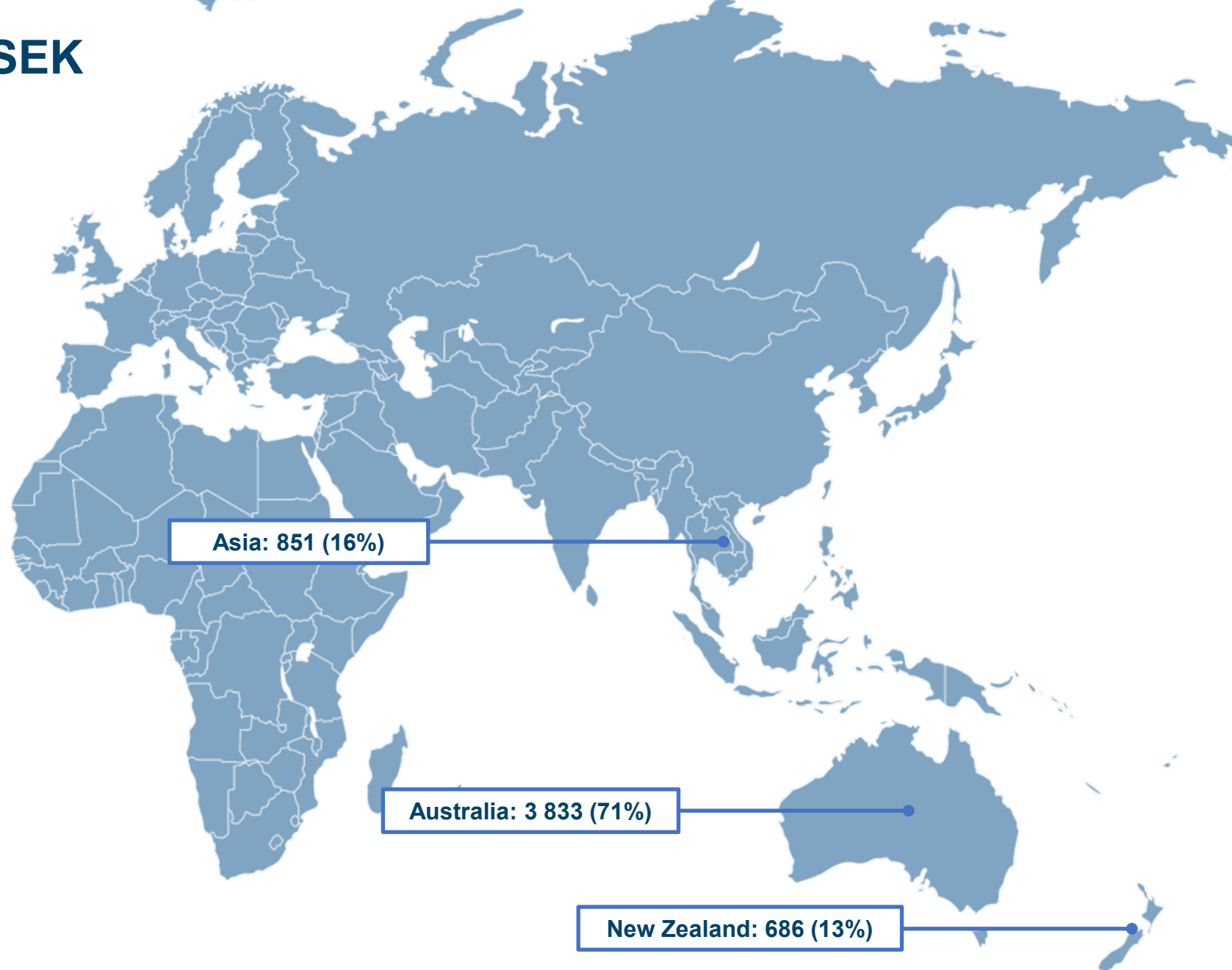
APAC – sales per region MSEK (September R12)

ASIA

- Refrigeration focus and strength across the whole region
- OEM vertical integration

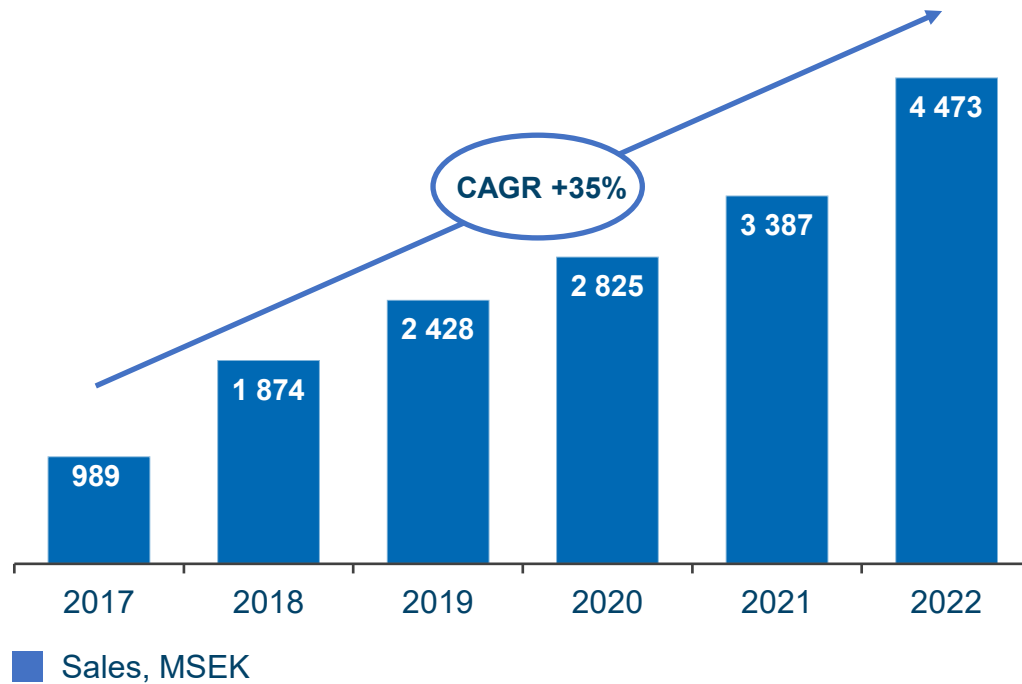
OCEANIA

- Refrigeration focus and strength across whole region
- HVAC wholesale and distribution in Australia & New Zealand
- More active in Ducted Parts and Accessories (ANZ)

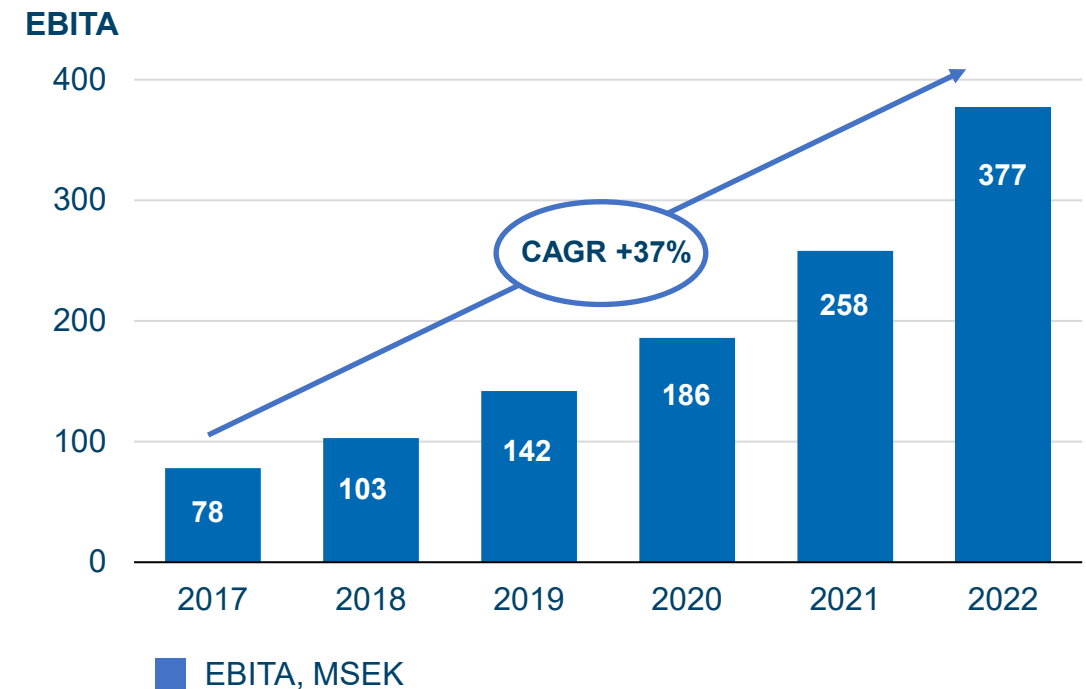


Historic performance APAC: 2017 – 2022

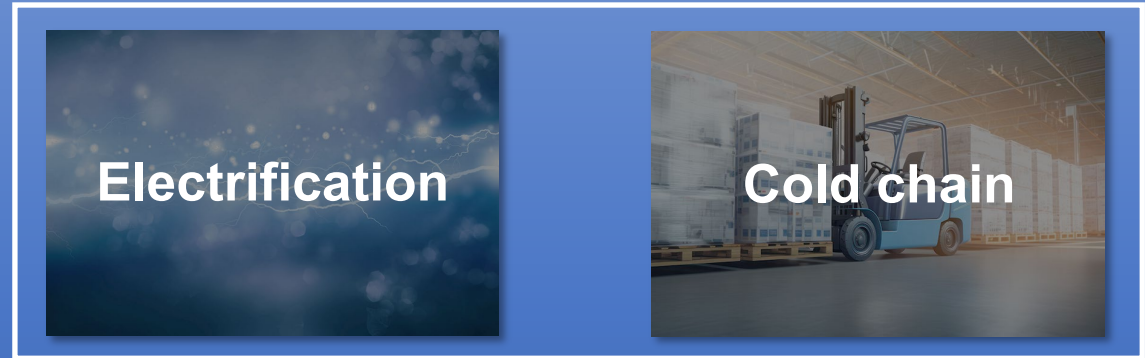
Sales (MSEK) X4.5 in 5 years



EBITA (MSEK) X5 in 5 years

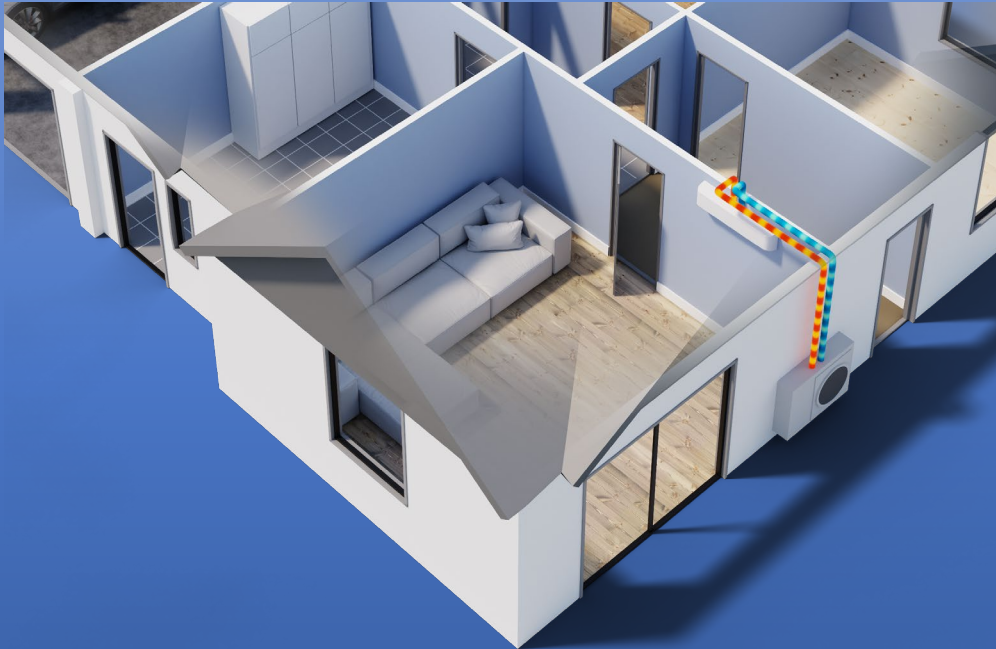


Navigating trends for continued business growth



APAC trends:

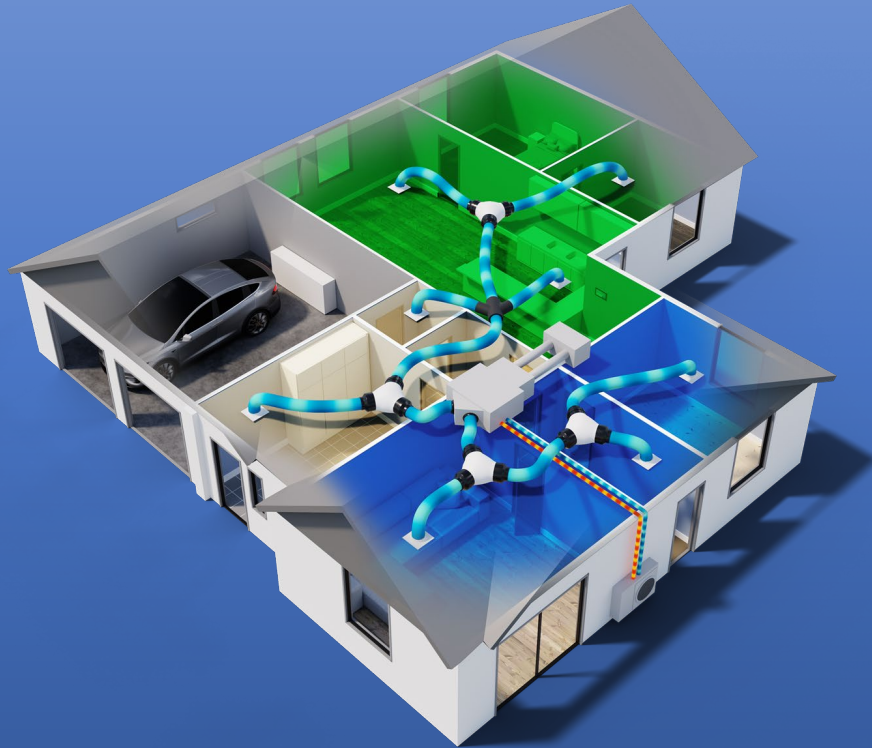
- Long runway for increased refrigeration needs - farm to fork solutions
- Ducted AC and heat pumps as preferred solution over gas appliances



- Reversible air-conditioning and heat pump
- Good penetration and also a large replacement market
- Alternative for gas appliances
- 30% decline in gas heater sales, particularly for new dwellings. *
- Victoria, AUS bans gas appliances for new dwellings as a first mover in the region

*Source: Australian Government, Department of Climate Change, Energy, the Environment and Water; Expert Group - Heat Pumps – Emerging trends in the Australian Market

HVAC - efficient ducted technology solutions for optimal performance



DUCTED SYSTEMS

- +10% growth 2022 (Australia)
- Growing technology and preferred solution not only for air-conditioning but as a heat pump to replace gas appliances
- Similar to North America legacy system
- Product Sales - > Solutions Sales 5 x \$\$
 - Flexible duct
 - Trunking/capping
 - Grills, diffusers, fittings
 - Plenums, sheet metal and plastic boards

Consolidating the HVAC segment 2020 – 2023

2020

ACD Trade
Entry pure-play HVAC wholesaler
Brisbane (QLD), Australia

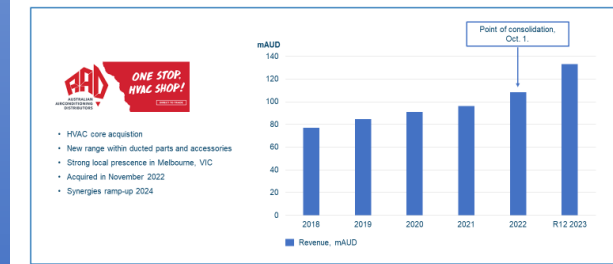


2022

AAD and HVAC Consolidated
New geography and products
Victoria (Melbourne), Australia



Strategic activities to continue to drive profitable growth



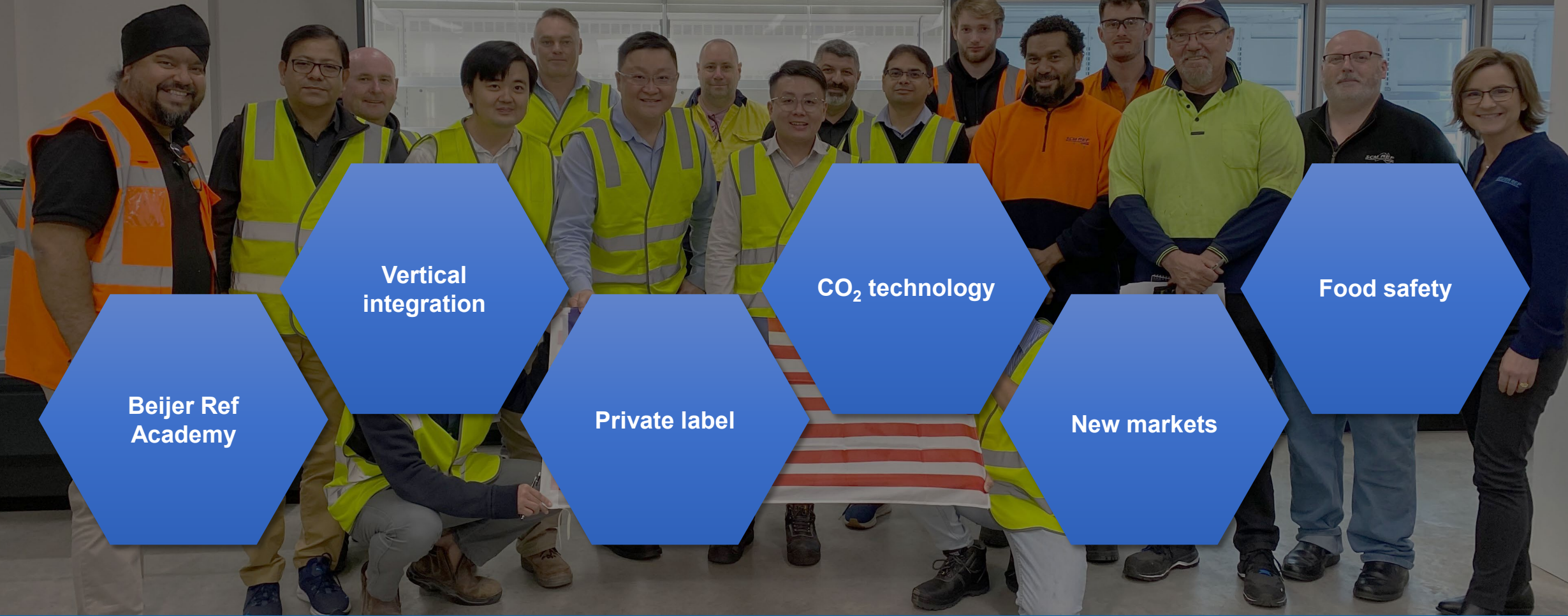
2021

Complete Air Supply and Airstream
Ducted parts and accessories
Brisbane (QLD) and Perth (WA), Australia



2023

HVAC Depot
Auckland, New Zealand
Ducted Parts and Accessories



Vertical integration

CO₂ technology

Food safety

Beijer Ref Academy

Private label

New markets

The widest variety of CO2 systems in Asia-Pacific



PattonPak 744 CONDENSING UNIT

COOLING CAPACITY 3-47 kW Refrigerant CO₂
 APPLICATIONS: **Cold Rooms for Food & Beverage**



CUBO2 PLUS CONDENSING UNIT

COOLING CAPACITY 3-47 kW Refrigerant CO₂
 APPLICATIONS: **Cold Rooms for Food & Beverage**



Super Market BOOSTER MULTI SYSTEM RETAIL

COOLING CAPACITY 35-200 kW (optional AC load of 200kW) Refrigerant CO₂
 APPLICATIONS: **Medium/Big super markets**



HD Series EVAPORATOR

COOLING CAPACITY 10-45 kW Refrigerant CO₂
 APPLICATIONS: **Logistic Centers, Food Process**



GUARDIAN EVAPORATOR

COOLING CAPACITY 3-30 kW Refrigerant CO₂
 APPLICATIONS: **Logistic Centers, Food Process**



Collaboration Europe - ANZ - Asia

- 1) Europe global technology leader
- 2) ANZ, Asia followers
- 3) Still slow regulatory movement (Asia)

The best set-up to support cold chain in APAC



Unique manufacturing set-up

Extensive reach through own network

A well known educational academy

Customer proximity

Dedicated commissioning teams

India – poised for growth



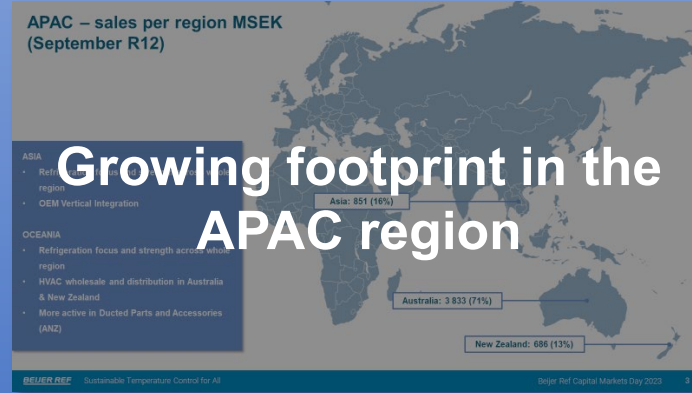
CAGR >12%

Beijer Ref sales development

20 MSEK	200 MSEK	400 MSEK
2016	2023	2025 (FC)

- Expected cold chain CAGR 12%
- Food waste spurs government focus on agri supply chain infrastructure
- Rising demand for perishable goods

Summary



Navigating trends for continued business growth

Trends that drives growth

Climate change, Energy efficiency, Electrification, Cold chain

APAC trends:

- Long runway for increased refrigeration needs - farm to fork solutions
- Ducted AC and heat pumps as preferred solution over gas appliances

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HVAC - efficient ducted technology solutions for optimal performance

Building a solution platform within HVAC

Electrification

DUCTED SYSTEMS

- +10% growth 2022 (Australia)
- Climate friendly and preferred solution not to replace gas appliances
- Similar to gas, but more efficient, less energy consumption, less noise, less maintenance, less cost
- Flexible duct
- Trunking/capping
- Grills, diffusers, fittings
- Penums, sheet metal and plastic boards

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The widest variety of CO2 systems in Asia-Pacific

CO₂ – a growth driver going forward

Cold chain

COOLING CAPACITY 2-21 kW Refrigerant CO₂ APPLICATIONS: Cold Rooms for Food & Beverage

COOLING CAPACITY 1-14.7 kW Refrigerant CO₂ APPLICATIONS: Cold Rooms for Food & Beverage

COOLING CAPACITY 10-45 kW Refrigerant CO₂ APPLICATIONS: Medium/Big SHKT

1) Europe global technology leader
2) ANZ, Asia followers
3) Still slow regulatory movement (Asia)

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India – poised for growth

Expanding in high growth areas

Cold chain

CAGR >12%

20 MSEK 200 MSEK 400 MSEK
2023 2025 (FC)

- Expected cold chain CAGR 12%
- Food waste spurs government focus on agri supply chain infrastructure
- Rising demand for perishable goods

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North America

Enabling people to live healthier and more comfortable lives



Alex Averitt
COO North America

25+ years of distribution and manufacturing management experience. Recent roles include Chief Executive Officer of Heritage Distribution Holdings, Chief Operating Officer of BlueLinx (NYSE: BXC), and Chief Executive Officer of Cedar Creek Wholesale.

North America by the numbers

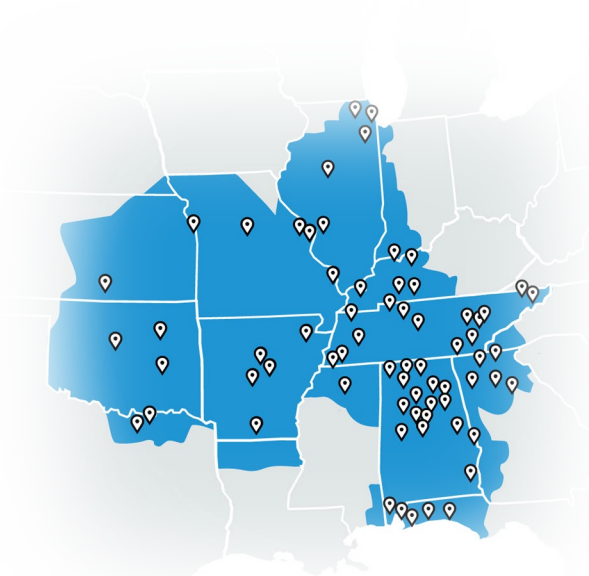


920
people



6 500 MSEK
sales

71 branches - current



**2012-2022 organic revenue
growth CAGR of 9%**

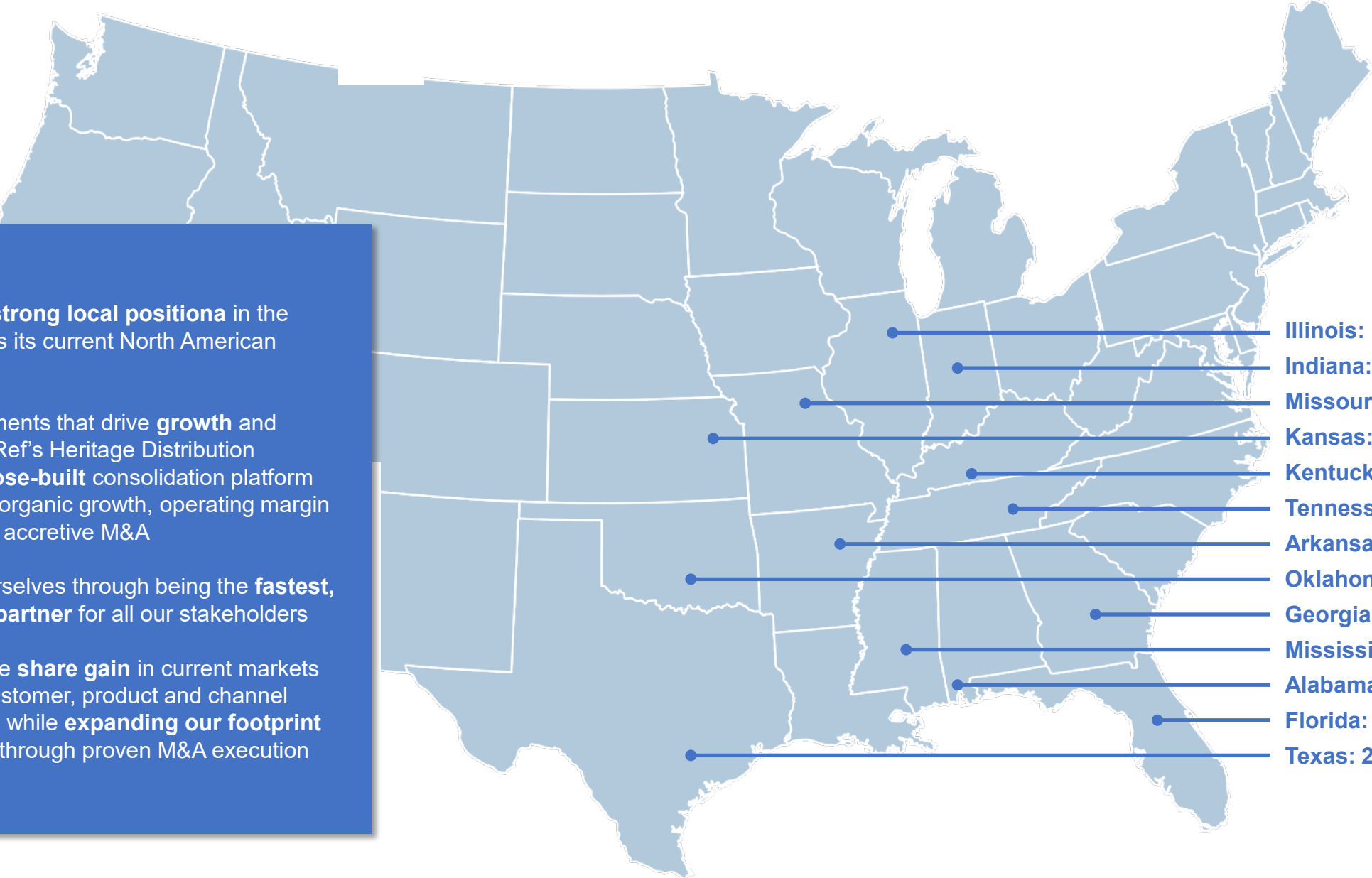


13
States



950 MSEK
2022 EBITDA

North America – branches per state



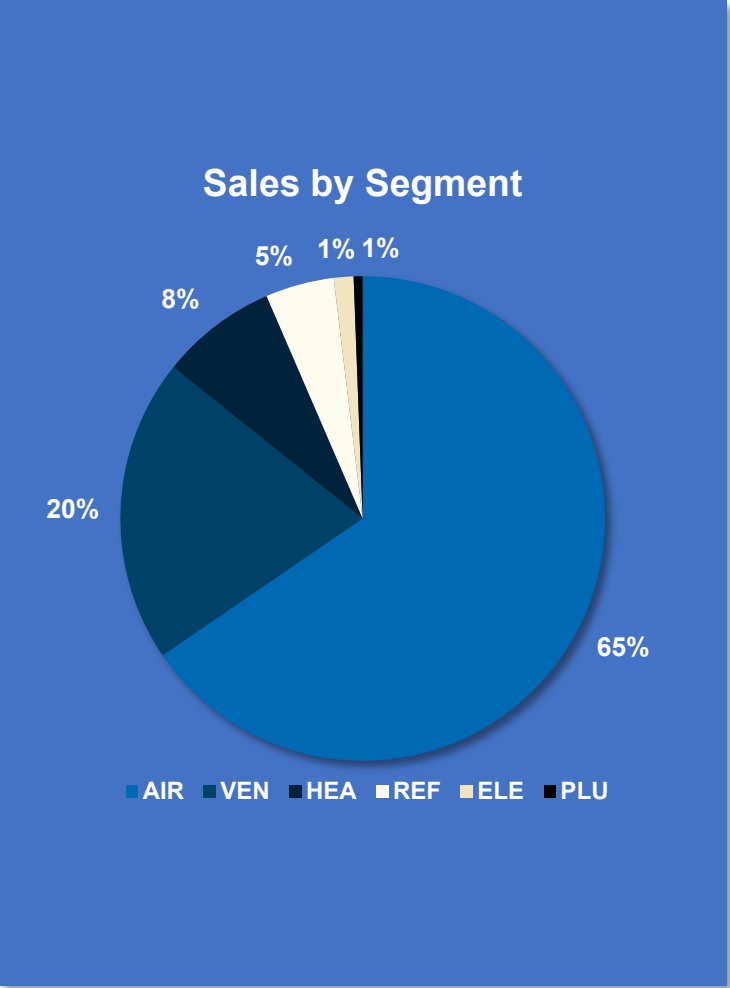
Beijer Ref holds a **strong local position** in the HVAC sector across its current North American footprint

Focused on investments that drive **growth** and **scalability**, Beijer Ref's Heritage Distribution Holdings is a **purpose-built** consolidation platform creating value with organic growth, operating margin improvements, and accretive M&A

We differentiate ourselves through being the **fastest, easiest, and best partner** for all our stakeholders

We continue to drive **share gain** in current markets through targeted customer, product and channel **growth strategies**, while **expanding our footprint** into target markets through proven M&A execution

North America overview 2022



Where we came from

Carl F. Wittichen founded **Wittichen Chemical Company** in Birmingham, AL, specializing in chemical distribution.

1914

Ed Nance, Ed Kennedy and Ed Dillow founded **Ed's Supply Company** in Nashville, TN, specializing in the wholesale distribution of HVAC parts and equipment.

1957

Marty Nuzik founded **NuComfort Supply** in Chicago, IL, specializing in the wholesale distribution of HVAC parts and equipment.

2002

Gryphon Investors established **Heritage Distribution Holdings** in Atlanta, GA, focusing on bringing together North American HVAC companies.

Wittichen acquired by HDH.

2021

HDH acquired by Beijer Ref.

AMSCO acquired by HDH.

2023

1928

Ray, Roy, and Charlie Benoist founded **Benoist Brothers Supply Company** in Mount Vernon, IL, focusing on coal furnace manufacturing.

1961

Ralph and Ernest Kessler founded **Coastal Supply Company** in Savannah, GA, specializing in the wholesale distribution of HVAC parts and equipment.

1974

Vic Flegler purchased Ames Company in Ponca City, OK, a single location plumbing wholesaler, which later became **AMSCO Supply**.

2018

NuComfort Supply acquired by Benoist Brothers Supply.

2022

Benoist Brothers, NuComfort Supply, Ed's Supply, Controlled Temp Supply, & Coastal Supply acquired by HDH.

Experienced management team



Alex Averitt
CEO, HDH

25+ years of industry experience



Scott Page
CFO, HDH

20+ years of functional experience



Brian Sasadu
CHRO, HDH

20+ years of functional experience



Charles Herring
President, Wittichen
50 years at Wittichen



Peter Warren
President, Benoist
30+ years of industry experience



Tucker Byram
President, Ed's Supply
10+ years at Ed's

Navigating trends for continued business growth



Regulation



**Energy
efficiency**



Climate change



Market growth



Electrification



Inflation Reduction Act

\$8.5 billion

Allocated for rebates and federal tax deductions on energy-saving appliances

30% federal tax credit

Up to \$3200 tax credit on energy saving purchases starting Jan. 1, 2023

10-year horizon

Tax and climate bill to provide HVAC/R incentives over the next decade



American innovation and manufacturing act

85% reduction

The AIM Act looks to phase down hydrofluorocarbons by 85% in the U.S. by 2036

33% less from 2023 to 2024

Phase down from 2023 to 2024 goes from 90% allowance to 60% allowance

100% A2L in 2025

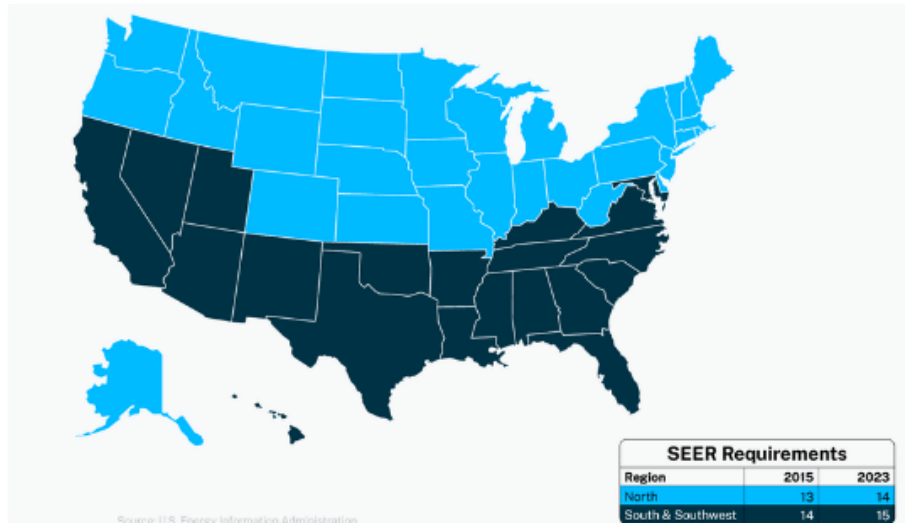
Starting Jan 1, 2025 all new residential HVAC must have A2L refrigerants



Trends - Energy Efficiency and ATL



Seers uplift



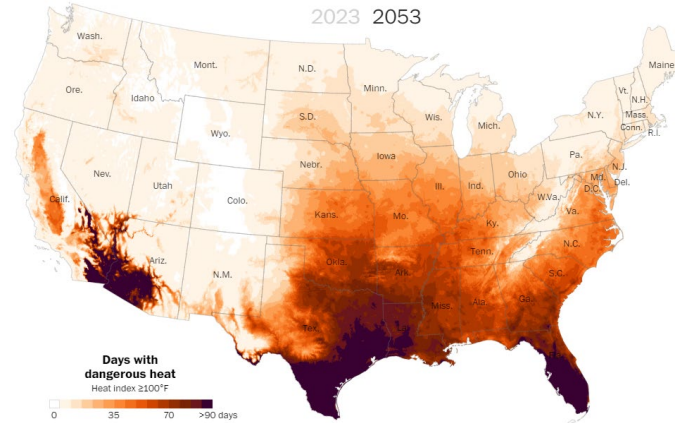
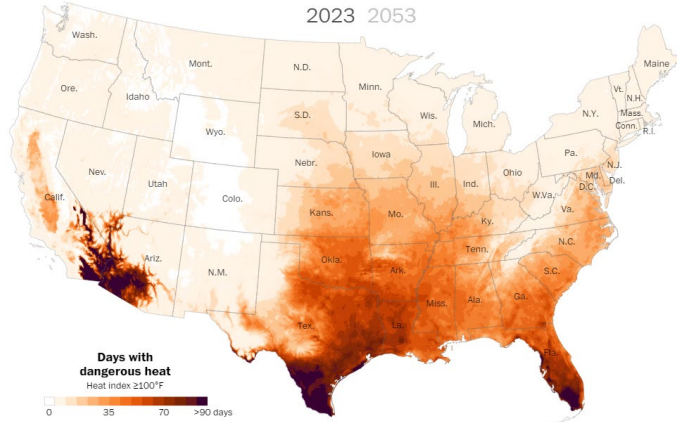
HVAC ATL



Trends – Climate Change

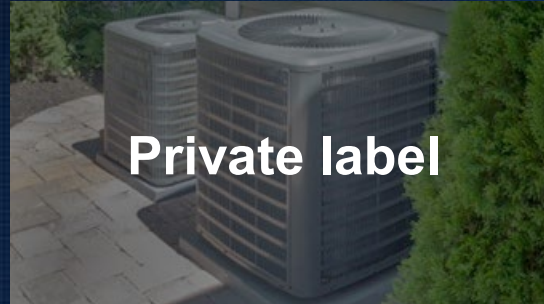


HDH geographies are subject to the fastest increase in days with extreme heat in the country, which could drive increase HVAC/R usage relative to the broader U.S.



A shortening replacement cycle stems primarily from increased strain placed on HVAC equipment as annual cooling days trend upward due to climate change.

Focus on value creation



Strategic growth levers



Commercial refrigeration



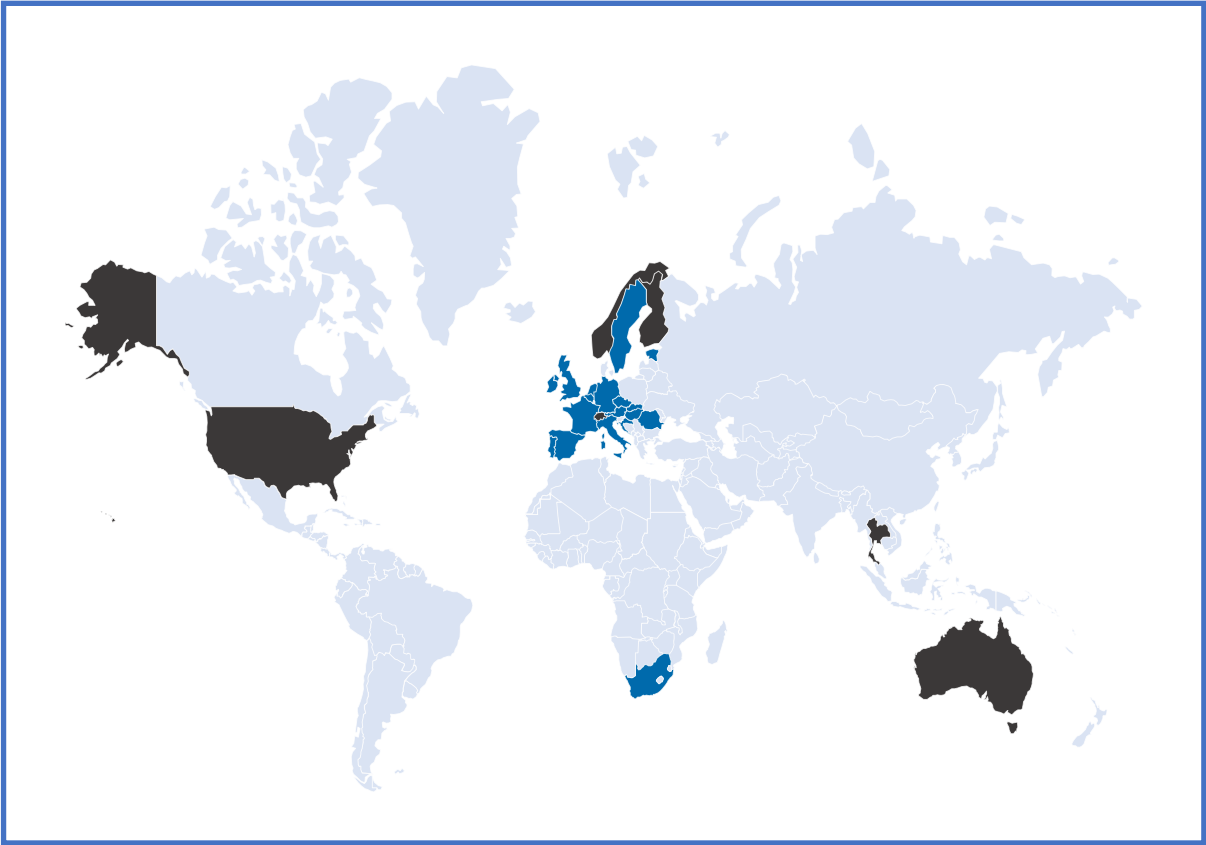
Light commercial HVAC



CO₂



Strategic growth levers



Product Details

- Ducted Domestic Systems
- Ducted Import systems
- Ductless Import systems

Timeline

- Fall 2023 (Selling Now)
- Spring 2024 (Pre-Season)
- Summer 2024 (High-Season)

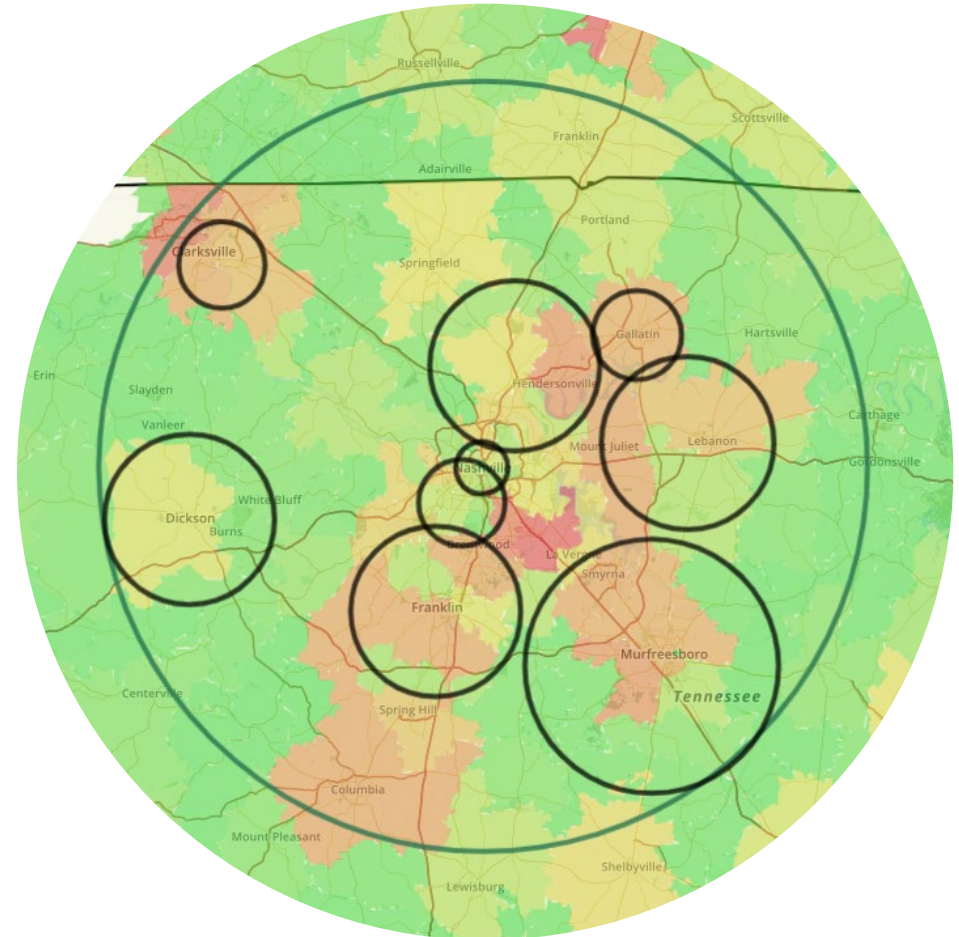


Market analysis

- Radius around each MSA
 - Metropolitan Statistical Area (50,000+ residents)
 - Micropolitan Statistical Area (10,000-49,999 residents)
- Determine TAM (Total Adressable Market)

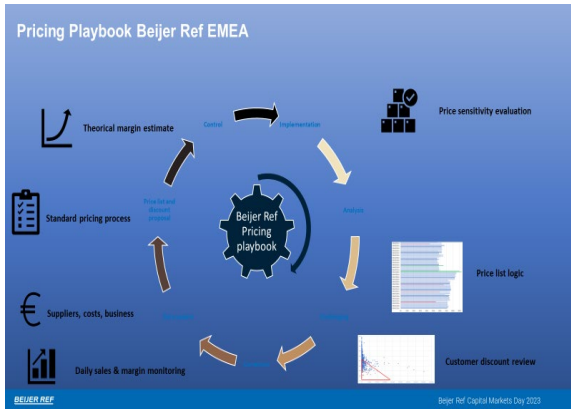
Market location analysis

- Radius size based on location type
 - Urban
 - Suburban
 - Rural
- Determine TAM and sustainable share based on:
 - Population
 - Number of single family homes
 - Number of competitors





Pricing



Sourcing



Digitalisation - ecommerce

A digital journey with clear focus

1 Drive and support our customer's digital journey

- Provide e-commerce solution and digital tools to support customer needs and drive efficiency for our customers
- Building a strong digital customer relationship

2 Operational efficiency

- Improving and digitalize our business to boost efficiency with help of new technology and solutions
- Integrate systems with vendors and partners for streamlined processes
- Focus on data accessibility to become a more data-driven business



Continuous improvement

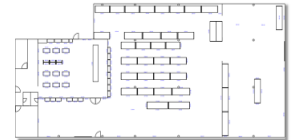
CONTINUOUS IMPROVEMENT – FASTEST TO DO BUSINESS WITH

Warehouse Reset

- Project management
- Data analysis
- Industrial engineering

1-Hour Delivery

- Targeted customers
- Reallocated labor
- Unused fleet capacity



Crafting the strongest HVAC-R platform in North America



Acquisition between 2021 – 2023



Bringing together strong companies

- Common cultural values
- Decentralized daily decision making
- Strong share in local markets
- Growing faster than the industry
- Top quartile operating margins

Building the strongest platform in NA

- Sharing best practices
- Technology enabling fact-based decisions
- Strategies proven to grow share
- Value creation through scale benefits
- Expanding product portfolio



Fragmented market

- \$55-60B USD Market
- 50-60% - Non-scaled distributors
- 20-30B USD in revenue
- 1,000 companies
- Average revenue of <23M USD

Platform synergies

- Acquirer of choice
- Proprietary deals with attractive valuation
- Potential day-1 procurement synergies
- Greenfield opportunities supported by OEM
- Product expansion
- Leverage against shared service cost
- Technology deployment
- OEM support for M&A growth strategy

Strategic factors

- People
- Strategy
- Historical Performance



Add on acquisition example – AMSCO



Strategic rationale

Background

- Founded in 1974, AMSCO Supply is a wholesale HVAC distributor serving contractors in Oklahoma, Kansas, Missouri and North Texas
- The Company has a long-term relationship with Rheem with de facto exclusivity in the operational territories
- AMSCO Supply has its headquarter located in Tulsa, Oklahoma and employs 50 people
- The current CEO will roll-over investment into Heritage platform and will continue to run the business



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COMPANY PRESENTATION 2023 21

Geographic fit

Geographic footprint



- HDH branches
- AMSCO branches
8 in total spread across 4 states (KS, MO, OK, TX)

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COMPANY PRESENTATION 2023 22

Synergies

Sales by segment



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COMPANY PRESENTATION 2023 23



Summary

North America by the numbers

Strong North American platform

71 branches - current
2012-2022 organic revenue growth CAGR of 9%
13 States
950 MSEK 2022 EBITDA

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U.S. macroeconomic trends

Trends that drives accelerated growth

Regulation Trends that drives accelerated growth Electrification

Navigating trends for continued Business growth.

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Focus on value creation

Clear value creation

Product expansion Private label Greenfields
Strategic improvement M&A

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Strategic improvement

Building the platform

Pricing Sourcing Digitalisation - e-commerce Continuous improvement

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M&A strategy

Good M&A pipeline

Fragmented market Platform synergies Strategic factors

- Fragmented market
 - \$55-60B USD Market
 - 50-60% - Non-scaled distributors
 - 20-30B USD in revenue
 - 1,000 companies
 - Average revenue of <23M USD
- Platform synergies
 - Acquirer of choice
 - Proprietary deals with attractive valuation
 - Potential day-1 procurement synergies
 - Greenfield opportunities supported by OEM
 - Product expansion
 - Leverage against shared service cost
 - Scale and synergies with strong brands
- Strategic factors
 - People
 - Strategy
 - Historical Performance

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Where we are

Experienced management team

Alex Avritter CEO, HDH 25+ years of industry experience
Ian Sasadu CEO, HDH 15+ years of functional experience
Charles Hitting President, Wiltchen 45+ years at Wiltchen
Peter Warren President, Bechtel 35+ years of industry experience
Tucker Byrum President, E*Supply 15+ years at E*Supply

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15-minute break

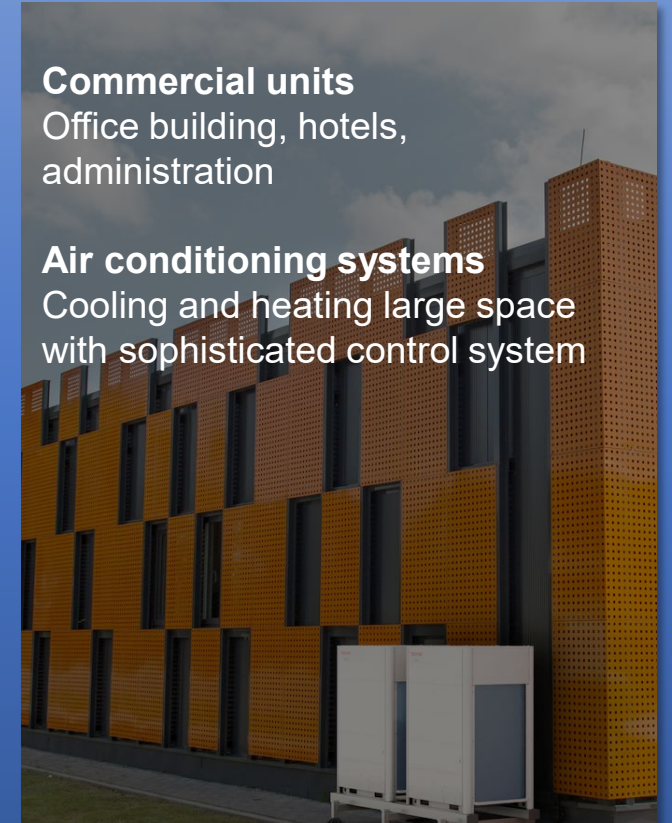
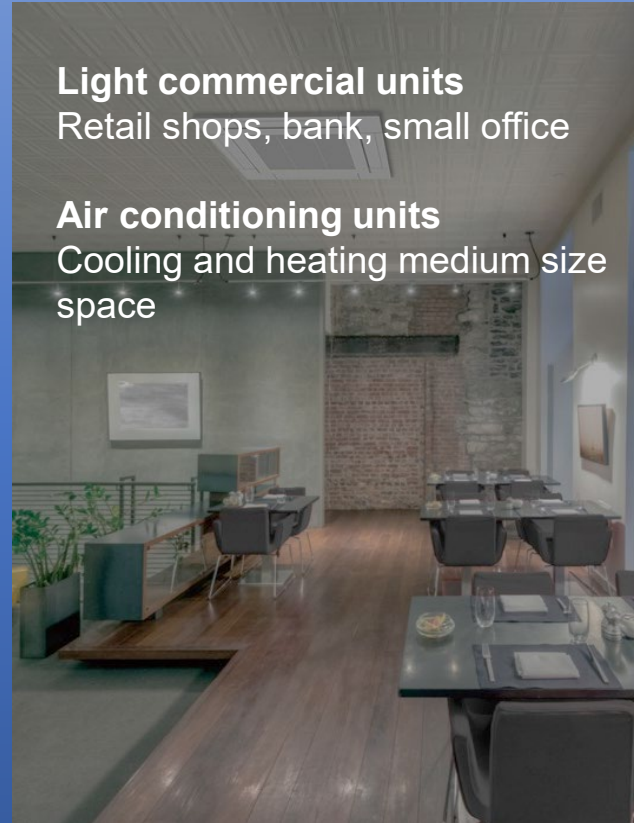
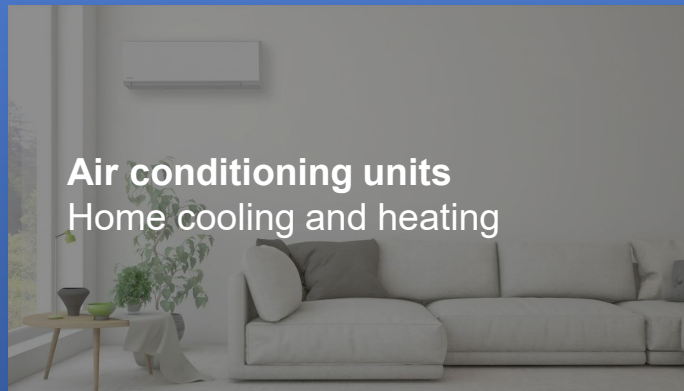
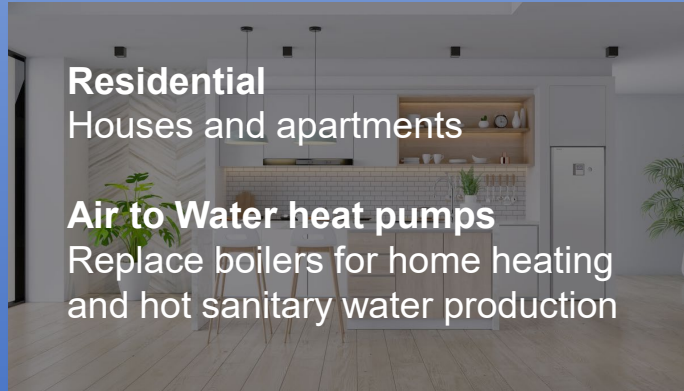
Unleash the power of efficient heating



Yann Talhouët
HVAC

MA in Business Administration from Paris Dauphine and an MBA from INSEAD. Previous experience includes serving as a Consultant (Kearney), General Manager (Carrier). Over the course of his career, Yann has dedicated 12 years to Beijer Ref and 20 years to Carrier Toshiba.

Toshiba HVAC product line



Toshiba HVAC manufacturing sites

Japan

Based at Fujiyama, at the footstep of Mount Fuji. Hosting core R&D center.



China

Based in Hanzou, producing mainly VRF and mini-VRF. R&D center hosts one of the highest testing towers of the industry (120 meters).



Thailand

Based in Bangkok, producing residential and light commercial systems



Poland

Based in Gniezno, producing mainly A/W heat pumps for the European market. Opened in 2021.



Key activities

Market intelligence

Technical sales team

Project quotations

Logistics

Start up

After sales

EU heat pump market

Market Drivers:

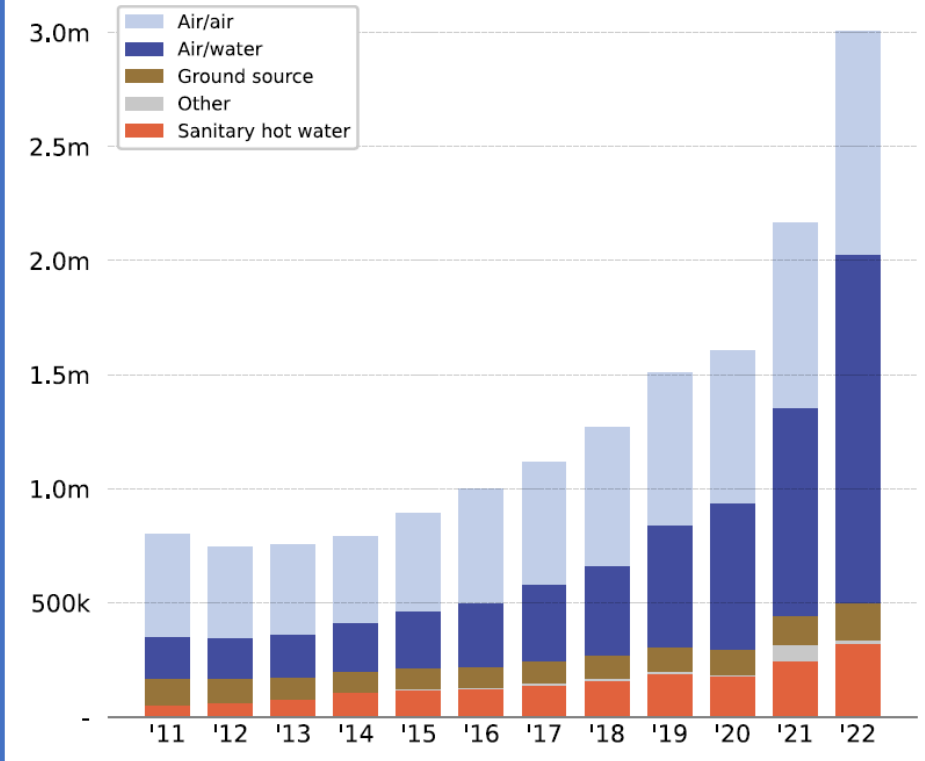
EU decarbonisation plans (Fit for 55) translated in EU countries via:

- Incentive systems (usually tax breaks or direct incentives).
- New buildings norms to promote renewable energies and banning fossil fuel energies.

Increasing energy prices:

- Accelerating pay-back of heat-pumps vs. other devices.
- Increasing incentives towards low-income households and institutional programs to reduce energy bills.

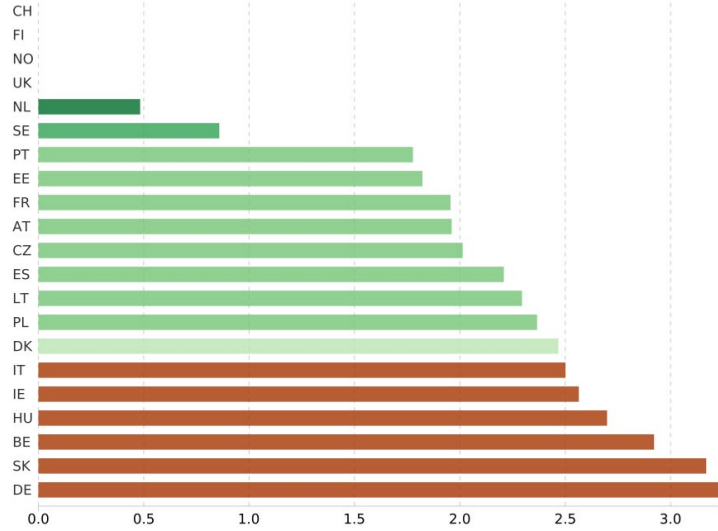
EU heat pumps sales 2011 - 2022



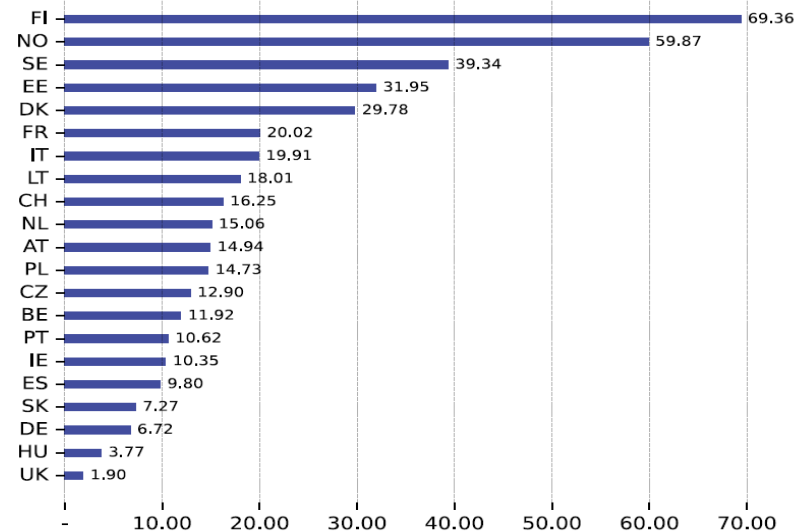
Source: European Heat Pump Association

EU heat pump market dynamics

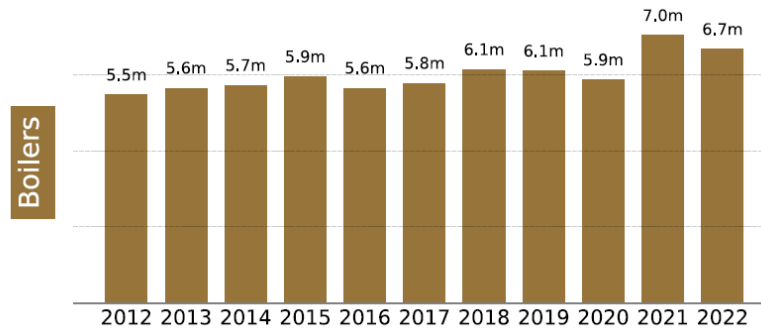
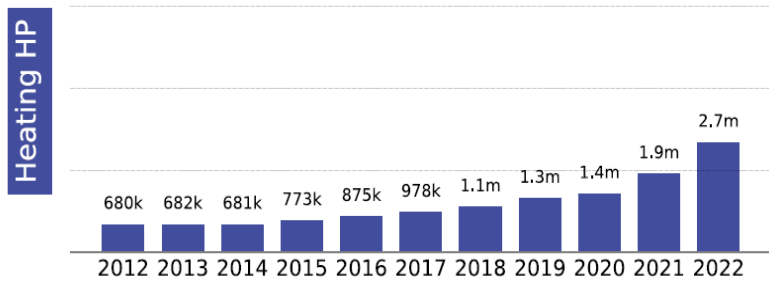
Electricity price vs gas by country



2022 heat pump penetration rate by country



EU heat pump vs boilers sales 2012-2022

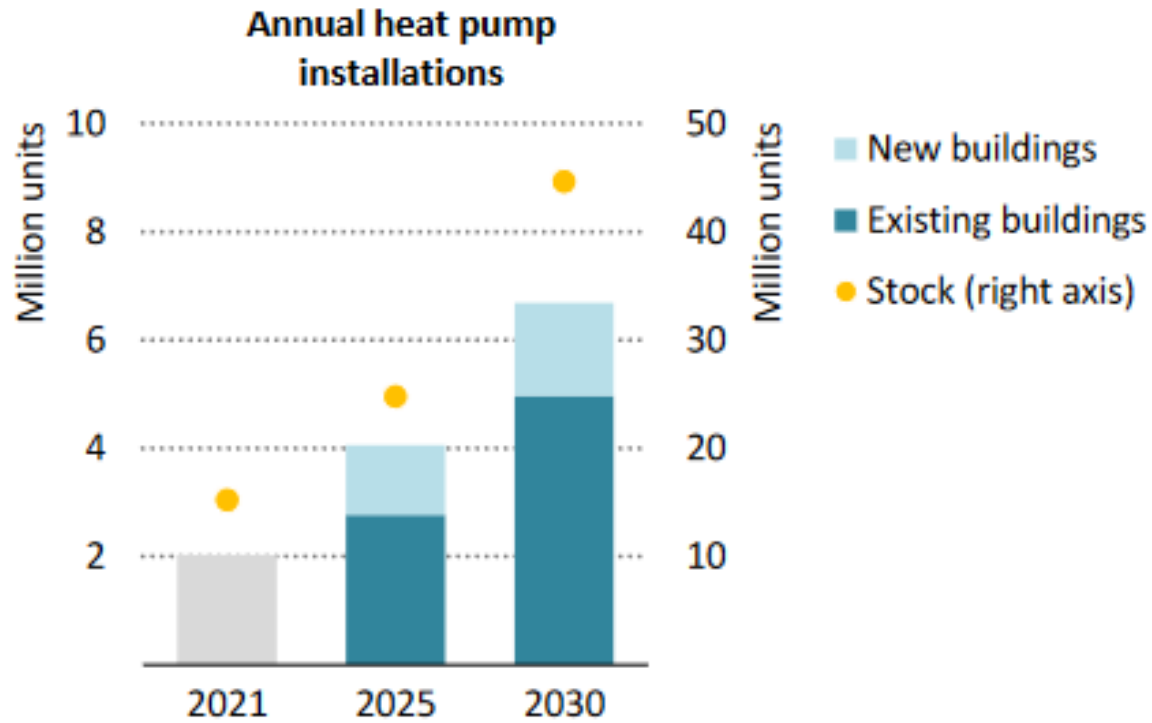


Source: European Heat Pump Association

EU heat pump market dynamics

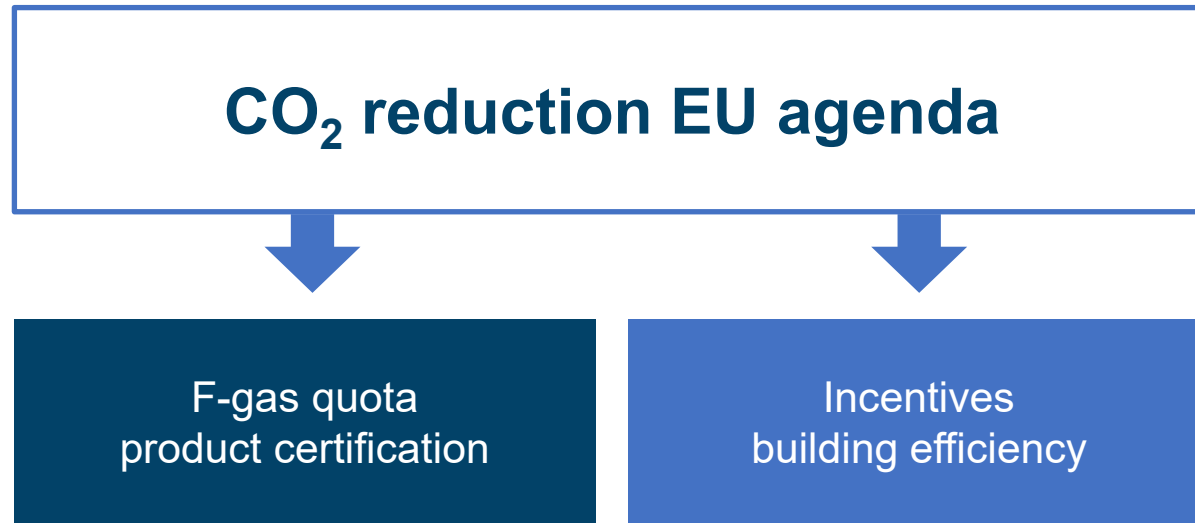
EU heat pump installations and stock 2021-2030 in the APS

APS: Announced Pledge Scenario (assumption that governments will meet announce climate related commitments)

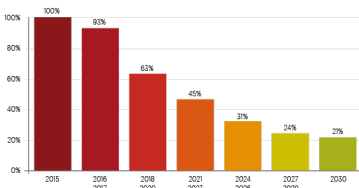


Source: International Energy Agency

EU heat pump regulation (1/2)



F-gas (UE 517/2014):
F-gas usage conditions
CO₂ eq phase-down scheme



Eco-design:
Min. Energy Perf. Standards (MEPS) Energy labelling



EN-378 & IEC60335-2-40:
Flammability limits
Toxicity limits



EED & RED:
Target % CO₂ reduction
Target % of Renewable



Renewable Energy Directive EU

Building efficiency



EU heat pump regulation (2/2)

EU Regulations directions:

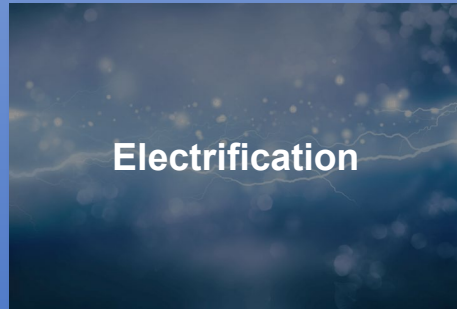
1. More natural refrigerants vs. synthetic refrigerants
2. More efficient units, using less energy
3. Better units: more connected, less noisy, more repairable, lower CO₂ footprint



Market consequences:

1. Increase of R&D investment from the industry
2. Acceleration of the replacement of units on the field
3. Increase of the value of the systems increasingly sophisticated

Heat pumps – key drivers for the future



CO₂ emission reduction targets

- Paris COP pledge
- EU Fit for 55 target

Electrification

- Green electricity + heat-pump = green heating

Raising energy costs

- Prices volatility
- Fossil fuel taxes

Technology efficiency

- Increasing efficiency year after year
- CO₂ footprint reduction
- Smart Grid

Energy efficiency regulation

- Fossil fuels bans for new construction
- Heat pump incentive for existing buildings

Beijer Ref heat pumps – brand portfolio

Residential



Commercial



Industrial



Low GWP and natural refrigerants



Natural refrigerants



Heat pumps beyond the EU market



Air to Air heat pump

Replaces gas and electrical heaters and other non hydraulic system (ex: stoves)

System can provide cooling

Hot sanitary water to be provided by another device



Air to Air heat pump

Replaces gas and electrical heaters and other non hydraulic system (ex: stoves)

System can provide cooling

Hot sanitary water to be provided by another device



Air to Air heat pump

Replaces gas and electrical heaters and other non hydraulic system (ex: stoves)

System can provide cooling

Hot sanitary water to be provided by another device



Ducted heat pumps

Replaces duct furnace

System can provide cooling

Hot sanitary water to be provided by another device



Ducted heat pumps

Replaces gas and electrical heaters and other non hydraulic system (ex: stoves)

System can provide cooling and ventilation

Hot Sanitary Water to be provided by another device



Air to Water heat pump

Replaces Oil & Gas boilers while maintaining heating system in place (floor heating / radiators)

Can provide Hot Sanitary Water



Summary

Toshiba HVAC product line

Residential
- houses and apartments

Air to Water heat pumps
Replace boilers for home heating and hot sanitary water production

Air conditioning units
Home cooling and heating

Light commercial units
- retail shops, bank, small office etc.

Air conditioning units
Cooling and heating medium size space

Commercial units
- office building, hotels, administration

Air conditioning systems
Cooling and heating large space with digital control system

HVAC product line

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Toshiba HVAC

Market intelligence

Technical specifications

Project quotations

Start up

After sales

Toshiba HVAC

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EU heat pump market

Market Drivers:

EU decarbonisation plans (Fit for 55) translated in EU countries via:

- Incentive systems (usually tax breaks or direct subsidies)
- Increasing energy prices
- Increasing incentives towards low-income households and institutional programs to reduce energy bills.

EU heat pumps sales 2011 - 2022

Source: European Heat Pump Association

EU heat pump market

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EU heat pump market dynamics

EU heat pump installations and stock 2021-2030 in the APS
APS: Announced Pledge Scenario (assumption that governments will meet announced climate related commitments)

EU heat pump market dynamics

Source: International Energy Agency

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EU heat pump regulation (2/2)

EU Regulations directions:

- More Natural refrigerants vs. synthetic refrigerants
- More repairable, lower CO₂ footprint

Market consequences:

- Increase of R&D investment from industry
- Increase of the value of the systems increasingly sophisticated

EU heat pump regulation

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Heat pumps beyond the EU market

Air to Air heat pump

Replaces electrical heaters and other non-hydraulic systems

System can provide cooling

Hot sanitary water to be provided by another device

Air to Air heat pump

Replaces electrical heaters and other non-hydraulic systems

Hot sanitary water to be provided by another device

Air to Air heat pump

Replaces electrical heaters and other non-hydraulic systems

Hot sanitary water to be provided by another device

Unitary heat pump

Replaces duct furnace

System can provide cooling and ventilation

Hot sanitary water to be provided by another device

Air to Water heat pump

Replaces electrical heaters and other non-hydraulic system (ex. stoves)

System can provide cooling and ventilation

Hot Sanitary Water to be provided by another device

Air to Water heat pump

Replaces Oil & Gas boilers while maintaining heating system in place (floor heating radiators)

Can provide Hot Sanitary Water

Heat pumps beyond the EU market

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SCM Frigo

Leading OEM focus on industrial and commercial cooling equipment based on natural refrigerants



Nicola Pignatelli
Managing Director

Master's degree in Mechanical Engineering, with a specialization in refrigeration techniques. Nicola has an extensive track record of undertaking various roles at SCM FRIGO, including serving as Sales Director and COO.

SCM Frigo Italy

✓ 40+ years in refrigeration

✓ Total area 35,000 m²

✓ Industrial and commercial refrigeration

✓ Built 15,000 m²

✓ Focus on natural refrigerants

✓ Production and warehouse 13,000 m²

✓ Strategic location

✓ Offices and Beijer Ref Academy 2,000 m²

Where is SCM Frigo located



**“Where you are matters.
Veneto, a strategic location
with a competitive edge.”**

Exploring SCM Frigo's historical journey



Values that shape outcomes



How do we contribute to sustainability?

- ✓ **Designing and manufacturing systems with natural refrigerants in facilities that use renewable energy and limiting all possible waste.**
- ✓ **The HVAC-R industry is responsible for more than 4% of the global greenhouse gas emissions. As manufacturers we have the responsibility to design and produce equipment that helps the industry to reduce this impact.**
- ✓ **We reduce CO₂ emissions by using natural refrigerants with zero impact to the Greenhouse Effect, instead of using high Global Warming Potential (GWP) gases. 1 KG of the traditional refrigerant equals to 1 500 KG CO₂**



SCM FRIGO – impact in 2022

GWP_100

In 2022 SCM Frigo placed on the market natural refrigerant based equipment mitigating a combined total of life time emissions equal to:

2,900,000 metric tons of CO₂e

this is approximately equivalent to:



650,000

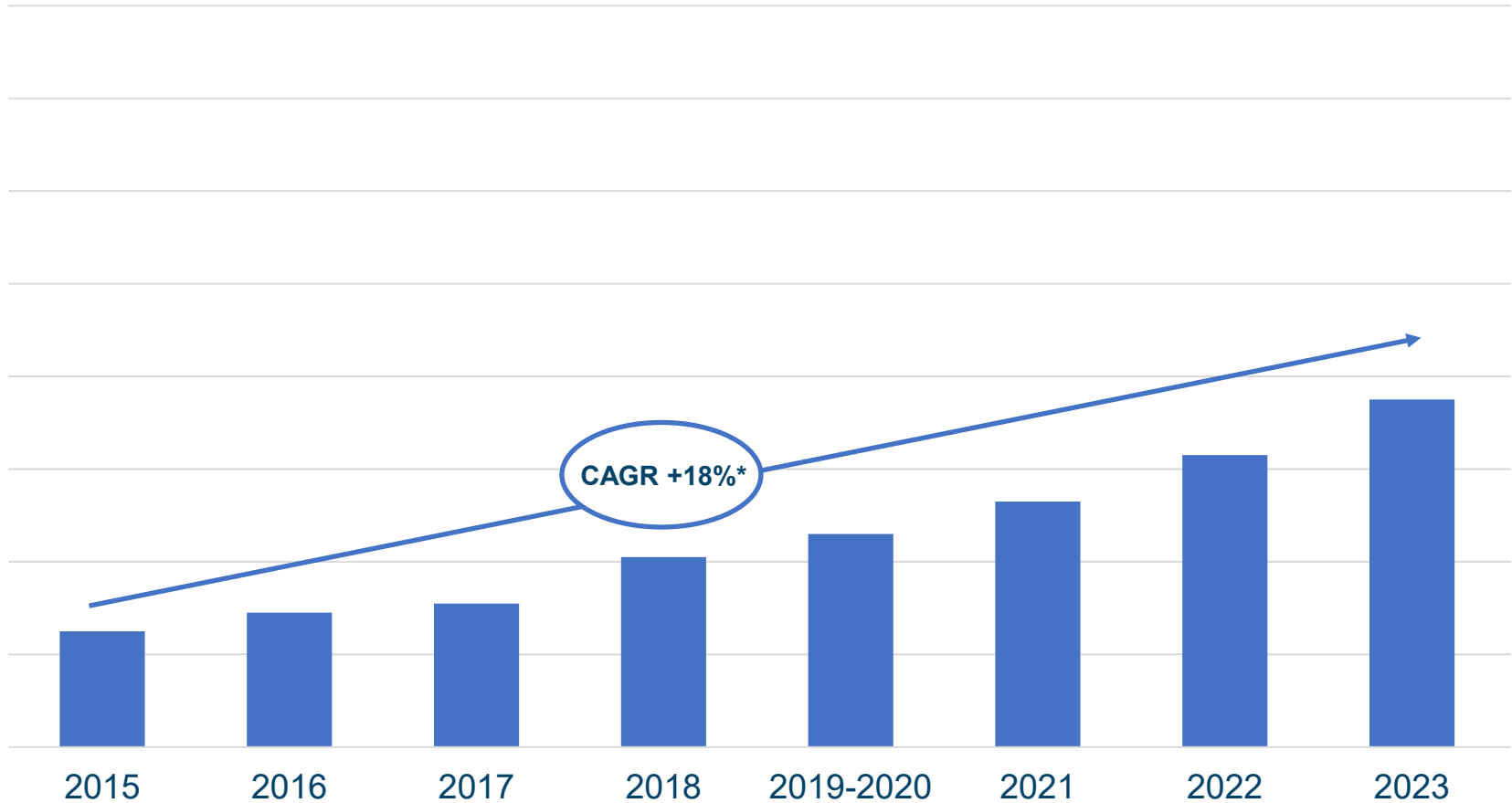
Cars off the street



370,000

Homes' energy used per year

From Great to Super

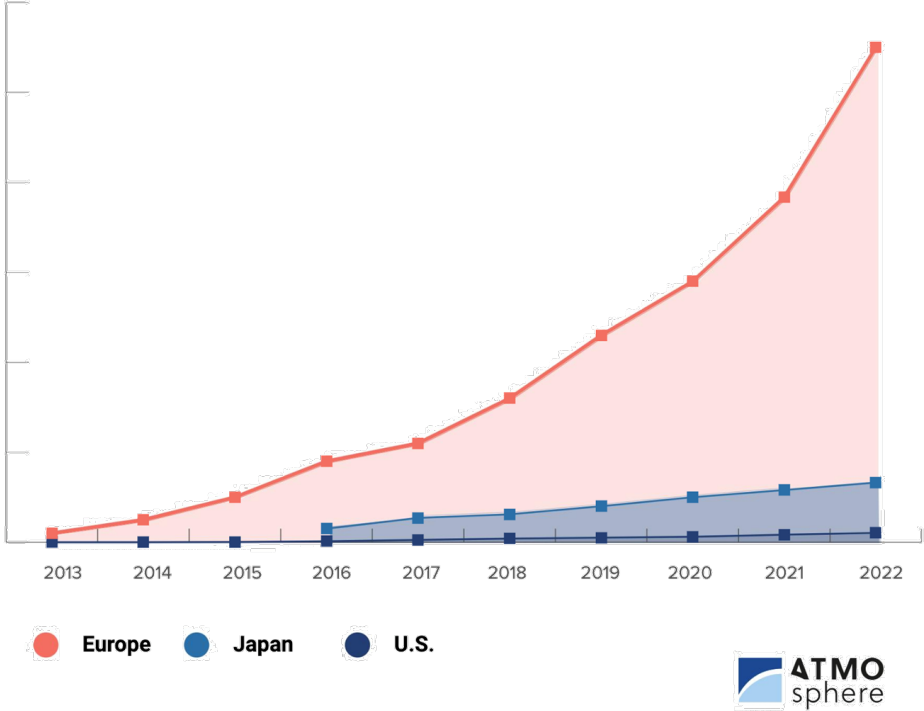


*2015 – 2023 (R12)

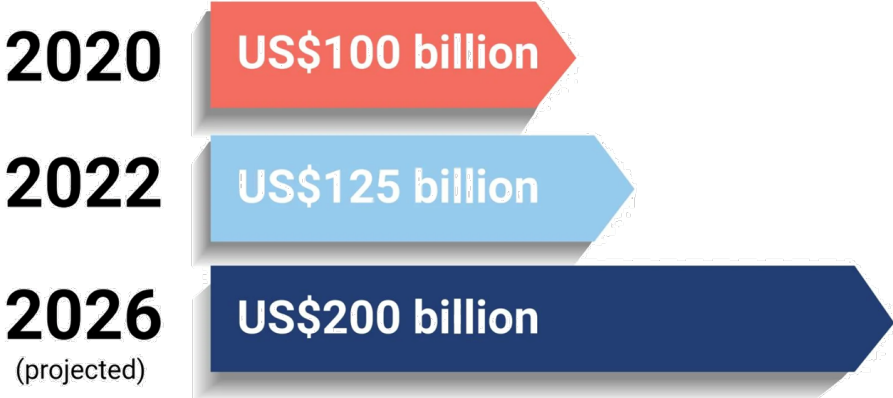
Market installations CO₂ overview and forecast

Transcritical CO₂ Installation Growth in Major Regions

(stores)



Revenues of European Cold Storage Facilities



Source: AMA International, July 4, 2022, "Growing Importance of Cold Storage for European Markets," <https://bit.ly/3RAidCe>



New European legislation moves towards sustainable refrigeration

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Council of the EU Press release 5 October 2023 08:40

Fluorinated gases and ozone-depleting substances: Council and Parliament reach agreement

The Council and Parliament negotiators today reached a provisional political agreement on phasing down substances that cause global warming and deplete the ozone layer.

This provisional agreement finalises negotiations on fluorinated greenhouse gases (F-gases) and confirms an informal agreement reached in June on ozone-depleting substances (ODSs).

While existing EU legislation has already limited the use of F-gases significantly, the new rules would further reduce their emission into the atmosphere and contribute to limiting the global temperature increase, in line with the Paris Agreement.



I am extremely satisfied with the agreement that we reached today on fluorinated gases, which goes hand-in-hand with the work we have carried out on ozone-depleting substances. Such substances have highly negative impacts on the health of our planet and must be phased down. The agreement is an important step towards our common goal of fighting climate change and will help us reach our ambitious climate goals.

— Teresa Ribera Rodríguez, acting Spanish minister for the ecological transition and the demographic challenge

Fluorinated gases

According to the provisional agreement, the **consumption of hydrofluorocarbons (HFCs)** will be completely **phased out by 2050**, and the **production of HFCs**, in terms of production rights allocated by the Commission, will be **phased down** to a minimum (15%) as of **2036**. Both production and consumption will be phased down based on a **tight schedule of decreasing quota allocation** (Annexes V and VI). The agreement introduces a higher quota allocation for the first two periods compared to the Commission proposal. Semi-conductors will be exempted from the HFC quota allocation system, as proposed by the Commission, and the feasibility of the phase-out of the consumption of HFCs and the need for HFCs in sectors where they are still used will be **reviewed in 2040**, taking into account technological developments and the availability of alternatives to HFCs for the relevant applications.

The text introduces a full ban on **placing several categories of products and equipment containing HFCs on the market**, including certain domestic refrigerators, chillers, foams and aerosols (Annex IV). It brings forward some deadlines for the ban and extends it to products that use F-gases with a lesser global warming potential (GWP). Exemptions from the ban are provided for if there are safety concerns.

The provisional agreement introduces a **full ban on small (<12kW) monobloc heat pumps and air conditioning** that contain F-gases with a GWP of at least 150 starting in 2027, and a complete phase-out in 2032. With regard to split air conditioning and heat pumps containing F-gases, the co-legislators agreed on a full ban starting in 2035, with earlier deadlines for certain types of split systems with higher global warming potential. Exemptions are provided for in cases where this equipment is needed to meet safety requirements. The provisional agreement also includes the possibility to release a limited number of additional quotas for heat pumps if the proposed bans were to endanger the attainment of the heat pump deployment target required under REPowerEU.

The text also lays down a **new full ban on medium voltage switchgears** relying on F-gases, with a gradual phase-out by **2030**, and a ban on **high voltage switchgears by 2032**. It introduces a cascading principle that allows for potential derogations from the bans depending on the bidding process for F-gas-free alternatives. It includes a possibility for high voltage switchgear to use the very potent greenhouse gas SF6 as a last resort under the cascading principle and adds a number of safeguards in order to avoid the bans endangering the functioning of the electrical grids.

The provisional agreement introduces a ban on some equipment needed to **repair and service existing equipment**. From 2025, servicing equipment for refrigeration equipment that uses F-gases with high global warming potential will be banned unless the gases are reclaimed or recycled, in which case they benefit from a derogation until 2030. A similar ban is introduced for servicing equipment for air conditioning and heat pump equipment for 2026, with a derogation for reclaimed or recycled gases until 2032. A servicing ban on stationary refrigeration equipment designed to cool products to temperatures below -50 °C using F-gases with lower global warming potential will be applied in 2032, with a permanent derogation where recycled or reclaimed gases are used.

The text sets the **HFC quota allocation price at €3**, adjustable for inflation. Part of the revenue will be used to cover the administrative costs of the implementation of the F-gas regulation, and the rest will go to the general EU budget.

The text sets out a mandatory **extended producer responsibility (EPR) scheme** from 1 January 2028 for F-gases in products and equipment which fall under the categories of electrical and electronic equipment subject to Directive 2012/19/EU (on waste electrical and electronic equipment).

The provisional text provides that member states will set rules on **effective, proportionate and dissuasive penalties** applicable to infringements. The penalties should include at least fines, confiscation of products, temporary exclusion of products from public procurement and temporary trade bans. They should be compatible with the Environmental Crime Directive and with national legal systems. They should be above a set minimum quantitative threshold if member states decide to set a threshold.

The European Parliament has agreed to phase out F-gases, including HFCs, by 2050. This includes systems below 40 kW. And alternatives to the use of HFCs in cooling and heating solutions are already available.

Our geographical presence



References – retail, logistics and industrials



Sainsbury's



Pharma



Shrimps



Meal kit



Ice Cream



Shipping company

Your global eco-friendly refrigerant training program



Become a CO₂ specialist

- ✓ Academy offers CO₂ refrigeration system training
- ✓ Covers various configurations, from condensing units to complete racks
- ✓ Aims to enhance CO₂ system performance in all applications and weather conditions
- ✓ Beijer Ref wholesale network gives us direct access to a huge part of the refrigeration installers in the world

BEIJER REF
ACADEMY

The widest variety of cooling systems in the world



CUBO2 SMART CONDENSING UNIT

COOLING CAPACITY 0,5-10 kW Refrigerant CO₂
 APPLICATIONS: **Small Shops, Petrol Stations**



CUBO2 PLUS CONDENSING UNIT

COOLING CAPACITY 3-47 kW Refrigerant CO₂
 APPLICATIONS: **Cold Rooms for Food Storing**



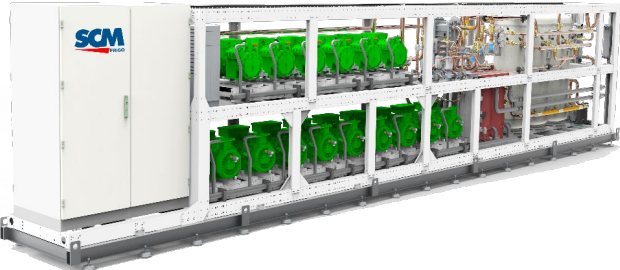
SMART BOOSTER MULTI SYSTEM RETAIL

COOLING CAPACITY 5-80 kW Refrigerant CO₂
 APPLICATIONS: **Convenience Stores**



LEAN BOOSTER MULTI SYSTEM RETAIL

COOLING CAPACITY 20-180 kW Refrigerant CO₂
 APPLICATIONS: **Medium/Big super markets**



iBOOSTER MULTI SYSTEM INDUSTRIAL

COOLING CAPACITY 50-1300 kW Refrigerant CO₂
 APPLICATIONS: **Logistic Centers, Food Process**



Design for long life and reuse when scraped

- Reduce environment impact during operation
- 1) Use of natural refrigerants only
 - 2) Energy efficiency
 - 3) Customized, innovative and intelligent

SMART heat pump based on CO₂

A new milestone in sustainable heating



European strategy to phase-out **fossil fuel heating systems**.

The new **F-gas regulation** is pushing out the use of HFCs also in HVAC industry.

Huge market potential for a green climate control solution for **multi-family residential buildings, hypermarkets, hotels, logistic centers, government/public buildings**.

To be **launched in 2024** a range of heat pumps from 25kW to 300kW with:

- ✓ **Innovative technology**
- ✓ **Reduced carbon footprint**
- ✓ **Best class in performance**

Future market for refrigeration systems with natural refrigerants

- ✓ Time advantage (20+ years)
- ✓ Large presence everywhere with Beijer Ref
- ✓ Academies
- ✓ Regulations will continue to boost the volumes
- ✓ New facility with a strong production capacity
- ✓ Strong product development and partners
- ✓ Fast developing with tested innovations



Summary

How do we contribute to sustainability?

- ✓ Designing and manufacturing systems with natural refrigerants in facilities that use renewable energy and limiting all possible waste.
- ✓ The HVAC-R industry is responsible for more than 4% of the global greenhouse gas emissions. As manufacturers we have the responsibility to help the industry to reduce this impact.
- ✓ We reduce CO₂ emissions by using natural refrigerants with zero impact to the Greenhouse Effect, instead of using high Global Warming Potential (GWP) gases.



Driving sustainability

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Market installations CO₂ overview and forecast

Accelerating growth of CO₂-based systems

Transcritical CO₂ Installation Growth in Major Regions (stores)

Revenues of European Cold Storage Facilities

2022: US\$125 billion



Source: AHRI International, July 4, 2022, "Survey Experience of Cold Storage for European Markets" https://doi.org/10.1016/j.atsphere.2022.101001

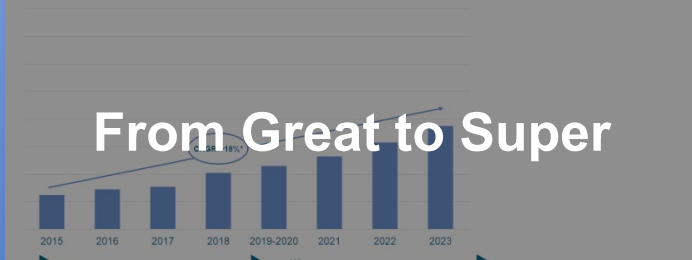
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From Great to Super

From Great to Super

2015 - 2023 (R12)

Good → X2 Great → Super



BEIJER REF | Sustainable Temperature Control for All | Beijer Ref Capital Markets Day 2023 | 8

References – retail, logistics and industrials



References – retail, logistics and industrials

BEIJER REF | Sustainable Temperature Control for All | Beijer Ref Capital Markets Day 2023 | 96

The widest variety of cooling systems in the world

Wide variety of cooling systems

Design for long life and reuse when scrapped

- Reduce environment impact during operation
- 1) Use of natural refrigerants only
- 2) Energy efficiency
- 3) Customized, innovative and intelligent

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SMART heat pump based on CO₂

SMART heat pump based on CO₂


A new milestone in sustainable heating

New Directives will come in Europe to ban fossil fuel heating systems.

The New F Gas regulation is pushing out the use of HFCs also in HVAC industry

We are ready and we will launch in 2024 a Range of Heat Pumps from 25kW to 300kW with:

- ✓ Innovative technology
- ✓ Reduced carbon footprint
- ✓ Best Class in performance



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FENAGY

The future production of heat and refrigeration is CO₂ neutral



Kim Christensen
Managing Director

Master's degree in mechanical engineering at DTU in 1995 and bachelor's in engineering business administration in 2003. General manager at Danish Technological Institute for the refrigeration department from 2001. Founded Advansor in 2006 and stayed as CEO for Advansor until 2018.

Co-founder of Fenagy during in 2020 – a leading manufacturer of industrial refrigeration and electrical heat pumps with natural refrigerants. The majority of Fenagy was acquired by Beijer Ref in 2021.

Manufacturer of heat pumps and refrigeration systems

✓ 3000 m² office and production in Lystrup (Aarhus, Denmark)

✓ 40 projects sold and getting close to 100 MW installed capacity – average project size = 2 M€

✓ 80 heat pumps (2020:1/2021:13/2022:28/2023:38)

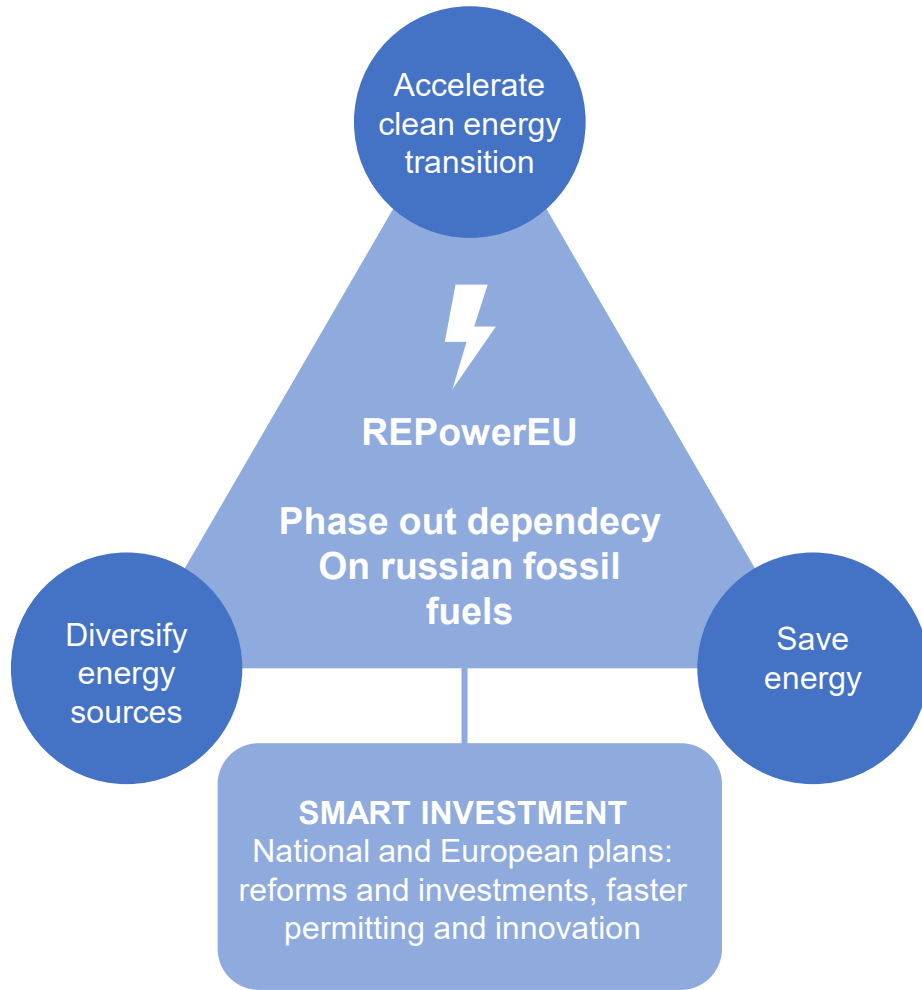
✓ We do – Refrigeration | Heat Pumps | CHC

✓ We focus on CO₂ and HC's as refrigerants

✓ Focused on industrial HP's in the range 0,5– 15 MW

Fenagy

Twice as efficient as fossil boilers, do not burn anything



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Energy

Heat pumps twice as efficient as fossil fuel systems in cold weather, study finds

Doubts about whether heat pumps work well in subzero conditions shown to be unfounded, say researchers

Fiona Harvey Environment editor

Mon 11 Sep 2023 16:00 BST



A heat pump installed in a house in Frankfurt, Germany. The UK is lagging far behind on uptake of the technology. Photograph: Michael Probst/AP

Heat pumps are more than twice as efficient as fossil fuel heating systems in cold temperatures, research shows.

Even at temperatures approaching -30C, heat pumps outperform oil and gas heating systems, according to the [research from](#) Oxford University and the Regulatory Assistance Project thinktank.

Heat pump uptake is rising in many countries as fossil fuel energy prices have soared following the invasion of Ukraine and as governments seek to reach net zero greenhouse gas emissions.

But the UK has [lagged far behind](#). France, for instance, [installs 10 times as many heat pumps as the UK](#), where many people are unfamiliar with them

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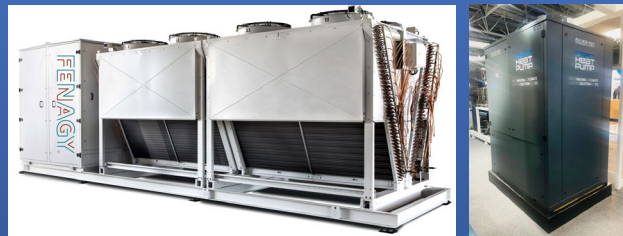
Heat pumps in three categories

Electrification of the heating systems in Europe

Domestic / household
0 – 20 kW



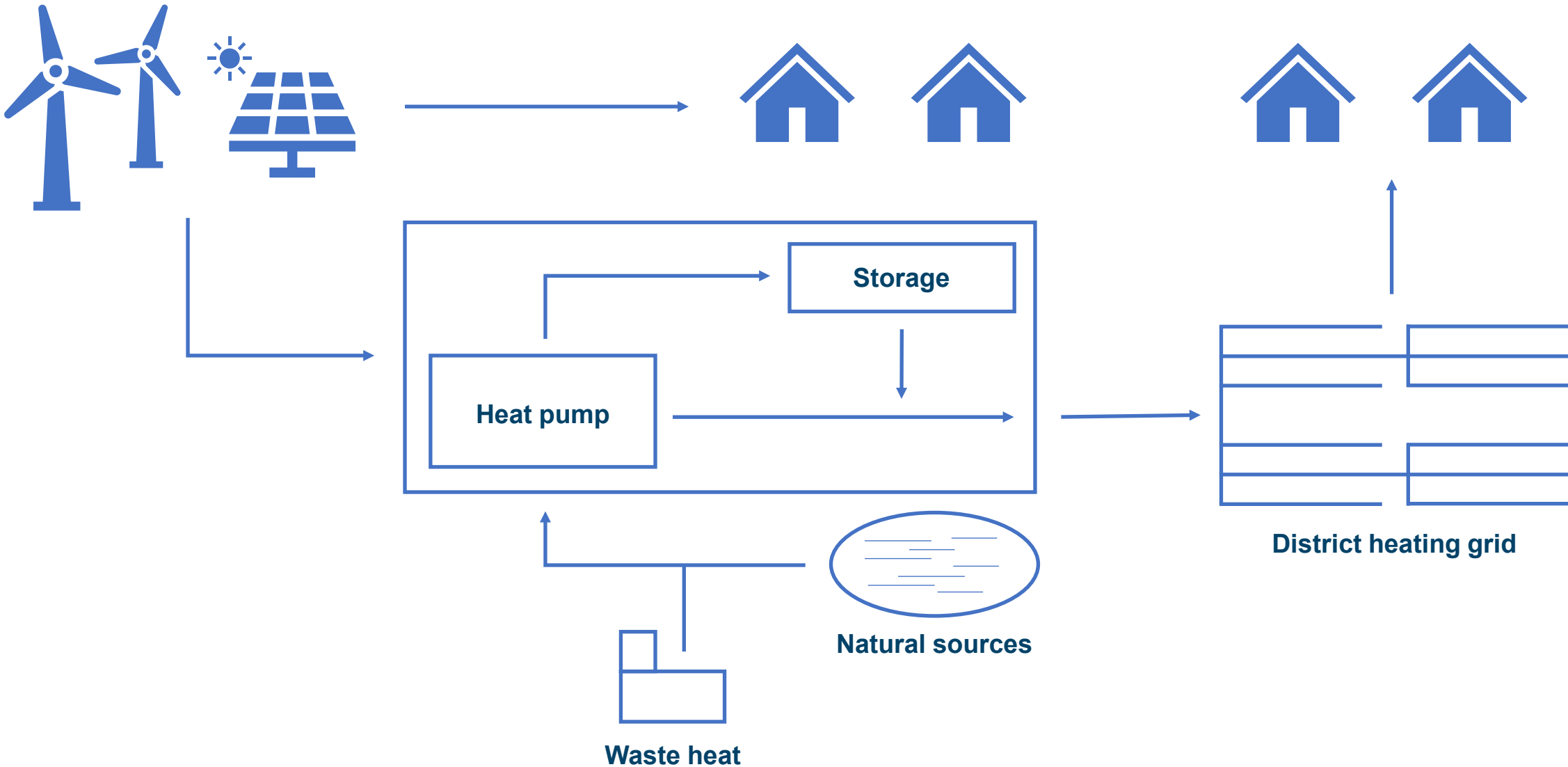
Commercial
20 – 300 kW



Industrial
300 – 15.000 kW

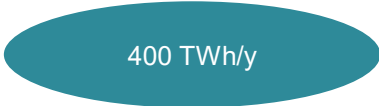


Decarbonizing the utility sector – district heating

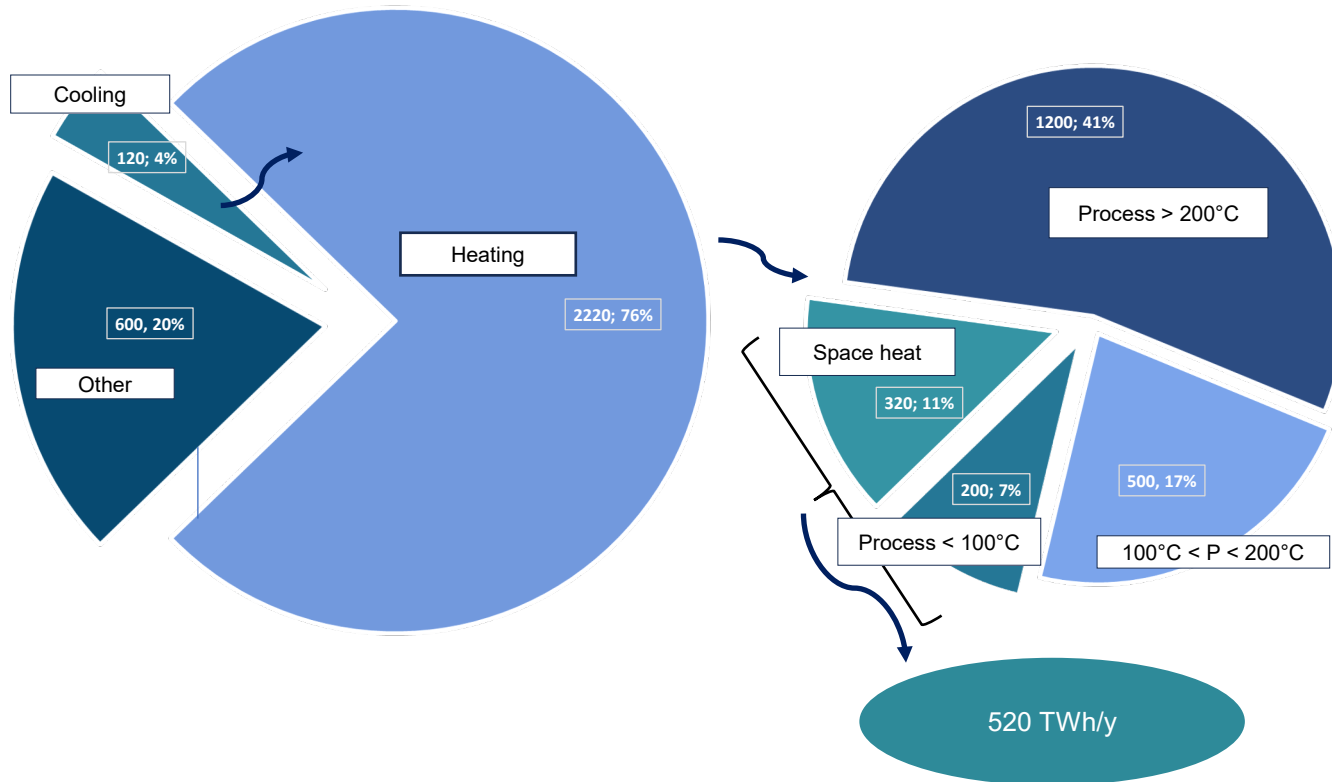


How does business and environment compile?

District heating



Industrial energy consumption and heating

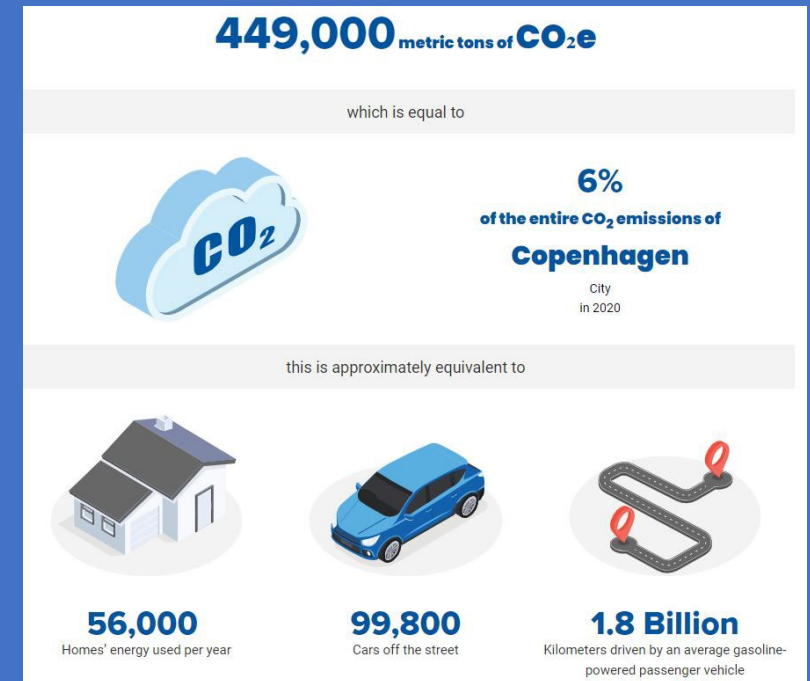


Fenagy business opportunity DH

- District heating in EU is 400 TWh/y
- 100 MW capacity installed = 25.000 house holds
- Heating capacity 400.000 MWh/y = 0,4 TWh/y (0,1%)

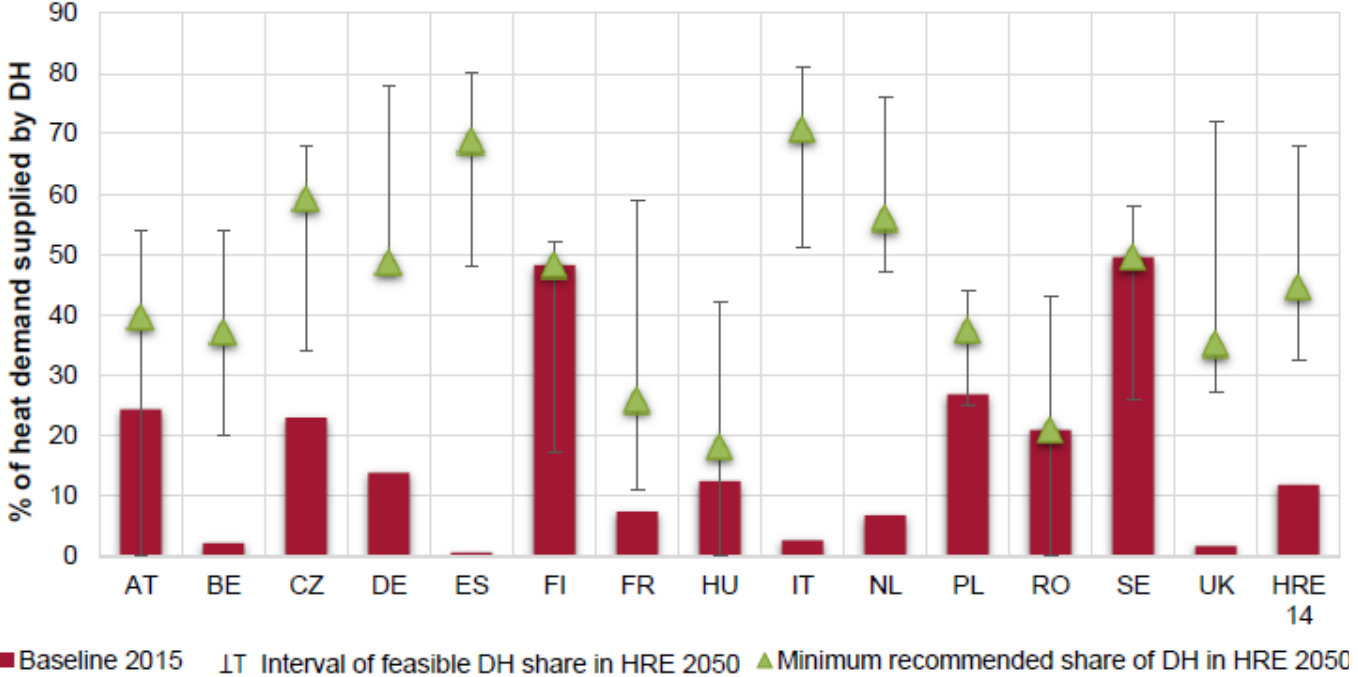
Fenagy business opportunity Industrial

- Industrial heating in EU is 520 TWh/y



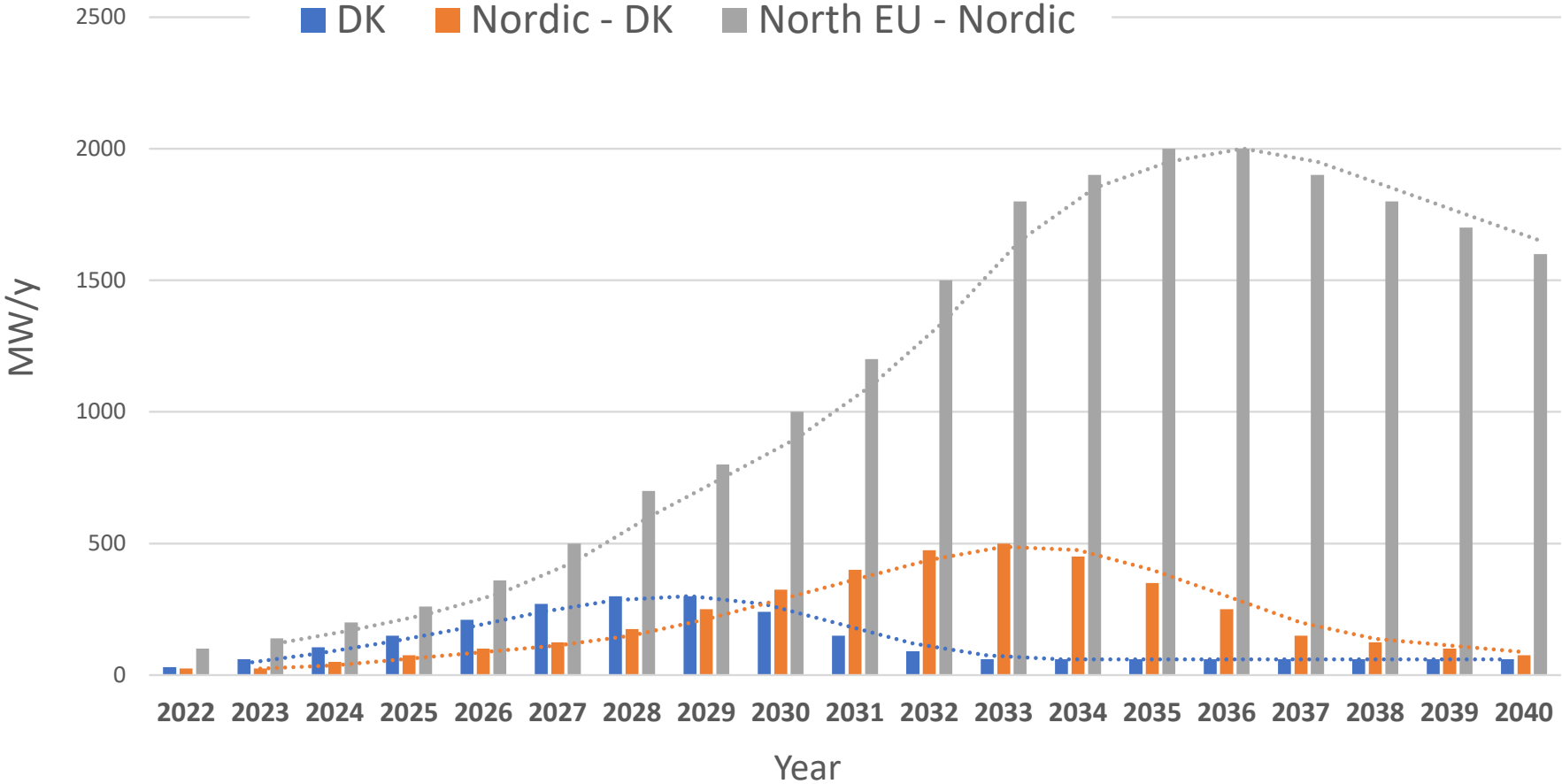
Source: Strengthening Industrial Heat Pump Innovation, Sintef, 2020

Status district heating



Source: Heat Roadmap Europe 4 – publication date 2018
 (Aalborg University Denmark, supported by EU HORIZON program)

Market size and development (industrial HP's in DH networks)



- 2 GW/y (2024-2040)
- Delay for Europe
- Starting in DK
- Nordics
- UK
- NL/BEL
- EU

Applications for industrial heat pumps



District heating (natural heat source, sewage/ wastewater or industrial waste heat)

Heat pumps for the future heating systems

Decarbonize and reduce CO₂ emissions

= No fossil fuels

Market size: 2 B€a
Customer ROI: 7-10 y



Energy sector (PtX, biogas, CCS/U, geothermal)

Sector coupling

Balance og electrical grid

= Efficiency of energy

Market size: 0,5 B€a
Customer ROI: 3-5 y



Industrial processes (cooling/ heating, food, textile, chemical, pharma etc)

Combined heat and cooling

Reuse waste heat and waste cooling

= No waste, CO₂-footprint

Market size: 1 B€a
Customer ROI: -



HVAC/ logistic sector

Electrification of the industry

No oil or gas

= Save money, no risk

Market size: 0,5 B€a
Customer ROI: 5-7 y

Fenagy – a solution provider

An example within district heating

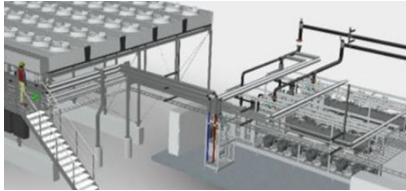
Hot water storage

Evaporators

Controls



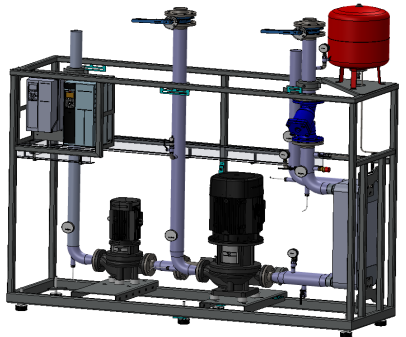
Machine room



HP rack



Defrost and pumps



Fenagy – a solution provider

An example within combined heating and cooling



Evaporators

Pump station

Cooling demand

HP rack



Heat for the city



The most visionary heating and cooling systems in the world



H-RANGE

HEAT PUMP

District heating

CAPACITY: 600-3000 kW PU
SOURCE: AIR OR WATER

REFRIGERANT: CO₂
SINK: WATER



C-RANGE

CHILLER

Industrial

CAPACITY: 800-2600 kW PU
AIR COOLED GAS COOLER

REFRIGERANT: CO₂
HEAT RECOVERY



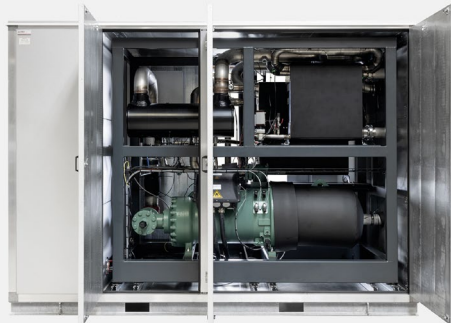
HC-RANGE

COMBINED HEAT & COOLING

Industrial

CAPACITY: 600-3000 kW PU
SOURCE: WATER AND AIR EVAPORATOR
SINK: WATER AND AIR GAS COOLER

SINK: WATER



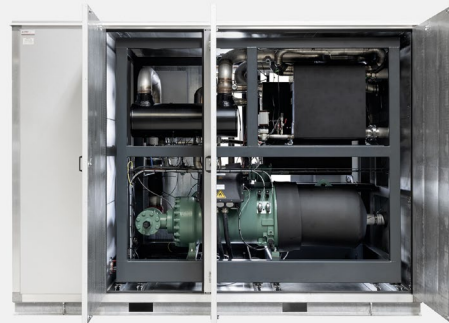
HCI-RANGE

HEAT PUMP

District heating

CAPACITY: 1000-3000 kW PU
SOURCE: WATER

REFRIGERANT: R600a
SINK: WATER



HCP-RANGE

HEAT PUMP & CHILLER

Industrial

CAPACITY: 1000-3000 kW PU
SOURCE: WATER

REFRIGERANT: R290
SINK: WATER

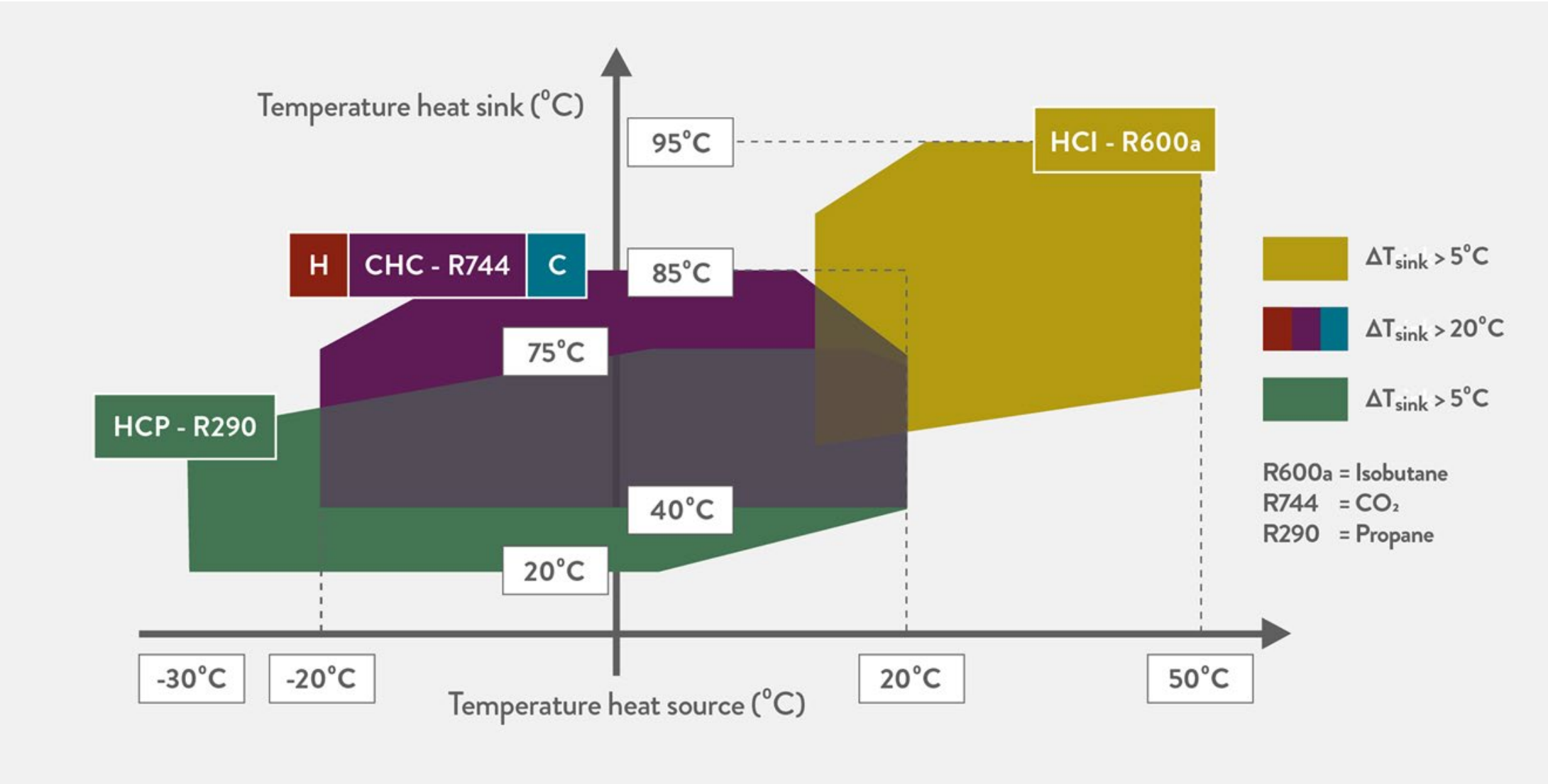


Design for long life and reuse when scraped

Reduce environment impact during operation

- 1) Use of natural refrigerants only
- 2) Energy efficiency
- 3) Customized, innovative and intelligent

The most visionary heating and cooling systems in the world



Future market for heat pumps

- ✓ Supported by subsidiaries and regulation
- ✓ Fast growing - Fenagy growth 150% YOY
- ✓ Early stage
- ✓ Limited competition
- ✓ Fast developing with new technologies
- ✓ Services around the product



Summary

Manufacturer of heat pumps and refrigeration systems

- ✓ 3000 m² office and production in Lystrup (Aarhus, Denmark)
- ✓ 40 projects installed and getting close to 100 HP's
- ✓ 80 heat pumps (2020:1/2021:13/2022:28/2023:38)
- ✓ We do – Refrigeration | Heat Pumps | CHC
- ✓ We focus on CO₂ and HC's as refrigerants
- ✓ Focused on Industrial HP's in the range 0,5 – 15 MW

Expanding footprint

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Heat pumps in three categories

Electrification of the heating systems in Europe

- Domestic / household 0 – 20 kW
- Commercial 20 – 300 kW
- Industrial 300 – 15.000 kW

Electrification of heating

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How does business and environment compile?

Industrial energy consumption

District heating 800 TWh/y

Fenagy business opportunity

- In comparison district heating in EU is 400 TWh/y
- District heating is dominant in DK
- 100 MW capacity installed = 25.000 house holds
- Heating capacity 400.000 MWh/y = 0.4 TWh/y (0.1%)
- Mitigating indirect impact of 22.000 tCO₂/y (fossil free heat)
- = 0.06% of the Danish emissions
- BUT
- = 1-2% in 3 years

Huge market potential

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Fenagy – a solution provider

An example within combined heating and cooling

- Cooling demand
- HP rack
- Heat for the city
- Evaporators
- Pump station

Solution provider

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The most visionary heating and cooling systems in the world

CO₂-based heating and cooling systems

Design for long life and reuse when scrapped

Reduce environment impact during operation

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Future market for heat pumps

- ✓ Supported by subsidiaries and regulation
- ✓ Fast growing - Fenagy growth 150% YOY
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- ✓ Services around the product

Looking back

Looking ahead

The future is bright

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Financial targets

Demonstrating our commitment



Joel Davidsson
CFO

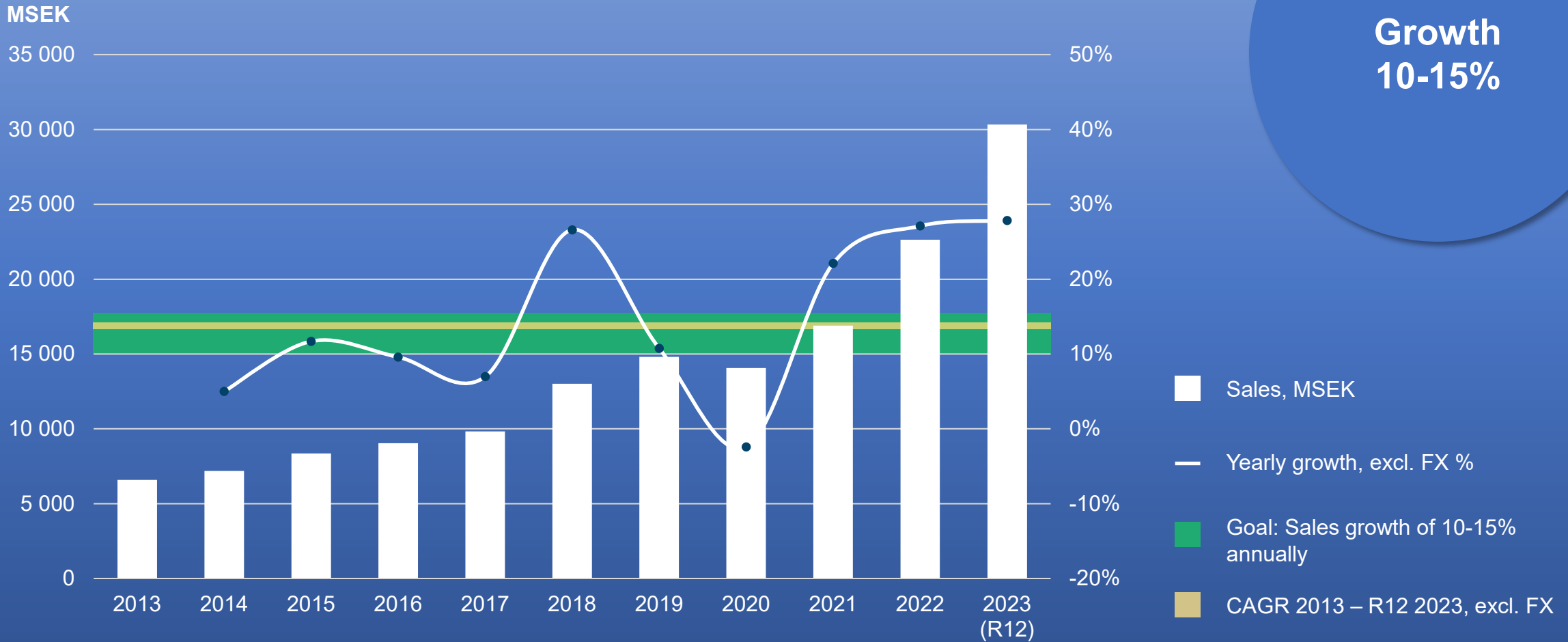
Master of Science in Economics and Business Administration, with a major in Finance. Previously served as Group CFO of Rosti Group, Head of Group Finance and Investor Relations (Alfa Laval), CFO roles within Entrance Systems (Assa Abloy), Head of Group Business Control (BE Group).

Redefining success with updated financial targets for the next 5 years

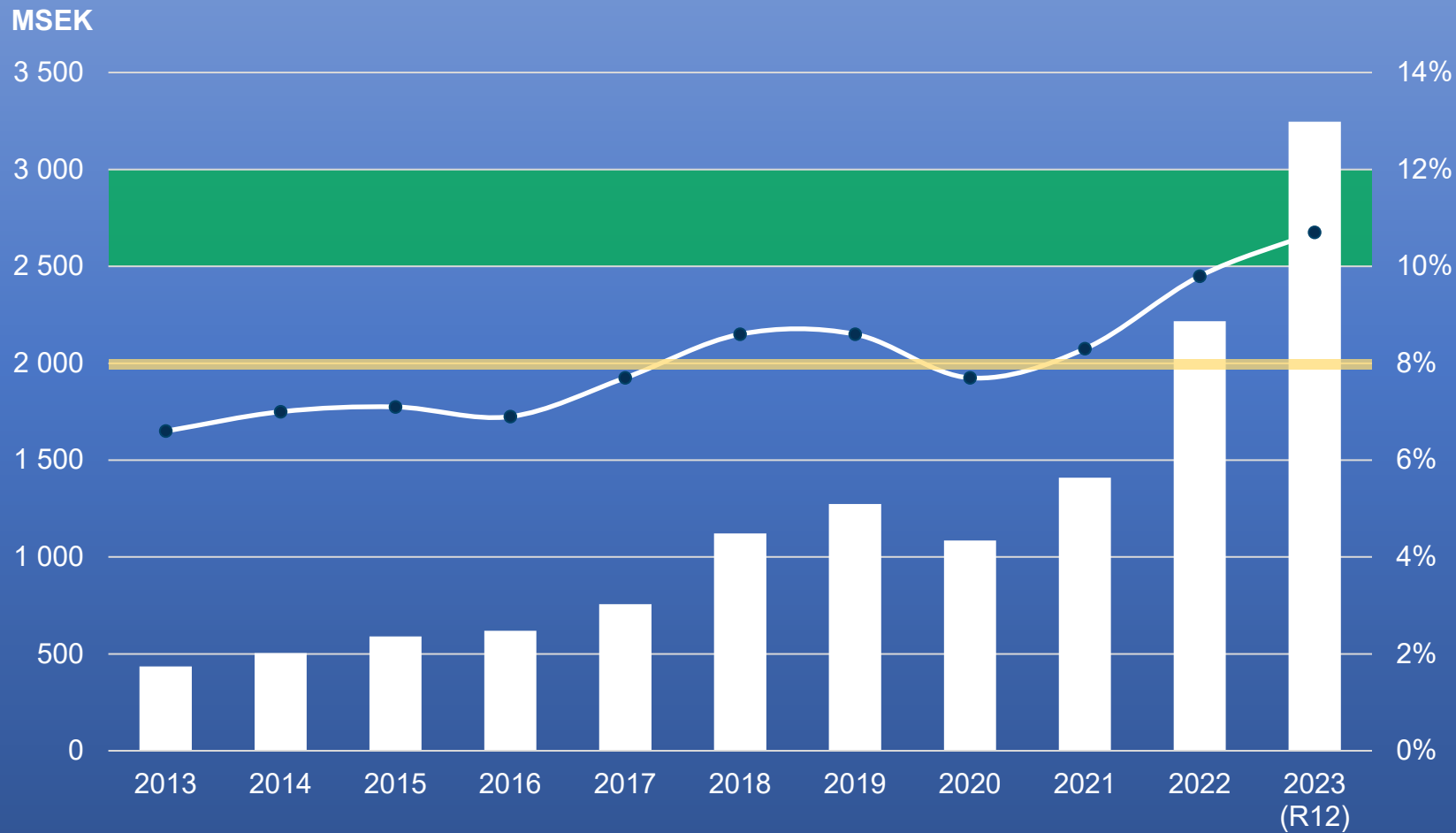


*R12 EBITA excluding items comparability in relation to average operating capital over the last four quarters

Continued focus on growth with the ambition to double the company within the next 5-7 years



Deliver an EBITA margin in the range of 10 - 12%

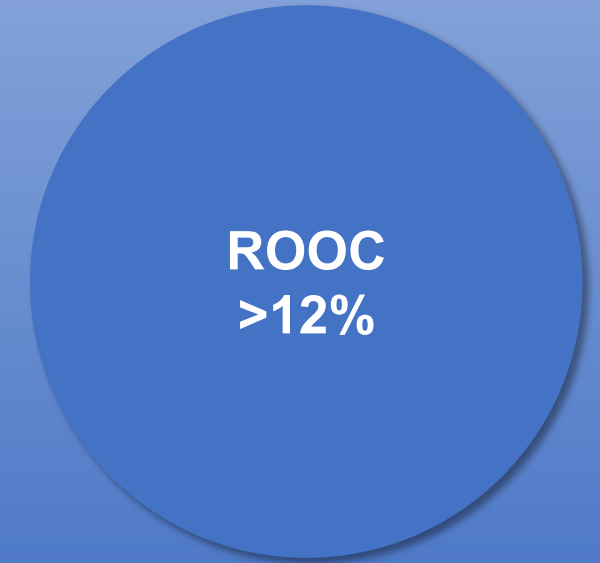
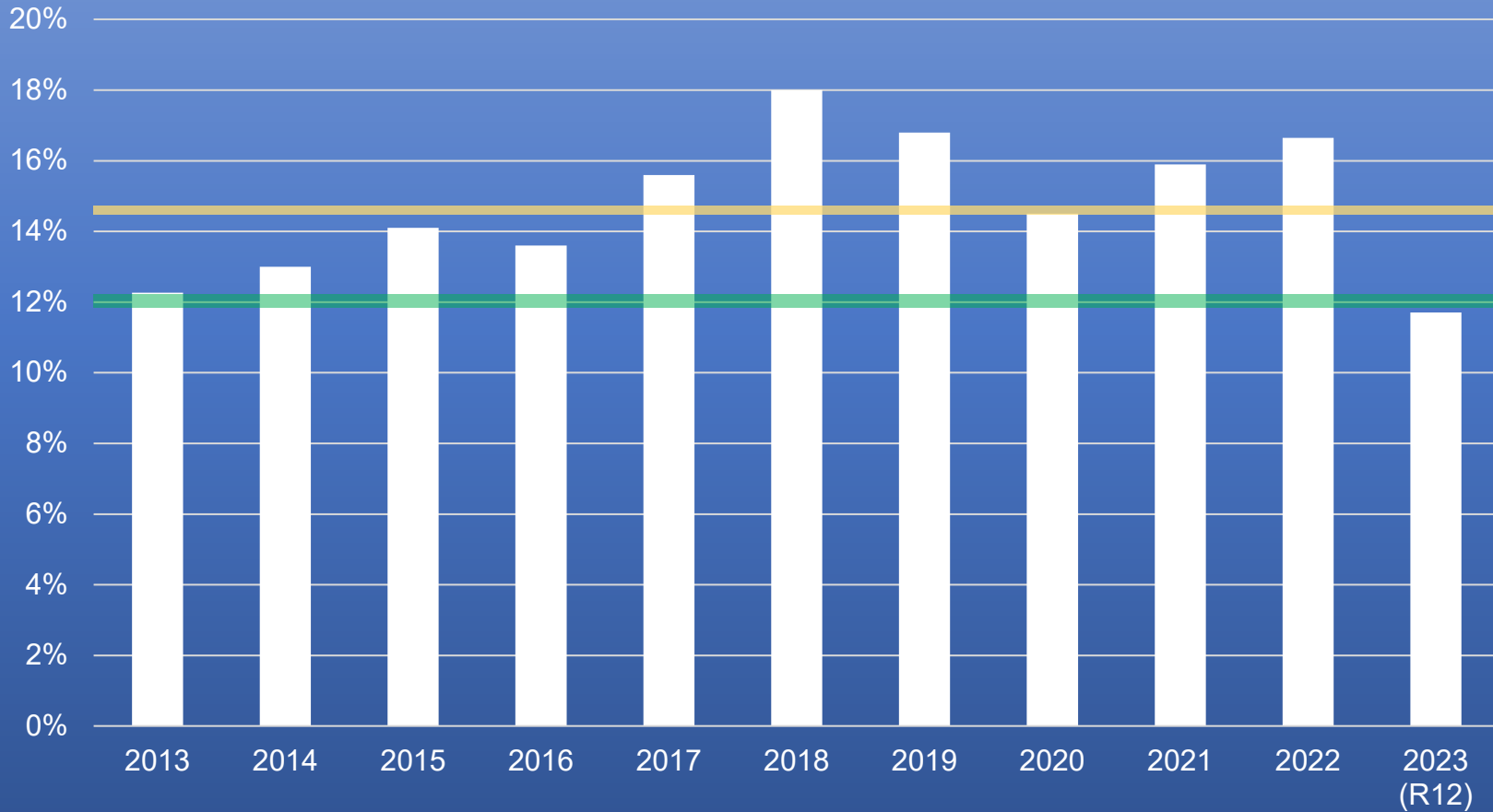


*EBITA excluding items affecting comparability

**EBITA margin
10-12%**

- EBITA*, MSEK
- EBITA* margin, %
- Goal: EBITA* margin of 10-12%
- Average 2013 – R12 2023

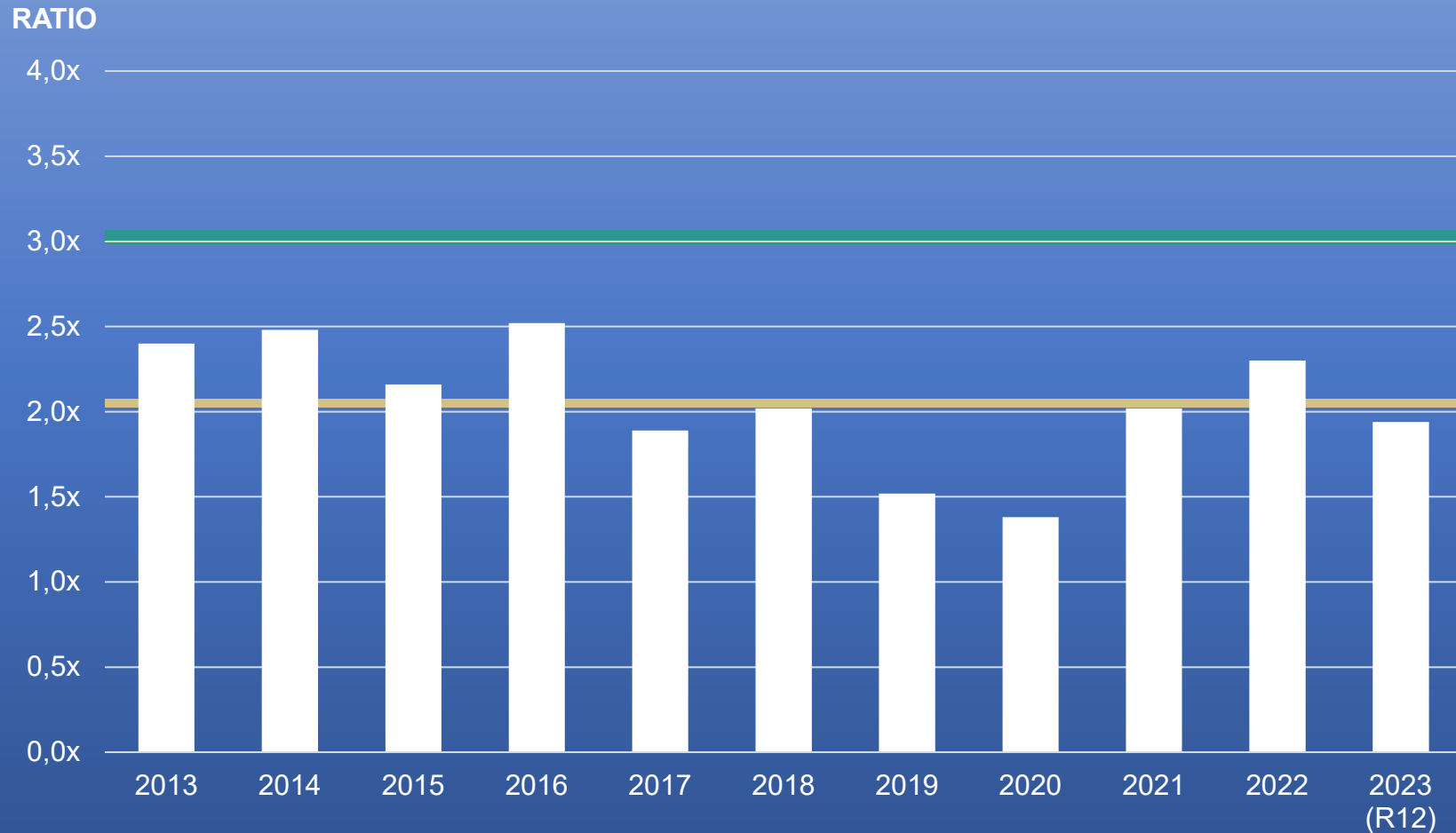
Generating a Return on Operating Capital above 12%



- Return on Operating Capital (ROOC*), %
- Goal: Return on Operating Capital (ROOC*) shall amount to at least 12%
- Average 2013 – R12 2023

**R12 EBITA excluding items comparability in relation to average operating capital over the last four quarters*

Continue to utilize our strong balance sheet managing leverage not to exceed 3.0x over time



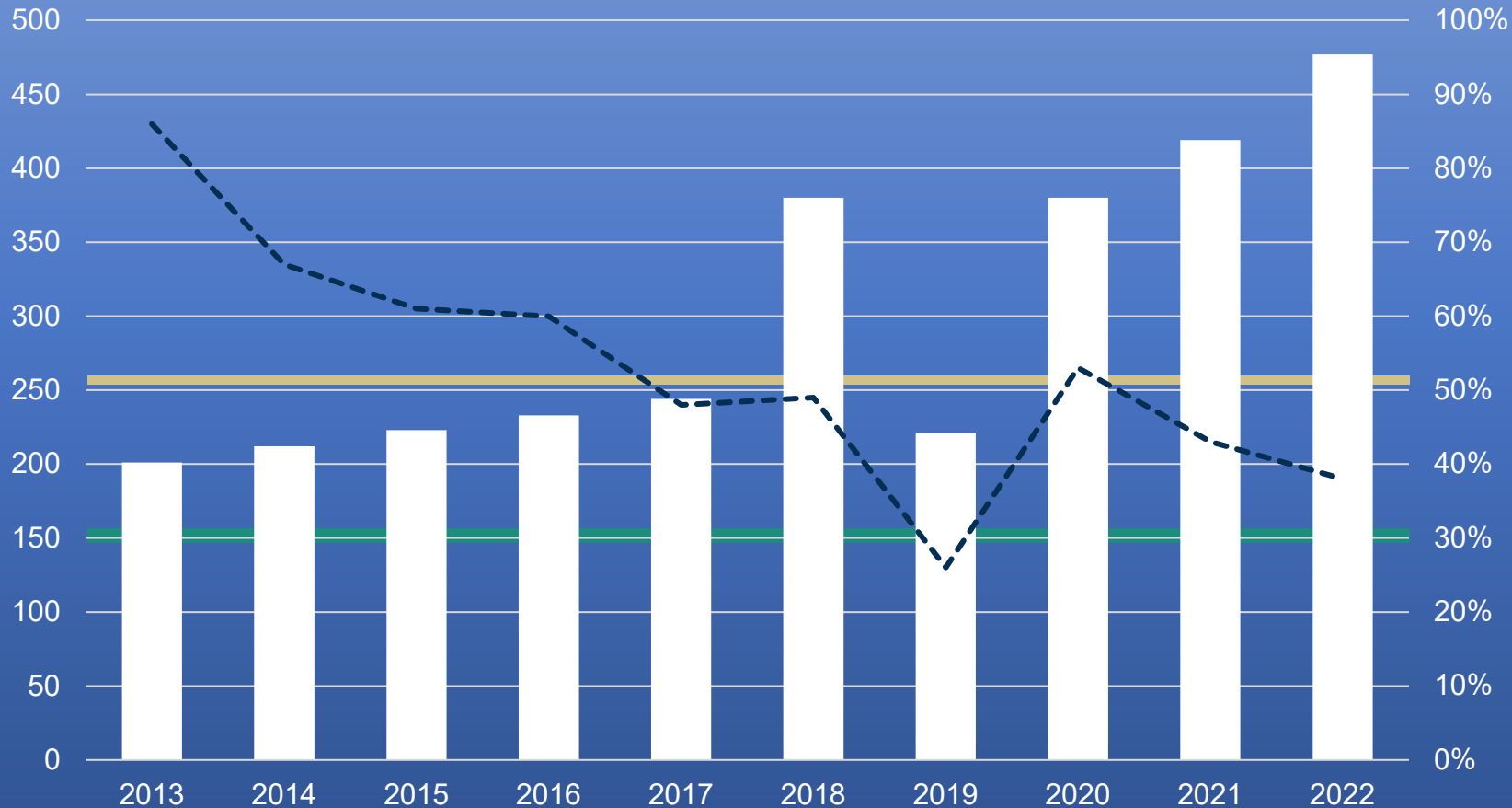
**Net debt
Not exceed
3.0x**

- Net debt / EBITDA*
- Goal: Net debt shall not exceed 3 x EBITDA over time, excluding the impact of IFRS 16 and pension debt
- Average 2013 – R12 2023

**Net debt in relation to EBITDA excluding items affecting comparability, leasing and pensions for previous 12-month period.*

Continue to aim to distribute at least 30% of net profit after tax

Dividend growth: CAGR 2013 – 2022 of 10%

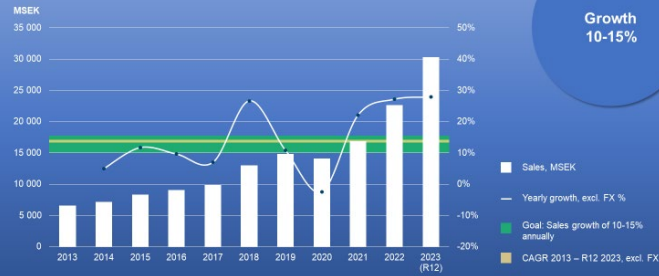


**Dividend
at least 30%**

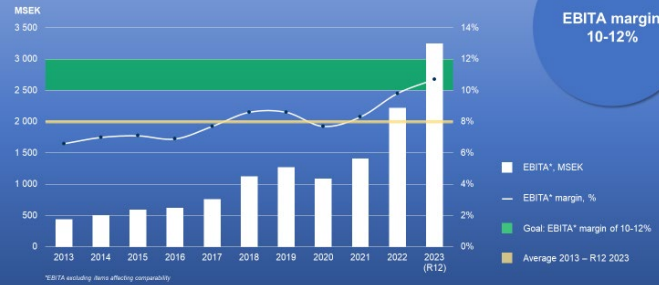
- Dividend for the year
- Goal: Aim to distribute at least 30% of net profit after tax
- Average dividend payout ratio 2013 – 2022
- Dividend as % of net profit after tax

Summary

Continued focus on growth with the ambition to double the company within the next 5-7 years



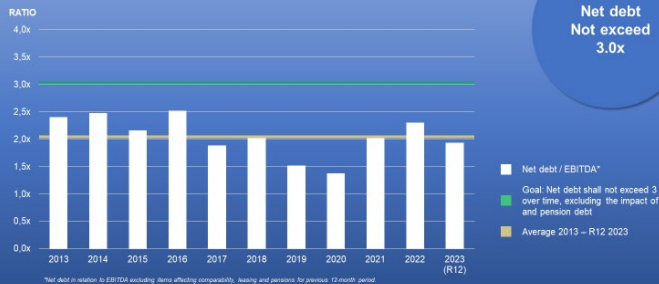
Deliver an EBITA margin in the range of 10 - 12%



Generating a Return on Operating Capital above 12%



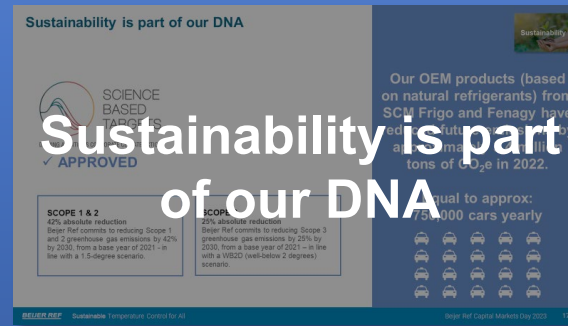
Continue to utilize our strong balance sheet managing leverage not to exceed 3.0x over time



Continue to aim to distribute at least 30% of net profit after tax



Beijer Ref – a business model that stands the test of time



Q&A