



# FY 2024 results

13<sup>th</sup> March 2025

# Executive Summary – FY 2024

## EBITDA and Net Debt Improvement Amid Soft Markets

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### Economics

- In FY2024, sales decreased by 4.6%, at FX constant -4.4% (-3.8% volume and mix, -0.6% price)
- Excluding HP, 2024 sales grew by 2.5%
- EBITDA increased by 4.7% to € 82.5 M i.e. 14.0% of sales + 120 bps
- Order book at € 174.2 M, +11.5% vs December 2023

### Financials

- Leverage at 1.18x EBITDA adj LTM
- NFP improved by € 28.8 M from December 2023
- Strong improvement in net financial charges (-65%)
- LTM net cash generation adjusted equal to € 56.4 M (9.6% of sales)

### Strategy

- Focus on operating improvements through automatization, process review and cost controls
- Organization changes to improve effectiveness
- Growth Capex in China and USA for datacenter and industrial cooling

# FY2024 Financial Highlights

## Further EBITDA and NFD improvement



€ millions	Q4 2023	Q4 2024	2022 FY	2023 FY	FY 2024
<b>Sales</b>	<b>152,8</b>	<b>150,7</b>	<b>618,6</b>	<b>617,3</b>	<b>589,1</b>
Growth %	1,2%	-1,4%	25,7%	-0,2%	-4,6%
<b>EBITDA adjusted</b>	<b>17,6</b>	<b>18,4</b>	<b>78,8</b>	<b>80,1</b>	<b>82,5</b>
EBITDA %	11,5%	12,2%	12,7%	13,0%	14,0%
Net income adjusted <sup>(1)</sup>	8,6	10,8	38,6	40,7	41,3
% of sales			6,2%	6,6%	7,0%
Net financial debt			142,3	126,3	97,5
NFD / EBITDA LTM			1,8x	1,6x	1,2x
Net cash generation adj.			37,1	45,1	56,4
% of sales			6,0%	7,3%	9,6%

- In FY2024, total sales decreased by 4.6% YoY due to HP drop and overall soft end user's markets. Excluding HP sales of products increased by 2.5%
- Excluding HP - in Q4-24 - sales of products increased by 2.3%
- In Q4-24 EBITDA margin confirmed an improvement of 73 bps (+ 30 bps in FY2023)
- Net income adjusted in FY2024 at € 41.3 M vs € 40.7 in FY2023 despite increase of tax rate (from 13.8% to 22.3%)
- Leverage (NFD/EBITDA) at 1.2x vs 1.6x in December 2023
- In FY2024 net cash generation from operations equal to € 62.2 M (10.6 % of sales) vs € 71.2 M (11.5% of sales) in FY2023.

(1) Net income adjusted considers NRI and the depreciation of "purchase price allocation" resulting from M&A transactions concluded in past years

# FY2024 – Revenues Breakdown

## Amid volatile markets, benefits from diversification

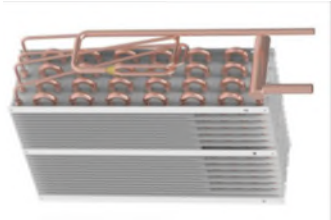


Products € 000	2023	%	2024	%	Δ %
Heat Exchangers	305,0	49,4%	269,8	45,8%	-11,5%
Air Cooled Equipment	285,2	46,2%	296,0	50,2%	3,8%
Glass Doors	16,6	2,7%	15,2	2,6%	-8,6%
<b>Total sales of products</b>	<b>606,8</b>	<b>98,3%</b>	<b>581,0</b>	<b>98,6%</b>	<b>-4,3%</b>
Other revenues	10,4	1,7%	8,1	1,4%	-22,3%
<b>Total sales</b>	<b>617,3</b>	<b>100,0%</b>	<b>589,1</b>	<b>100,0%</b>	<b>-4,6%</b>

Applications € 000	2023	%	2024	%	Δ %
Refrigeration	285,5	46,2%	298,8	50,7%	4,7%
Air Conditioning	171,8	27,8%	130,4	22,2%	-24,1%
Special Applications	78,8	12,8%	91,6	15,5%	16,3%
Industrial cooling	70,8	11,5%	60,2	10,2%	-15,0%
<b>Total sales of products</b>	<b>606,8</b>	<b>98,3%</b>	<b>581,0</b>	<b>98,6%</b>	<b>-4,3%</b>
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# Sales by application and market

## Benefit of Diversification of Applications



### SBU components: -11.4% in FY2024 (+2.3% in Q4)

- *Excluding HP sales increased by 1.1% in FY2024, and increased by 13.2% in Q4-24*
- *Demand recovery for commercial refrigeration (+12.5% in Q4-24), refrigerated transport and dryers*
- *Expected drop of sales in HP due to lack of clear direction in incentives schemes in EU countries, despite the “REPowerEU” plan*

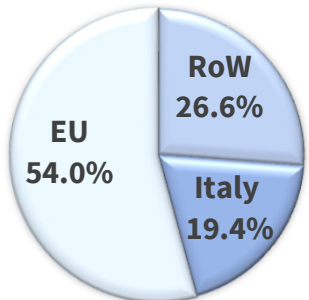


### SBU cooling systems +3.8% in FY2024 (-0.2% in Q4)

- *Demand led by products with low environmental impact and high energy efficiency*
- *Strong demand for data centers*

### By geography:

- *73.4% of sales in EU.*
- *USA and China represents 4.4% and 2.0% of products sales respectively*



### High customer diversification:

- *Largest customer : 4.1% of total sales*
- *Largest 10 customers: 28.9% of total sales*

# Actions Taken to Improve Margins

## *Actions taken*

- Global sourcing improvement
- Production lines automatization
- Streamline of industrial and commercial processes
- Reorganization (clusters)
- Blocking staff turnover
- Merger of the main Italian companies

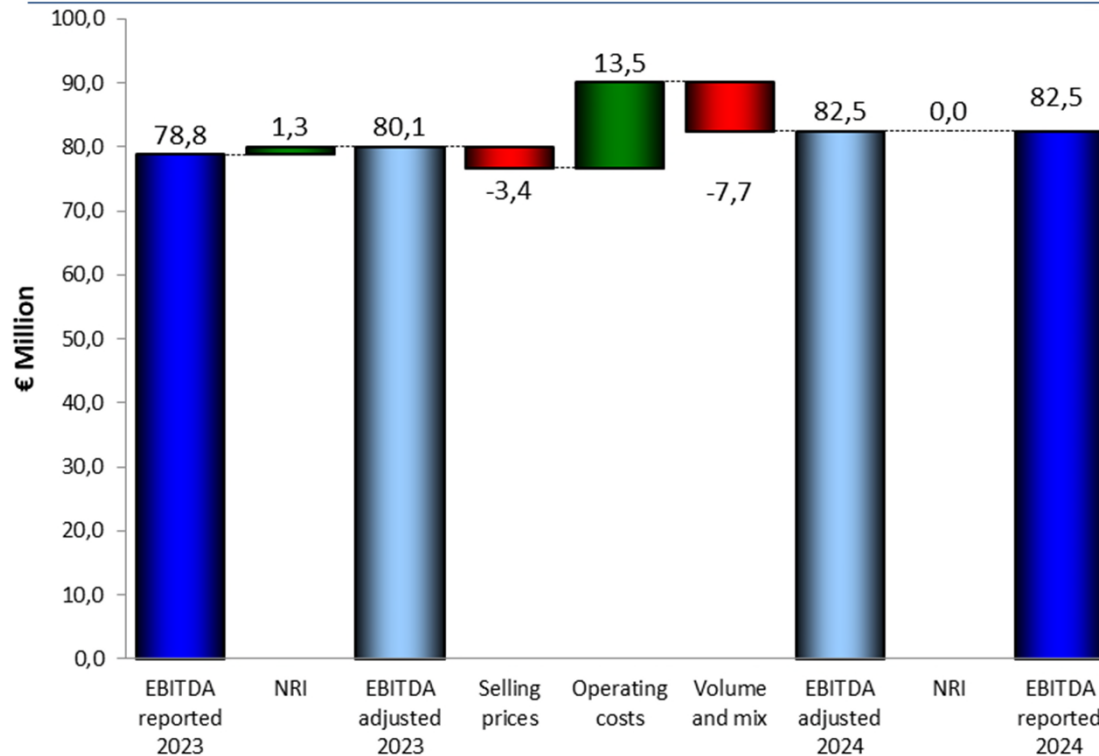
## *Result achieved*

- Operating cost saving: € 13.5 M (2.3% of sales)
- EBITDA margin: 14%
- Margin improvement: 120 bps

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# EBITDA Bridge Analysis FY2024 vs FY2023










- Record EBITDA in FY2024, despite strong growth of EBITDA in the last 3 years (+ 76%) and volatile markets
- Steady growth of EBITDA margin YoY quarter by quarter since H2 -23
- No NRI in FY2024. In FY2023 NRI due to start-up costs of the former ACC plant and contribution to Emilia Romagna flooded population

(1) Due to rounding, numbers presented throughout this chart may not add up precisely to the totals provided

(2) Source: management analysis of consolidated results as of 31/12/2024

# FY2024: From EBITDA to Group Net Income

## EBIT adjusted – Net Income Adjusted

	€ millions	2022	2023	2024	
	<b>EBITDA reported</b>	75,1	78,8	82,5	
	<i>D&amp;A</i>	32,7	32,4	31,8	 D&A decreased due to delayed capex
	<i>Gain (loss) of non current assets</i>	(0,3)	(0,0)	(0,2)	
	<b>EBIT</b>	42,1	46,4	50,6	
 In Q1-22 capital gain on Tecair divestiture	<i>Capital gain</i>	9,5			
	<i>Net financial income (loss)</i>	7,5	(10,1)	(3,5)	 FY2024 strong decrease of net financial charges)
	<b>EBT</b>	59,0	36,4	47,1	
	<i>Income taxes</i>	10,0	5,0	11,2	
	<i>Minorities</i>	(1,4)	(1,6)	(1,3)	
 Net income FY2024: impacted by increase of actual tax rate	<b>Group net profit</b>	<b>47,7</b>	<b>29,7</b>	<b>34,5</b>	
	<b>EBIT reported</b>	42,1	46,4	50,6	
	<i>Depreciation on PPA</i>	4,3	4,7	4,1	
	<i>NRI</i>	3,7	1,3	0,0	
	<b>EBIT adjusted</b>	<b>50,1</b>	<b>52,4</b>	<b>54,6</b>	 EBIT adjusted increase by 80 bps. Steady increase in the last 3 years
	<i>% of sales</i>	8,1%	8,5%	9,3%	
	<b>Net income reported</b>	49,1	31,4	35,8	
	<i>Depreciation on PPA net of tax</i>	3,4	3,7	3,1	
	<i>NRI net of tax</i>	3,0	0,9	1,6	
	<i>Gain on shareholding net of tax</i>	(9,3)	0,0	0,0	
	<i>Fair value of derivatives net of depr cost</i>	(7,5)	4,7	0,7	
 In 2024 P&L effect of call option on Refrion and nonrecurring tax items	<b>Net income adjusted</b>	<b>38,6</b>	<b>40,7</b>	<b>41,3</b>	 Net income adjusted FY2024: impacted by increase of actual tax rate
	<i>% of sales</i>	6,2%	6,6%	7,0%	

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- Source: management analysis of consolidated results as of 31/12/2024
- Adjusted net income and adjusted EBIT consider the depreciation of "purchase price allocation" resulting from M&A transactions concluded in past years.



# Impact of IFRS on Interest Costs

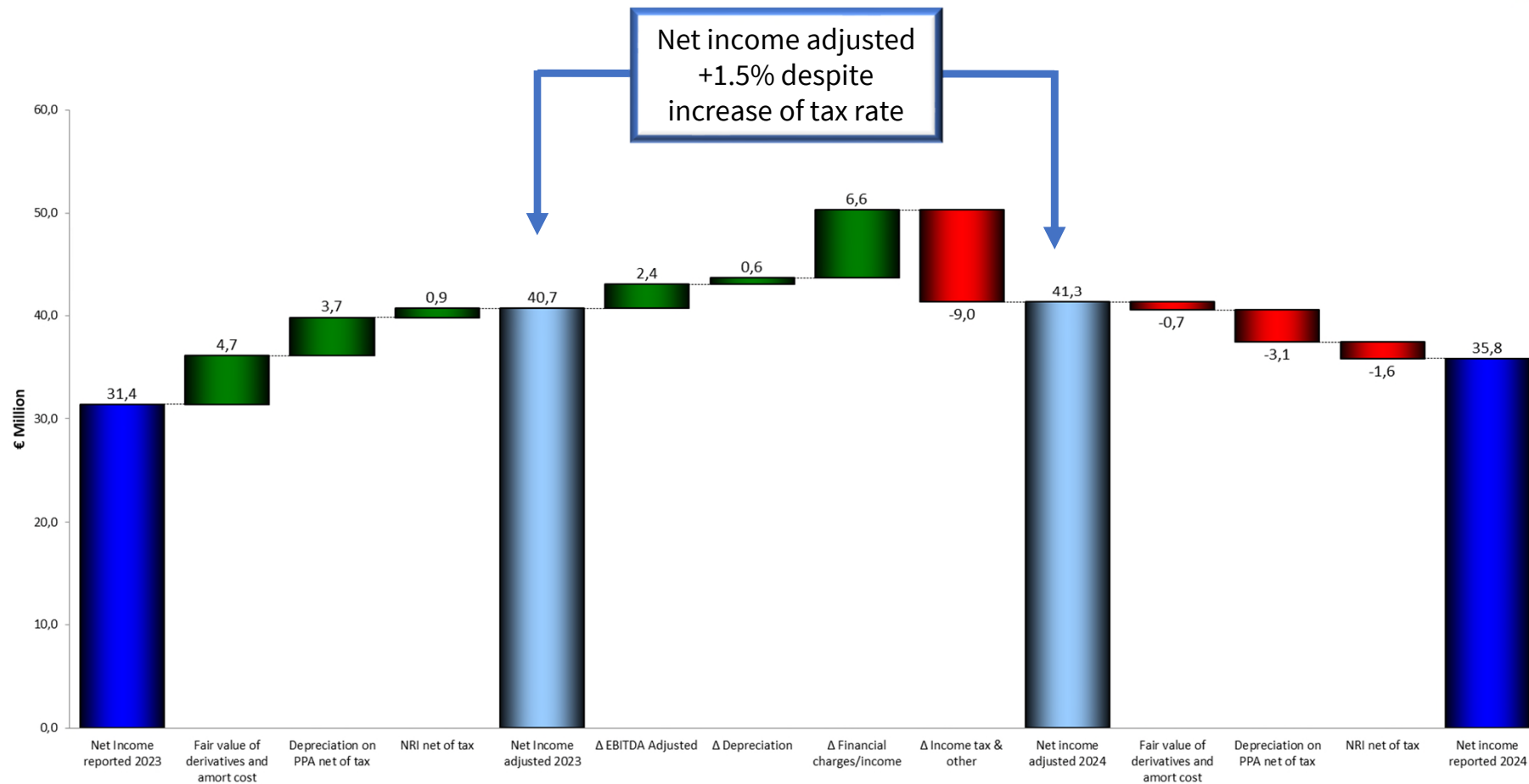


<i>€ millions</i>	<b>2022</b>	<b>2023</b>	<b>2024</b>
<i>Cash interest cost</i>	<i>(4,9)</i>	<i>(11,8)</i>	<i>(13,8)</i>
<i>Cash interest income</i>	<i>2,0</i>	<i>5,5</i>	<i>9,5</i>
<i>Net realized FX gain (cost)</i>	<i>(1,2)</i>	<i>2,0</i>	<i>(0,2)</i>
<b>Net cash financial costs</b> (A)	<b>(4,1)</b>	<b>(4,3)</b>	<b>(4,5)</b>
<i>Derivatives fair value</i>	<i>14,4</i>	<i>(7,7)</i>	<i>(5,1)</i>
<i>Amortization costs</i>	<i>(4,9)</i>	<i>1,5</i>	<i>4,1</i>
<i>Unrealized FX gain (loss)</i>	<i>2,0</i>	<i>0,4</i>	<i>2,9</i>
<b>IFRS related financial charges</b> (B)	<b>11,6</b>	<b>(5,8)</b>	<b>1,9</b>
NRI: call option Refrion (C)			<i>(0,9)</i>
<b>Reported net financial charges (cost)</b> (A+B+C)	<b>7,5</b>	<b>(10,1)</b>	<b>(3,5)</b>

- Net cash interest cost nearly flat thanks to strong increase of interest income.
- Excluding FX, net interest decreased by €2.0 M
- All financial debt are at medium term. Average duration 3.70 years (3.57 in 2023)
- All loans amortizing, no bullet
- 93.1% of loans covered by interest rate swaps (88.8% in 2023)

# Net income Bridge Analysis

## FY24 vs FY23: +14.2%

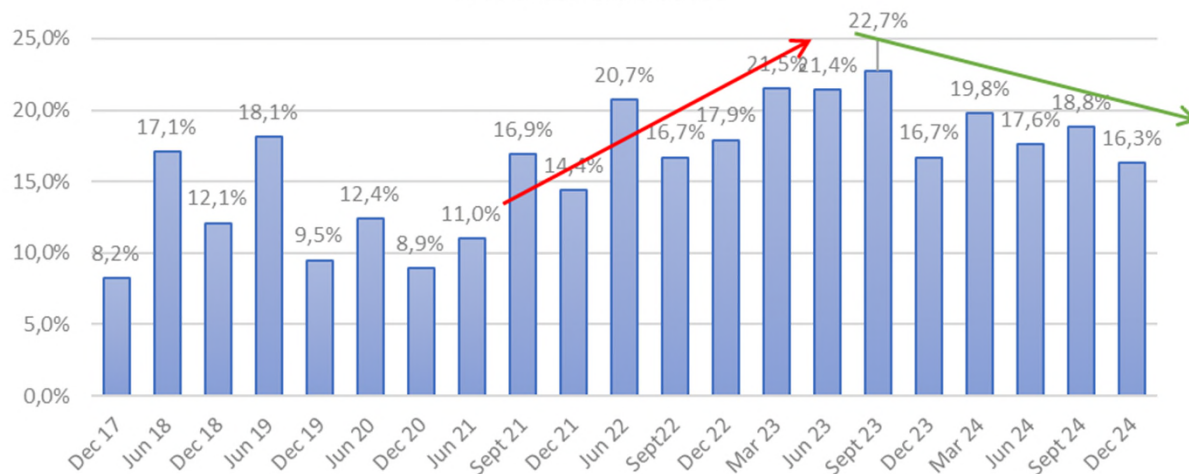


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- (2) Source: management analysis of consolidated results as of 31/12/2024

# TNWC back toward M/LT Guidance

€ Millions	31/12/2022	Days	31/12/2023	Days	31/12/2024	Days
Stock	134,2	78	110,8	65	101,1	62
A/receivable	83,3	48	87,8	51	103,0	63
Working capital	217,5		198,6		204,0	
A/payable	106,6	88	95,7	90	108,3	108
Net working capital	110,9	65	103,0	60	95,7	59
% on net sales LTM	<b>17,9%</b>		<b>16,7%</b>		<b>16,3%</b>	

NWC on LTM sales



- Due to rounding, numbers presented throughout this chart may not add up precisely to the totals provided
- Source: management analysis of consolidated results as of 31/12/2024.

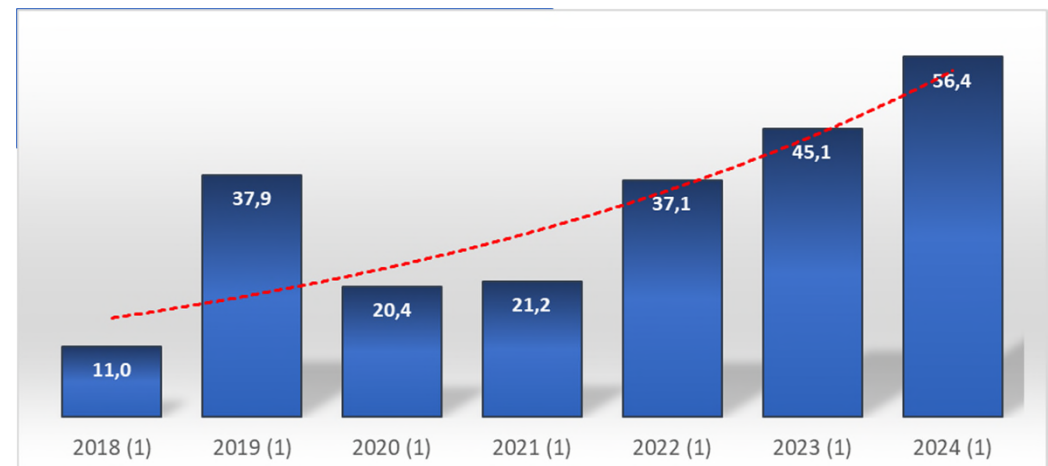
# Net cash generation adjusted

## FY2024: € 56.4 M



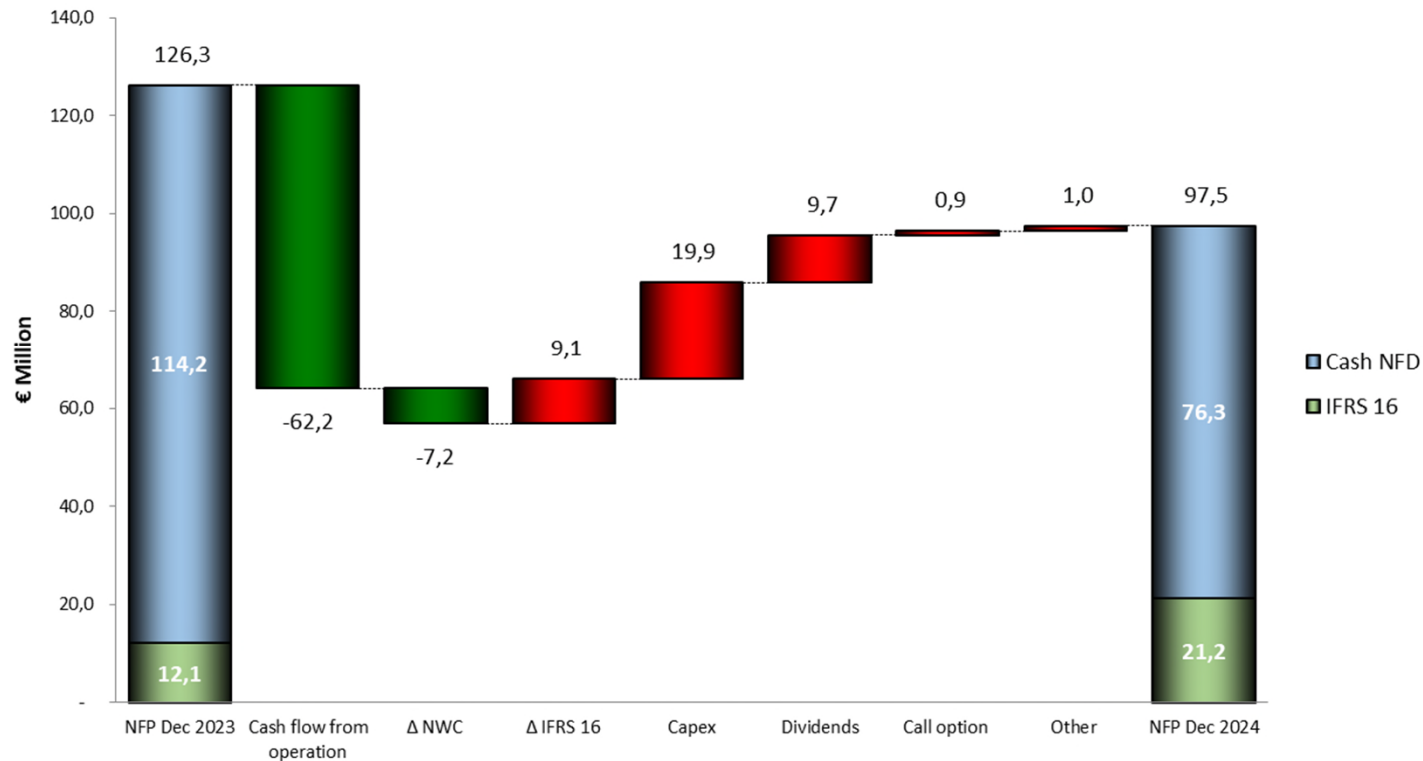
Net cash / (net debt)	€ m
Net financial position as of December 2023	(126,3)
Net financial position as of December 2024	(97,5)
Delta in net financial position	28,8
+ Dividends paid in 2024	9,7
+ Accelerated capex program	7,9
+ M&A net	0,0
+ Delta in safety stock	0,0
+ Change of IFRS 16 impact	9,1
Non recurring items	0,9
<b>= Total normalized net cash flow</b>	<b>56,4</b>

- Accelerated capex program above maintenance level
- In 2022 and 2023 temporary working capital increase due to higher safety stock of raw materials
- Normalization of TNWC already started in 2023
- Extraordinary level in LTM up to December 2019 due to working capital reduction



- Due to rounding, numbers presented throughout this chart may not add up precisely to the totals provided
- Source: management analysis of consolidated results as of 30/9/2024

# Balance Sheet and Capital Allocation



- In FY2024 cash flow from operations at 10.6% of sales (11.5% in FY2023)
- LTM net cash generation adjusted equal to €56.4 M
- Cash debt (excluding IFRS 16) reduced by € 37.9 M

• Due to rounding, numbers presented throughout this chart may not add up precisely to the totals provided  
 • Source: management analysis of consolidated results as of 30/6/2024

# Future Developments and Closing Remarks

## Strategy

- Focus on Datacenter and Industrial Projects
- Focus on automation, process optimization and cost reduction
- Focus on supply chain optimization
- Further product range rationalization
- Second stage of plant expansion in China completed, US in progress
- New capex review according to markets developments

## Markets

- M/L Term growth sustained by secular trends
- Since Q3 23 soft markets in heat pumps (potential recovery from H2-2025)
- Nuclear applications in progress: sales impact will start in H2-2025.

## M&A

- Business integration of Refrion completed
- Continuous search of M&A opportunities with strong strategic rationale

## Financials

- Focus on costs efficiency and margin expansion
- Focus on deleverage and further increase of debt average duration
- Focus on net cash generation

# Annexes



# Income Statement as of 31/12/2024



Consolidated Profit & Loss Reclassified (000 Euro)	2021	%	2022	%	2023	%	2024	Delta %	Delta %
<b>Sales and operating income</b>	<b>492.008</b>	100,0%	<b>618.612</b>	100,0%	<b>617.257</b>	100,0%	<b>589.088</b>	100,0%	<b>-4,6%</b>
Purchases of materials	(309.733)	-63,0%	(353.637)	-57,2%	(302.368)	-49,0%	(283.969)	-48,2%	
Inventory increase (decrease)	51.931	10,6%	20.450	3,3%	(21.440)	-3,5%	(9.852)	-1,7%	
Services	(63.148)	-12,8%	(81.811)	-13,2%	(80.654)	-13,1%	(75.542)	-12,8%	
Labour cost	(106.683)	-21,7%	(125.552)	-20,3%	(129.413)	-21,0%	(132.532)	-22,5%	
Other operating costs	(3.534)	-0,7%	(2.927)	-0,5%	(4.543)	-0,7%	(4.674)	-0,8%	
<b>Total operating costs</b>	<b>(431.167)</b>	<b>-87,6%</b>	<b>(543.477)</b>	<b>-87,9%</b>	<b>(538.418)</b>	<b>-87,2%</b>	<b>(506.569)</b>	<b>-86,0%</b>	<b>-5,9%</b>
<b>EBITDA</b>	<b>60.841</b>	<b>12,4%</b>	<b>75.135</b>	<b>12,1%</b>	<b>78.839</b>	<b>12,8%</b>	<b>82.519</b>	<b>14,0%</b>	<b>4,7%</b>
Depreciation	(30.140)	-6,1%	(32.729)	-5,3%	(32.371)	-5,2%	(31.817)	-5,4%	
Gain (loss) of non current assets	(147)	0,0%	(310)	-0,1%	(41)	0,0%	(150)	0,0%	
<b>EBIT</b>	<b>30.554</b>	<b>6,2%</b>	<b>42.096</b>	<b>6,8%</b>	<b>46.427</b>	<b>7,5%</b>	<b>50.552</b>	<b>8,6%</b>	<b>8,9%</b>
Net financial charges	68	0,0%	7.467	1,2%	(10.057)	-1,6%	(3.486)	-0,6%	
Capital gain on shareholding			9.473	1,5%					
<b>EBT</b>	<b>30.622</b>	<b>6,2%</b>	<b>59.036</b>	<b>9,5%</b>	<b>36.370</b>	<b>5,9%</b>	<b>47.066</b>	<b>8,0%</b>	<b>29,4%</b>
Income taxes	(5.847)	-1,2%	(9.971)	-1,6%	(5.007)	-0,8%	(11.245)	-1,9%	
<b>Net income</b>	<b>24.775</b>	<b>5,0%</b>	<b>49.065</b>	<b>7,9%</b>	<b>31.363</b>	<b>5,1%</b>	<b>35.821</b>	<b>6,1%</b>	<b>14,2%</b>
Minority interest	1.036		1.351		1.618		1.324		
<b>Group net income</b>	<b>23.739</b>	<b>4,8%</b>	<b>47.714</b>	<b>7,7%</b>	<b>29.745</b>	<b>4,8%</b>	<b>34.497</b>	<b>5,9%</b>	<b>16,0%</b>



# Balance Sheet as of 31/12/2024



Consolidated Balance Sheet Reclassified (000 Euro)	31/12/2022	% net invested capital	31/12/2023	% net invested capital	31/12/2024	% net invested capital
Net intangible assets	98.474		92.863		88.080	
Net tangible assets	189.264		205.412		213.621	
Pre-paid taxes	6.992		11.039		11.227	
Financial assets	1.473		969		424	
<b>Non current assets (A)</b>	<b>296.203</b>	<b>83,7%</b>	<b>310.283</b>	<b>87,3%</b>	<b>313.352</b>	<b>88,8%</b>
Inventory	134.237		110.831		101.061	
A/receivable	83.265		87.790		102.961	
Other receivables and current assets	13.273		14.116		15.864	
<b>Current assets (B)</b>	<b>230.775</b>		<b>212.737</b>		<b>219.886</b>	
A/payable	106.587		95.659		108.291	
Other payable and current liabilities	40.913		46.577		46.874	
<b>Current liabilities (C)</b>	<b>147.500</b>		<b>142.236</b>		<b>155.165</b>	
<b>Working capital (D=B-C)</b>	<b>83.275</b>	<b>23,5%</b>	<b>70.501</b>	<b>19,8%</b>	<b>64.721</b>	<b>18,3%</b>
Personnel provisions	5.299		5.363		5.390	
Deferred taxes	14.955		14.109		13.698	
Risk provisions	5.492		5.735		6.012	
<b>Long term liabilities (E)</b>	<b>25.746</b>	<b>7,3%</b>	<b>25.207</b>	<b>7,1%</b>	<b>25.100</b>	<b>7,1%</b>
<b>Net invested capital (A+D-E)</b>	<b>353.732</b>	<b>100,0%</b>	<b>355.577</b>	<b>100,0%</b>	<b>352.973</b>	<b>100,0%</b>
Group net worth	206.748		223.677		249.434	
Minority interest	4.712		5.554		6.003	
<b>Total group net worth</b>	<b>211.460</b>	<b>59,8%</b>	<b>229.231</b>	<b>64,5%</b>	<b>255.437</b>	<b>72,4%</b>
M/L term net financial position	338.014		264.632		279.756	
Short term net financial position	(195.742)		(138.286)		(182.220)	
<b>Net financial position</b>	<b>142.272</b>	<b>40,2%</b>	<b>126.346</b>	<b>35,5%</b>	<b>97.536</b>	<b>27,6%</b>
<b>Net worth and net financial position</b>	<b>353.732</b>	<b>100,0%</b>	<b>355.577</b>	<b>100,0%</b>	<b>352.973</b>	<b>100,0%</b>

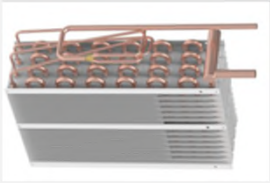



# Short company profile

 LU-VE

# Business Highlights



Business Unit	Products	% of Sales (1)	Applications	Type of Customer
Business Unit Components	Heat exchangers 	46%	<ul style="list-style-type: none"> <li>Refrigeration (food cold chain)</li> <li>Commercial air conditioning and ventilation</li> <li>Special applications (<i>whitegoods</i>, <i>"mobile applications"</i> etc.)</li> </ul>	OEM
	Glass doors for refrigerated display cabinets	3%	Refrigeration (food cold chain)	OEM
Business Unit Cooling Systems	Air-cooled equipment / Radiators 	51%	<ul style="list-style-type: none"> <li>Refrigeration (food cold chain)</li> <li>Commercial air conditioning and ventilation</li> <li>Industrial process cooling</li> <li>Power Generation</li> <li>Data centers</li> </ul>	Distributors / Installers / OEM / EPC / End users  Contractors / End users

(1) FY 2024 data on total sales of product

# Diversification to Avoid Cyclicity



- Diversified applications, segments and markets with **uncorrelated business cycles**
- Focus on markets with expected **high potential growth**
- Business growth sustained by **megatrends**



REFRIGERATION AND CONSERVATION OF FRESH AND PACKAGED FOOD AND FLOWERS



AIR CONDITIONING, HEAT PUMPS AND HOUSEHOLD APPLIANCES



TRANSPORTATION, TRAIN AND MOBILE AIR CONDITIONING AND REFRIGERATION



AIR CONDITIONING FOR DATA CENTERS



POWER GENERATION, OIL & GAS, STEEL-MAKING AND MINING



FRESH FOOD CONSERVATION AND PERISHABLE FOOD BLAST FREEZING



REFRIGERATION FOR COUNTERS AND DISPLAY CABINETS AND AIR CONDITIONING



GLASS DOORS, CLOSING SYSTEMS AND DIGITAL SIGNAGE SOLUTIONS

# Seculars Trends Increase the Addressable Market



Cold chain and refrigeration



Urbanization & consumer habits



Electrification  
(heat pumps / district heating)



Global warming



Digitalization  
(data centers, IOT)



Regulations (F-gas etc.)



Food safety



Safety in supply chains



Decarbonization



Air treatment & ventilation



Industrial Cooling  
and Processes

# Secular Trends Increase total Addressable Market



Drivers and trends	What LUBE does
<p>Acceleration of the transition to “green capex” by major customers to:</p> <ul style="list-style-type: none"> <li>• Adopt refrigerants with low GWP</li> <li>• Reduce energy consumption and noise level</li> <li>• Comply with EU regulations and with similar regulations introduced in the USA, China, and other countries</li> </ul>	<ul style="list-style-type: none"> <li>• LUBE was a <b>first mover in green technologies</b> applied to heat exchangers</li> <li>• Currently, <math>\approx 53.5\%</math> of sales are already based on refrigerants with low GWP to stem climate change</li> <li>• New <b>Eurovent</b> certification for CO<sup>2</sup></li> <li>• ESG rating</li> </ul>
<ul style="list-style-type: none"> <li>• Electrification</li> <li>• Decarbonization</li> </ul>	<ul style="list-style-type: none"> <li>• Heat exchangers for <b>heat-pump</b> applications</li> <li>• Special application for <b>district heating</b></li> </ul>
<p>Acceleration of digitalization</p>	<ul style="list-style-type: none"> <li>• Focus on data center market</li> <li>• Application of IoT to all range of products</li> </ul>
<p>The increasing value of food security, pharma storage and e-commerce</p>	<p>Focus on mobile applications and logistic centers</p>
<p>Major attention to comfort and indoor air quality in public and private buildings</p>	<p>Special solutions for indoor air quality optimization</p>
<p>Reassess international supply chains</p>	<p>LUBE production footprint provides clients with resilient supply without sacrificing competitiveness</p>

# Track Record of Profitable Organic Growth and Acquisitions



\* LU-VE fondata nell'ottobre del 1985  
Metalluve assorbita da LU-VE nel 2016  
LU-VE Changshu sostituita da LU-VE Tianmen nel 2018  
Tecnairst ceduta nel 2022

# Strategy

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## Create sustainable competitive advantage through:

- Product focus and innovation
- Technology enhancements
- Production plants efficiency and flexibility
- First mover in "green tech"

## Reduce risk profile through:

- Widening product applications in uncorrelated sectors
- Increasing internationalization

## Geographical focus

- USA
- Asia
- Developing countries

## Disciplined M&A activity (industrial focus and valuation)



# LU-VE's Medium Term Value Creation Framework

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- High Single Digit growth in sales volume (organic)
- EBITDA margin toward 14/15% thanks to scale and efficiency capex
- NWC on sales: Mid Double Digit (net of extraordinary fluctuation)
- Growth capex: € 20/30 m p.a.
- Tax rate: 20-21%
- ESG targets in progress
- Capital allocation
  - NFD/EBITDA <2
  - Growth capex
  - Steady / smooth dividend policy
  - M&A: up to 3x leverage if required by strategic M&A (dry powder: € 70/80 m + target debt capacity)



# Pillars of a Sustainable Competitive Advantage



Sources	LU-VE business model
Technological Advantage	<ul style="list-style-type: none"> <li>• Patent and tech innovation</li> <li>• Leadership in R&amp;D: laboratories / CFD / nanotechnologies / IOT</li> </ul>
Cost advantage	<ul style="list-style-type: none"> <li>• Market leadership: ca. 50% <sup>(1)</sup> of sales are in market segments where Lu-Ve is market leader</li> <li>• Production plants in LCC: Poland, India, China, Russia and Czech Republic</li> <li>• The highest level of capex in the sector to increase productivity, automation, product quality</li> </ul>
Switching costs	<ul style="list-style-type: none"> <li>• Co-design with clients</li> <li>• Long term customer cooperation: customers with more than 5 years of business relationship represent 65/70% of total sales</li> <li>• Lu-Ve supplies performance critical components, but with limited cost incidence vs customers machineries/installations total costs</li> </ul>
Efficient scale	<ul style="list-style-type: none"> <li>• One of the 3 largest worldwide producers of air heat exchangers</li> <li>• Leader in Europe in heat exchanger</li> </ul>
Network effect	<ul style="list-style-type: none"> <li>• Lu-Ve customers benefit from Lu-Ve experience in thousand of applications fields of air heat exchangers, helping them to identify specific solutions for their refrigeration/cooling problems</li> </ul>

(1) Company's estimates



OVER 600 YEARS OF EXPERIENCE  
IN HEAT EXCHANGER TECHNOLOGY



# Organization: 20 Production Units



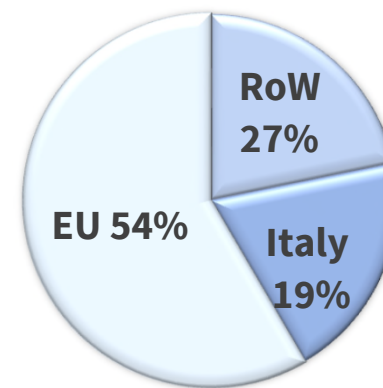
## PRODUCTION UNITS



## 34 SALES COMPANIES







- AUSTRIA – VIENNA
- BENELUX – BREDA-UCCLE
- CHINA – TIANMEN-CHANGZHOU
- CZECH REPUBLIC - NOVOSEDLY
- DENMARK - AARHUS
- FINLAND - VANTAA
- FRANCE - LYON
- GERMANY – STUTTGART
- INDIA – NEW DELHI/PUNE
- ITALIA
- NORWAY - OSLO
- POLAND – WARSAW/GLIWICE
- RUSSIA – MOSCOW / LIPETSK
- SOUTH KOREA -SEUL
- SPAIN – MADRID
- SWEDEN - ASARUM
- UK/EIRE – LONDON/FAREHAM HANTS
- THAILAND – BANGKOK
- VIETNAM – HCM CITY
- UAE – DUBAI
- USA – JACKSONVILLE

- Over 1.080.000 sqm. total surface area (300,000 sqm. covered)
- Over 3,605 sqm. of R&D Laboratories, and a large climatic chamber
- About 4000 employees
- LU-VE sells its products in more than 100 countries
- Diversified blue-chip customers



Breakdown of sales by geographical area (2024)

# Metal Price Impact on Profitability

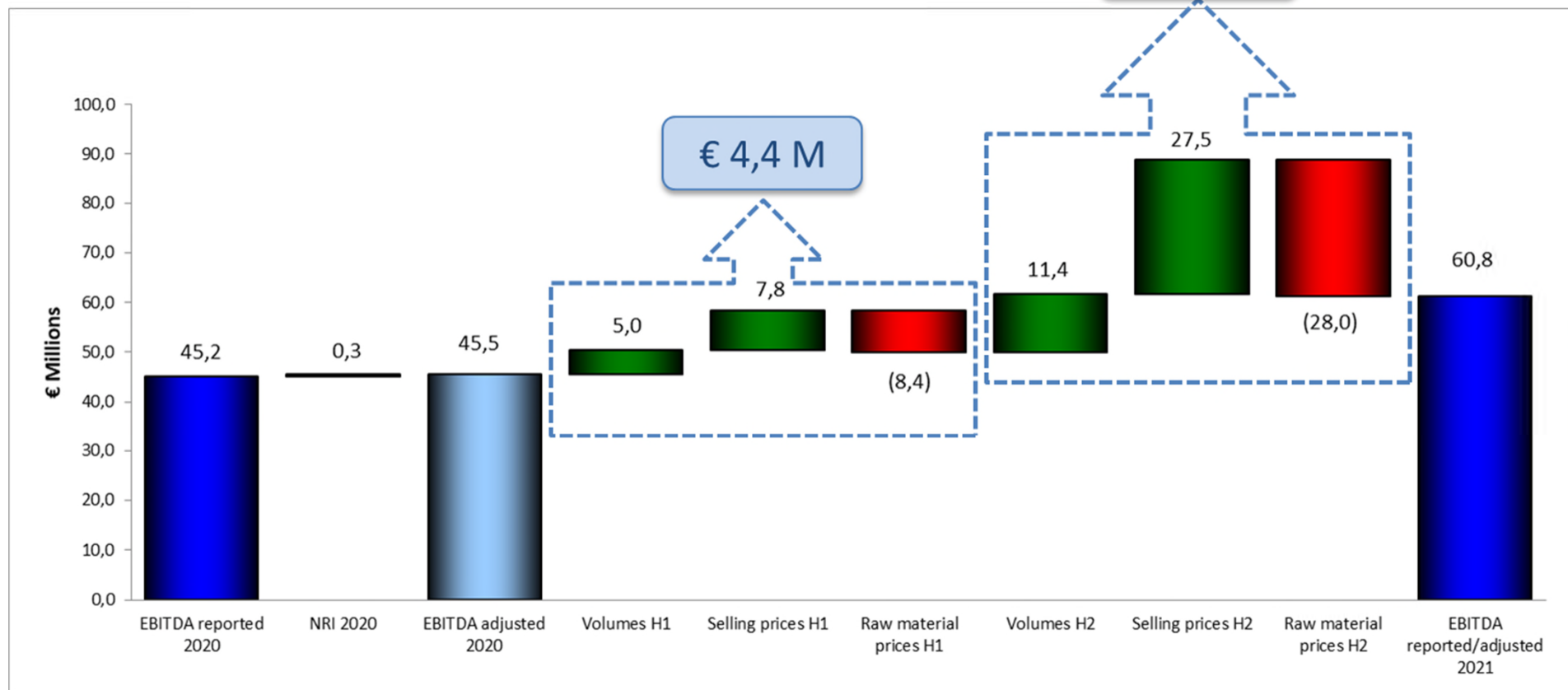
Sale contract	Main application	Metal influence on product price	Metal fluctuation management
Frame contracts	Mainly in the Components SBU	Mechanical price adjustment through formulas linked to the metal publicly available quotation  Impact 	<ul style="list-style-type: none"> <li>Price adjusted through formulas linked to metal publicly available quotation (average last quarter / half a year)</li> <li>Profitability protection through systematic physical hedging (short order-to-delivery cycle)</li> </ul> Impact 
Predetermined delivery date	Project driven orders (mainly cooling system SBU: industrial application, power gen etc.)	Technology and design are the main elements of the solution offered Lower impact by metal price  Impact 	<ul style="list-style-type: none"> <li>Pricing locked-in at order intake</li> <li>Profitability protection through systematic physical hedging (long order- to-delivery cycle)</li> </ul> Impact 
Standard products	Products sold by catalogs with zero or limited customization	Higher impact of metal prices  Impact 	<ul style="list-style-type: none"> <li>Pricing managed through price lists, thus leading to some delay</li> <li>Competitive pressure may impact on the delay of price adjustment</li> <li>Hedging based on forecasted volumes rather than orders</li> </ul> Impact 

(1) Impact: high  Low 

# The Pricing Power in 2021

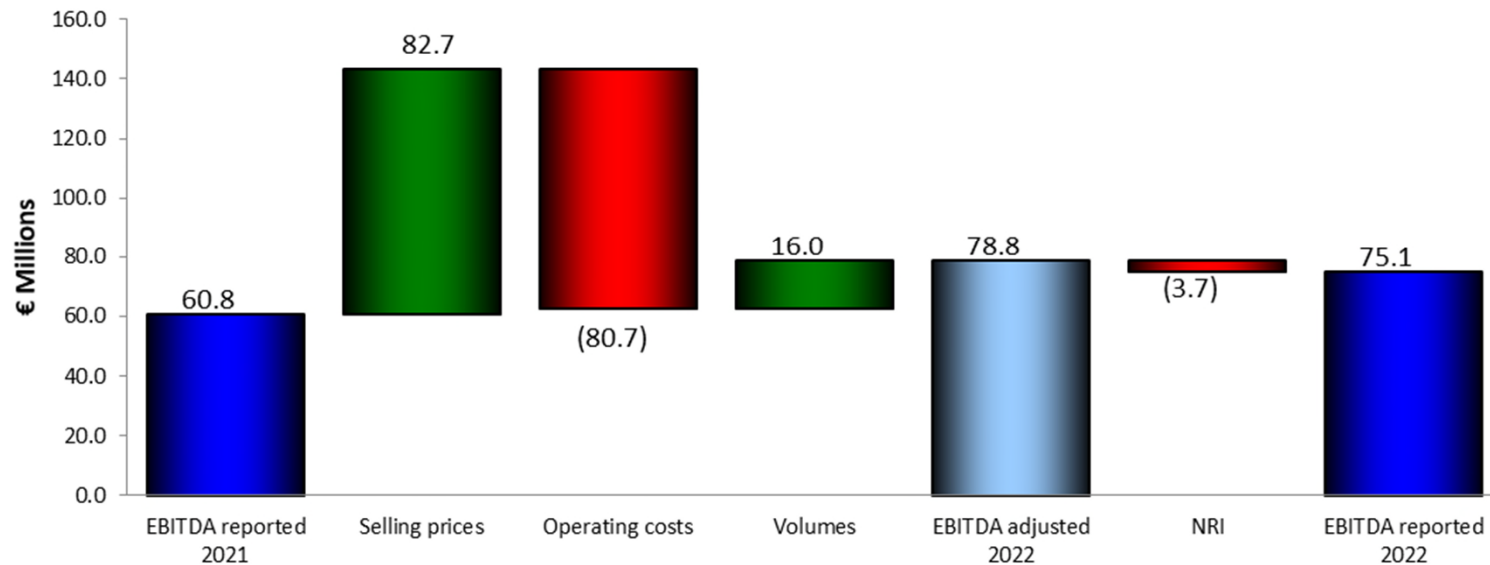


## H1 + H2 2021



# The Pricing Power in 2022

## EBITDA FY 2022 vs 2021 + 29.6%



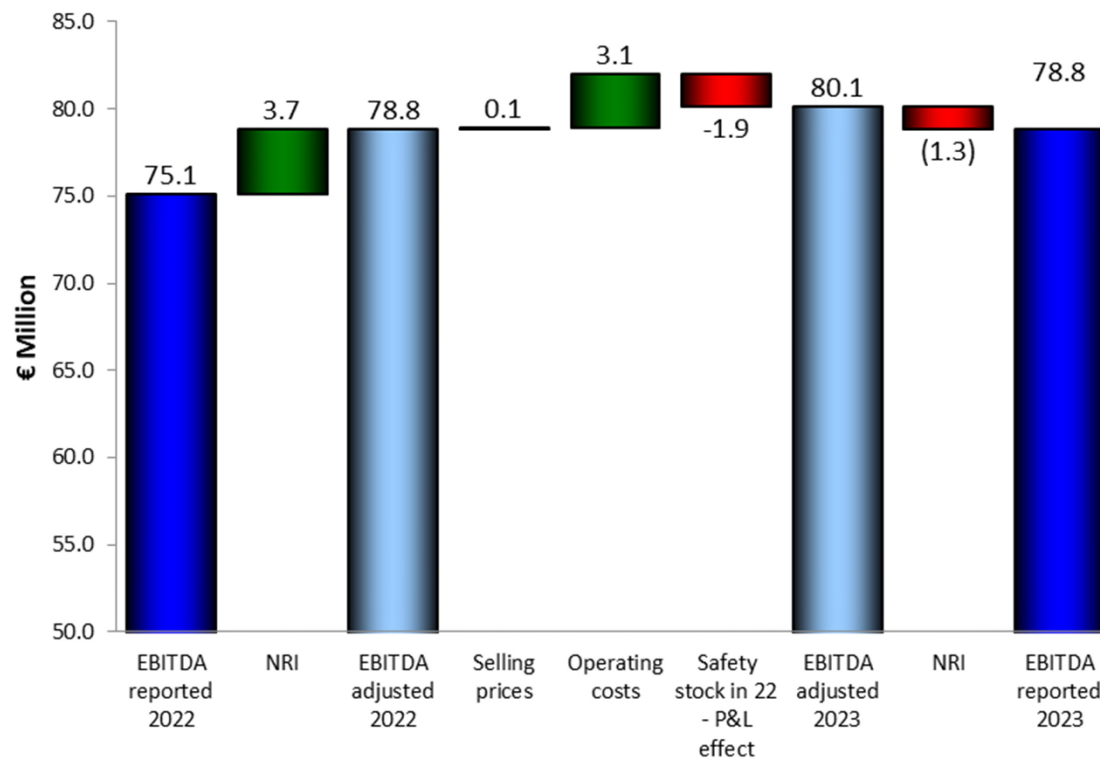
- EBITDA adjusted grew by 29.6% thanks to volumes increase and pricing power
- In 2022, non-recurring items are M&A transaction costs and extraordinary bonuses to employees (no adjustments in 2021)

(1) Due to rounding, numbers presented throughout this chart may not add up precisely to the totals provided  
(2) Source: management analysis of consolidated results as of 31/12/2022

# EBITDA 2023 Bridge Analysis

FY 2023 vs 2022 = + 1.7%

FY 2023 vs 2018 = + 108.6%



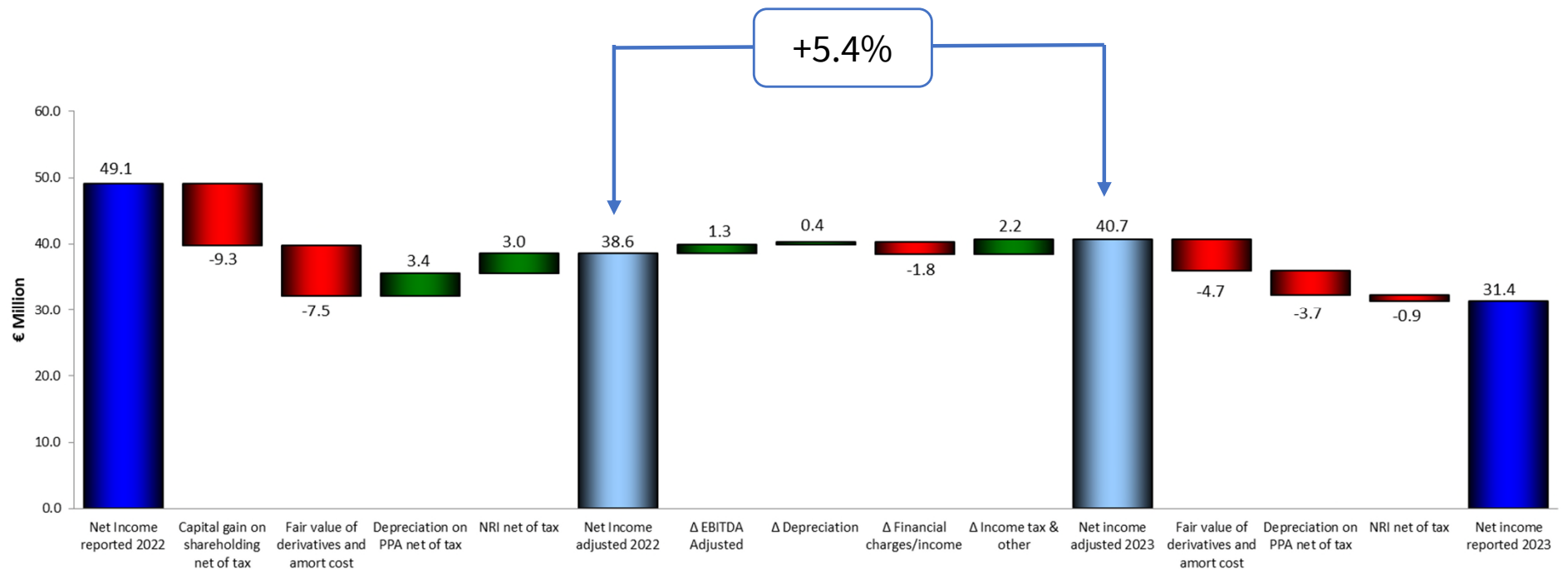
- EBITDA adjusted grew by 1.7% thanks to cost savings
- In 2023, non-recurring items are new plant in Belluno start-up costs and extraordinary contribution to flooded populations of Emilia Romagna

(1) Due to rounding, numbers presented throughout this chart may not add up precisely to the totals provided

(2) Source: management analysis of consolidated results as of 31/12/2023



# 2023 Net Income – Net income Adjusted Bridge Analysis



(1) Due to rounding, numbers presented throughout this chart may not add up precisely to the totals provided

(2) Source: management analysis of consolidated results as of 31/12/2023

(3) Net income adjusted considers the depreciation of “purchase price allocation” resulting from M&A transactions concluded in past years

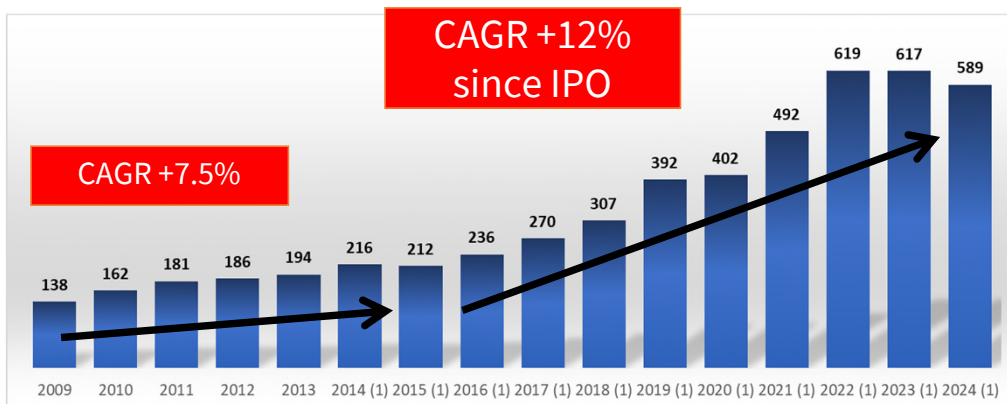
# Performance since IPO (2015)



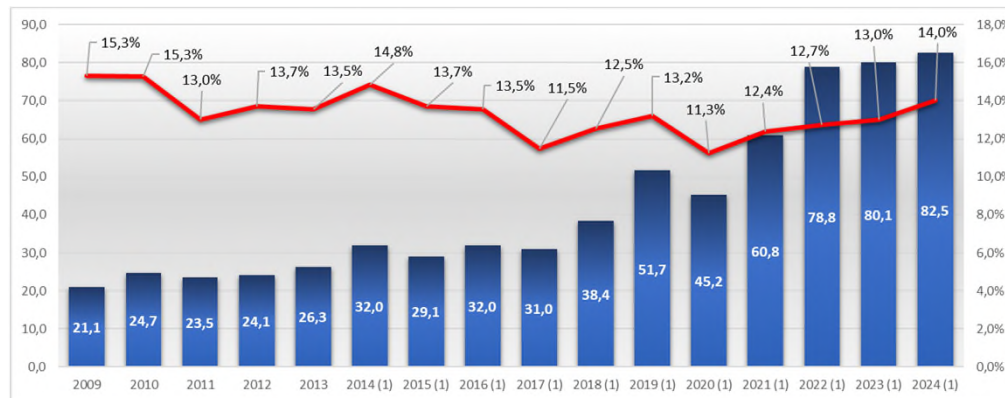
Strategic targets identified since 2015		Actual results: 2015 – 2024		
Organic growth (CAGR)	5/6% p.a.	<b>CAGR</b>	<b>Organic</b>	<b>Total</b>
		Sales	8.6%	12.0%
		EBITDA	10.4%	13.6%
NWC	Strict control	10-17% on sales In 22/23 temporary increase of safety stock due to uncertain supply chain		
Growth Capex		€ 121 M		
Geographic expansion	Asia - USA	5 new plants in Poland, China and USA Doubled plant in India		
Acquisitions		4 strategic acquisitions € 129 m invested		

# Financial Highlights

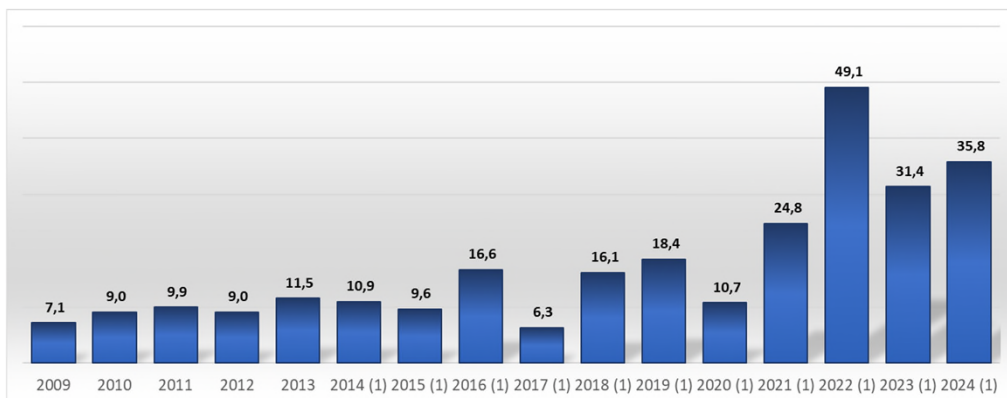
Turnover 2009-2024



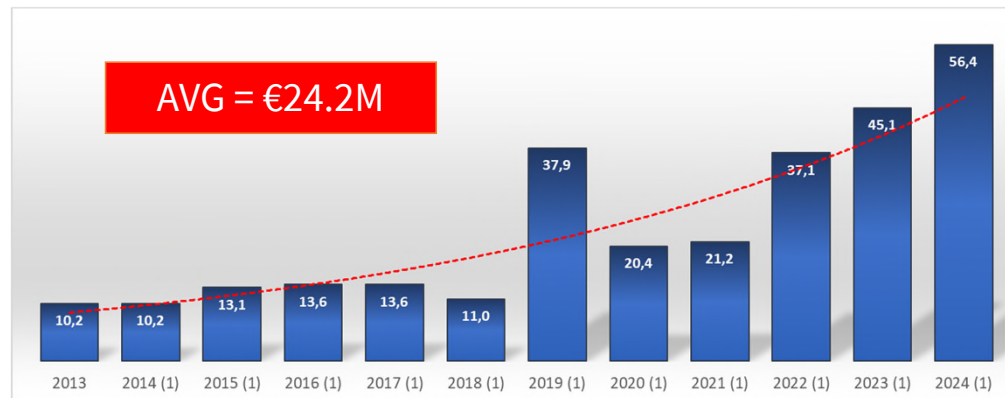
EBITDA ADJ <sup>(2)</sup> 2009-2024



Net Income reported 2009-2024

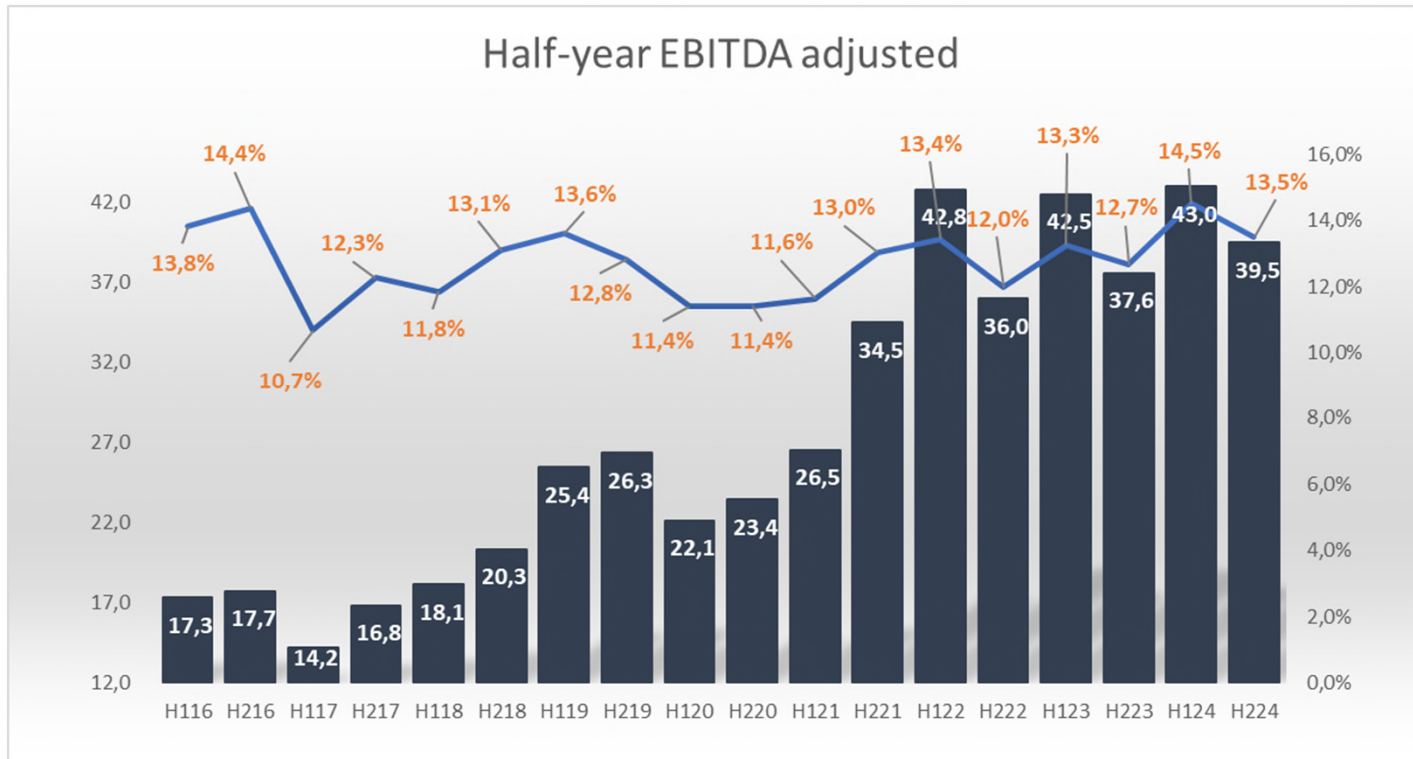


Net Cash Generation ADJ <sup>(2)</sup> 2013-2024



- All data in € millions
- (1) 2014-2024 based on IFRS – 2009-2013 based on ITA GAAP
- (2) Adjustments to exclude non-recurring items

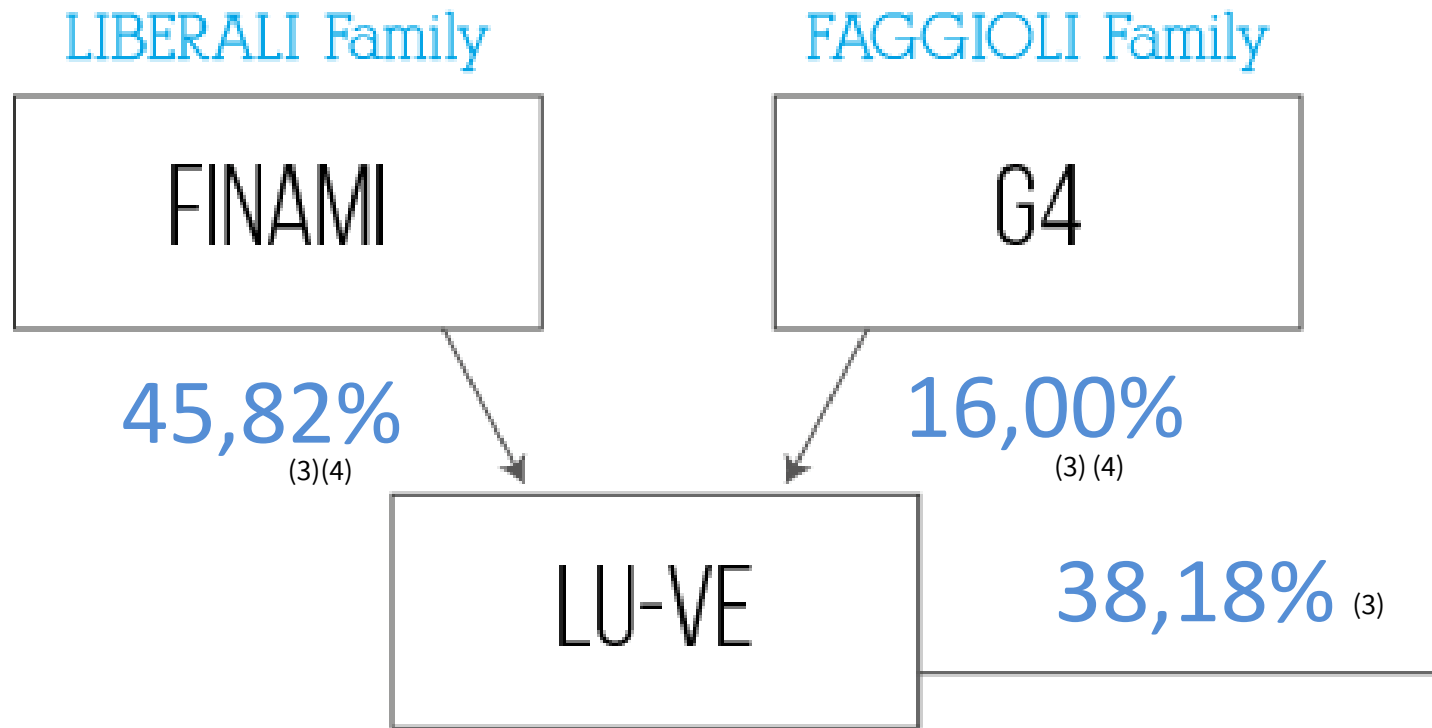
# Resilient business model and improving profitability



- Since H2 2019, dilutive effect on margin percentage due to lower profitability of AL AIR (~ 125bps)
- In 2020 impact of Covid and lockdown
- In H1-20, volumes decreased by 10.4% LFL due to lockdown
- In 2021, volumes increased by 14.7%
- In 2022, volumes increased by 8.9%
- In H2-22 impact on profitability due to safety stock
- Effect on metal inflation margin 90 bps in 2021 and 160 bps in 2022
- On 2023 cost saving program started in H2 with first results already achieved
- Strong trend of profitability improvement in H2

- 1) All data in € million
- 2) H1 2016 proforma to include Spirotech which has been acquired in October 2016
- 3) ZHT is consolidated since H2 2018
- 4) AL Air is consolidated since 1st of May 2019
- 5) Refrion consolidated since 1<sup>st</sup> of April 2022 – Tecnaair deconsolidated since 1<sup>st</sup> of April 2022

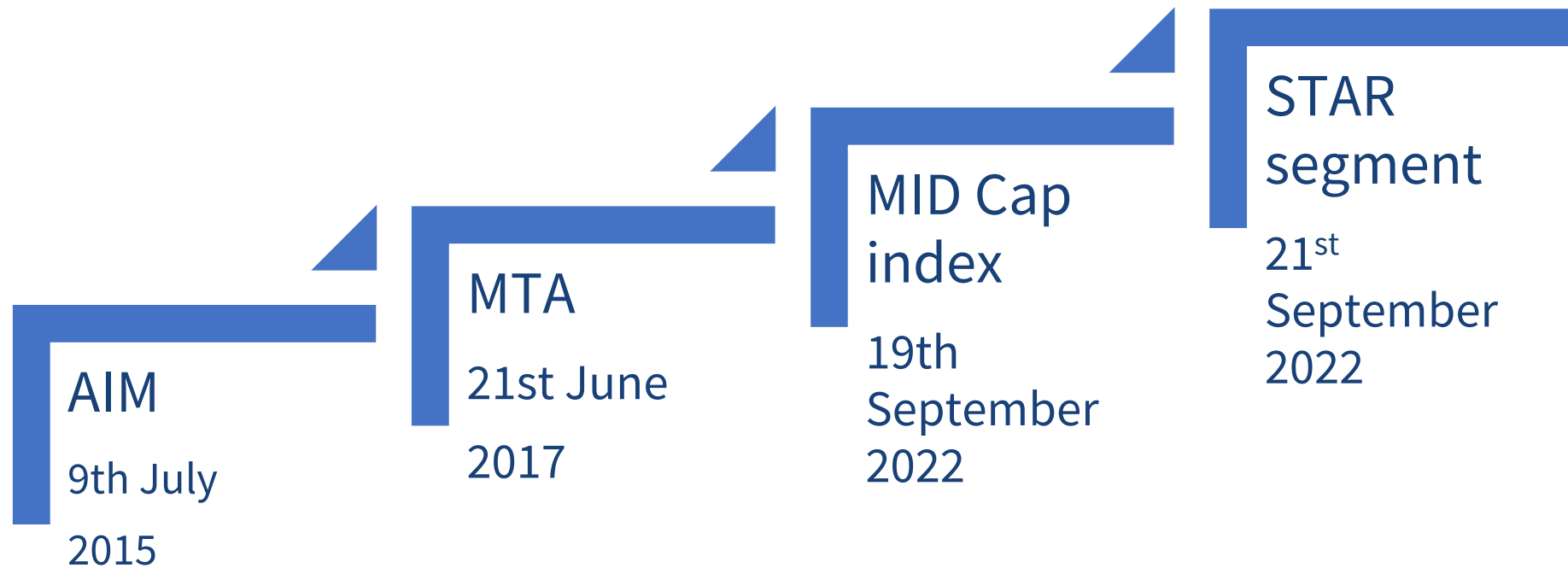
# Shareholders Structure (1)



- (1) Fully diluted – post warrant conversion at end of May 2017
- (2) Updated as of as of February 5<sup>th</sup>, 2025
- (3) Based on number of shares
- (4) Thanks to the Loyalty Share Program (2 years ownership) as of February 5<sup>th</sup>, 2025, Finami owns 50,9% of voting rights and G4 owns 14,3% of voting rights
- (5) Treasury shares as of as of December 31<sup>st</sup>, 2024, 0,13% of share capital

# LU-VE presence on the Italian Stock Exchange

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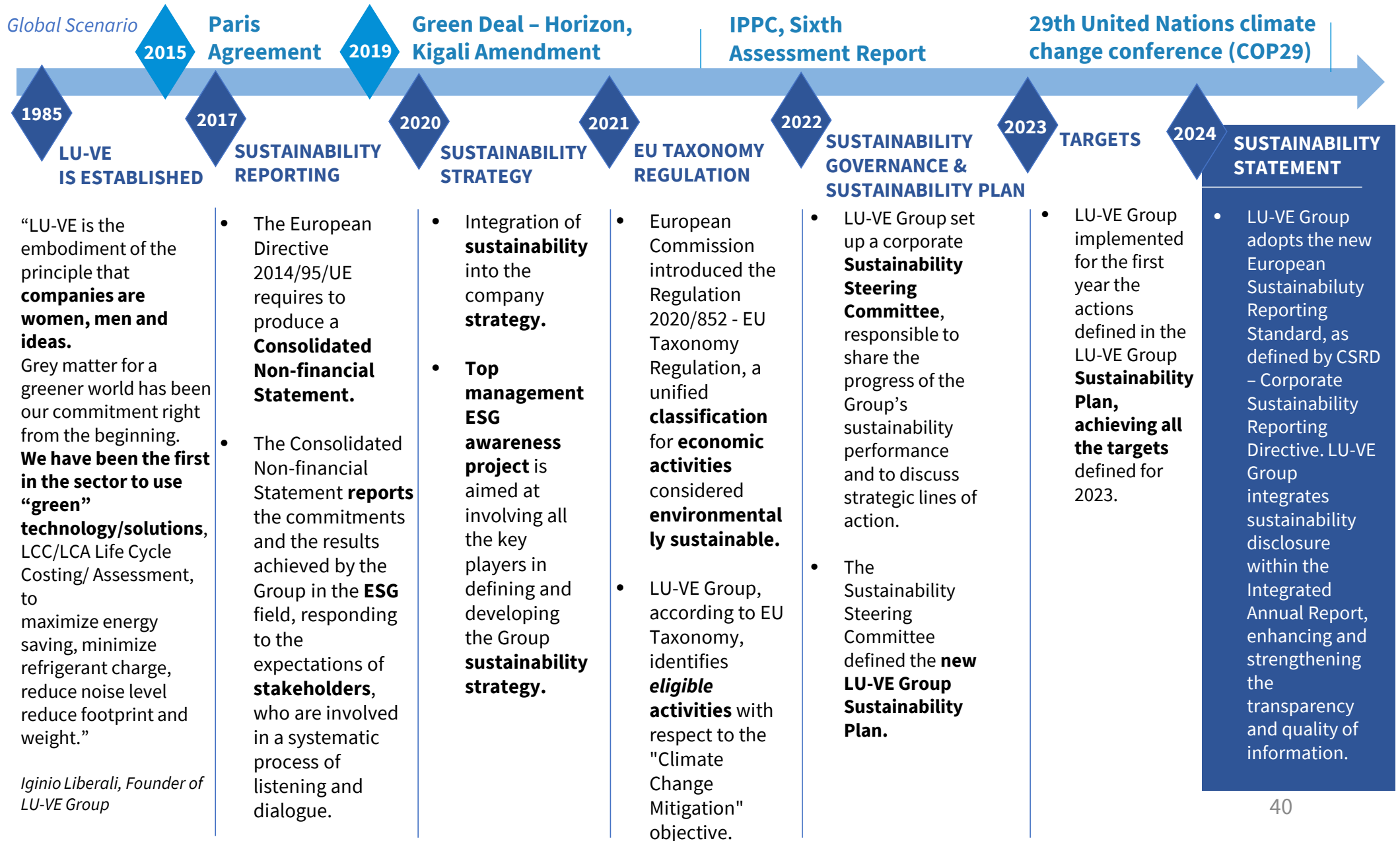


**LU-VE**  
**GROUP**  
*leadership with passion*



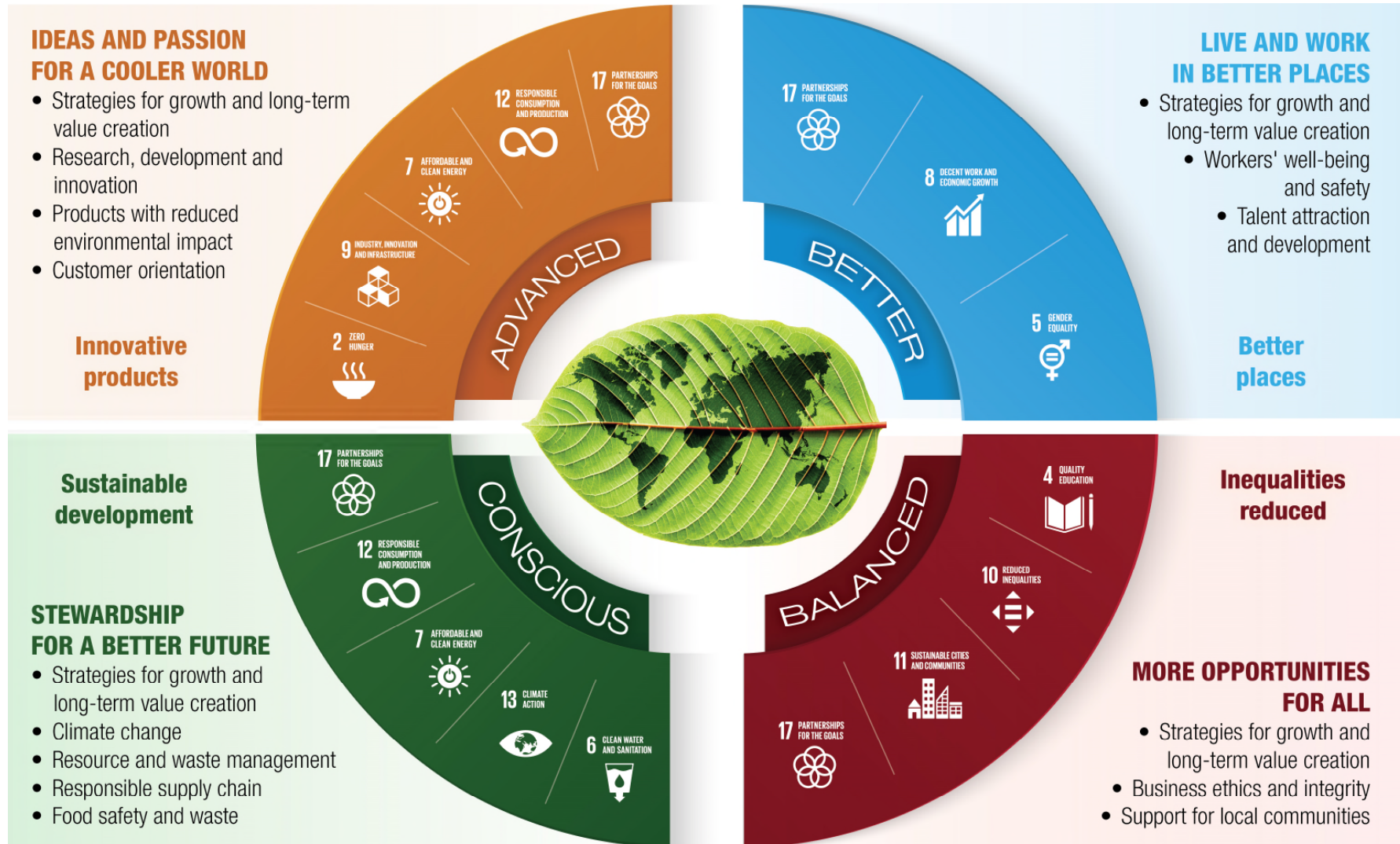
# ESG

# LU-VE Group Approach to ESG Topics





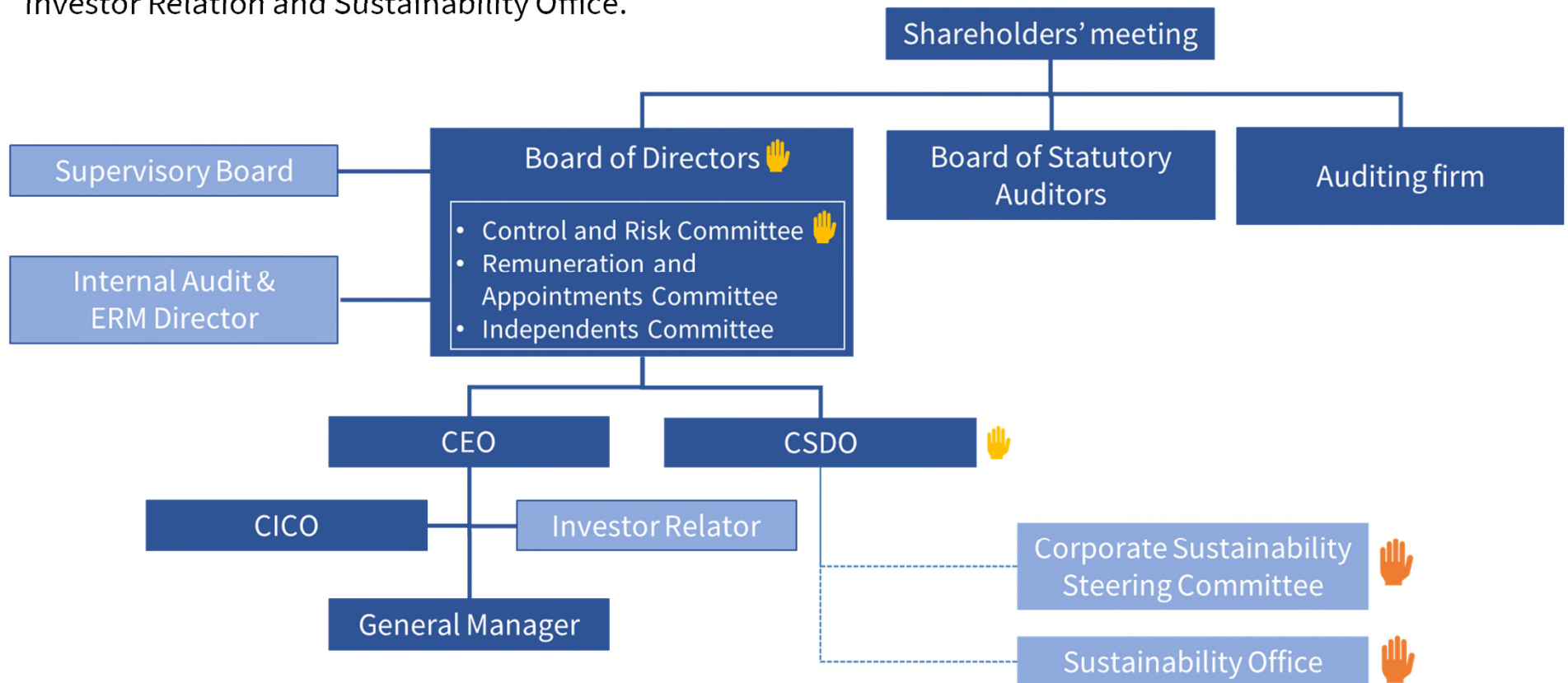
# Our Sustainability Vision in 4 pillars



*Our vision is linked to the material topics that we pursue so that this vision can take shape in the real world. The Sustainable Development Goals (SDGs) have been defined at global level by the United Nations to identify global priorities for development by the end of 2030.*

# The Sustainability Governance

**In 2022 LU-VE Group set up a corporate Sustainability Steering Committee:** this is where the strategic lines will be plotted and the progress of our performance will be evaluated. The new figure of Group General Manager (GM), introduced in 2023, has been also involved in the Corporate Sustainability Steering Committee which is regularly attended by CEO, CSDO, GM, CFLO, Investor Relation and Sustainability Office.



# The Sustainability Plan

The 2024 was the second year of implementation of **LU-VE Group's 2023-2025 Sustainability Plan**. It was prepared by the Corporate Sustainability Steering Committee, reviewed by the Control and Risk Committee, and approved by the Board of Directors in February 2023.

**All the targets set for 2024 have been met.**

POSITIONING AND KEY INDICATORS	2022	2023	2024	TARGET 2024
<b>A. Integrated sustainability of the business plan</b>				
<b>B. Innovative products</b>				
Turnover from products designed with high efficiency motor and/or natural refrigerant fluids (% of total turnover)	50.7%	53.6%	<b>56%</b>	>54%
Relevant suppliers who completed the Supplier Form (% of total relevant suppliers)	57%	67%	<b>70%</b>	>69%
Supplier audits (no.)	4	10	<b>11</b>	11
<b>C. Climate neutrality</b>				
Scope 1 and Scope 2 greenhouse gas emissions reduction (% of baseline 2022)	-	-6.39%	<b>-15%</b>	-10%
<b>D. High engagement</b>				
Employees assessed in the Performance Management process (% of total eligible employees)	-	74%	<b>87%</b>	>75%
Accident frequency index	5.21	3.08	<b>3.65</b>	< 4.14
Accident gravity index	0.20	0.09	<b>0.12</b>	< 0.15

# Climate change mitigation targets

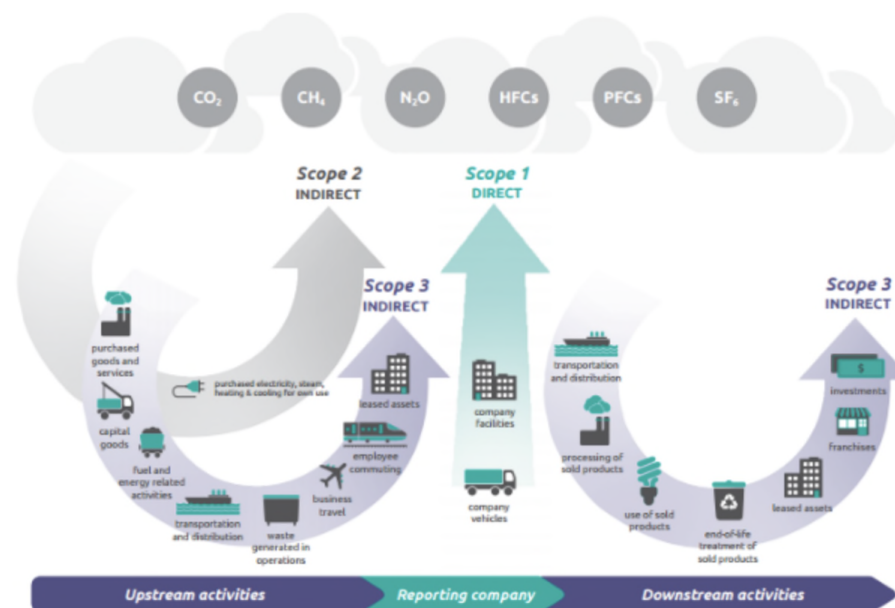
Considering climate targets, LU-VE Group:

**A. Reduced its greenhouse gas emissions (Scope 1 and Scope 2 according to the Market-based methodology) by 15%, considering the 2022 baseline.**

Achievement of the target - defined through science-based methodology - was possible mainly through the use of electric energy from renewable sources certified through Guarantees of Origin or produced through on-site photovoltaic plants, as well as through energy efficiency initiatives.

**B. Pledged to establish a plan to reduce Scope 3 greenhouse gas emissions over the next two years.**

In addition, for the first time, in the FY2024 Consolidated Sustainability Statement (Integrated Annual Report), the Group is reporting data on its Scope 3 emissions. The Scope 3 emissions categories most relevant for LU-VE Group are related to clients' use of products (cat. 11 of GHG Protocol) and materials purchased (cat. 1 of GHG Protocol).



GHG Inventory Diagram. Source: [Greenhouse Gas Protocol](#)

# Resources for climate change mitigation and adaptation

As part of the **2026-2028 Business Plan**, LU-VE Group has planned investments (CAPEX) with the aim of mitigating impacts from climate change mitigation and adaptation with a total value of €8.5 million, of which

- A. Climate change mitigation: €7 million** for Scope 1 and Scope 2 emission reduction actions through investments in advanced technologies for climate-friendly production processes
- B. Climate change adaptations: €1.5 million** for adaptation of plants to the effects of climate change, with special reference to adaptation works to mitigate flooding risks and increase site protection during heavy precipitation and to site cooling to mitigate the negative effects of heat waves.

# EU Taxonomy and the eligible activities of the LU-VE Group

**LU-VE Group’s activities eligible to the EU Taxonomy, because of its contribution to the objectives: «Climate Change Mitigation» (CCM) - Delegated Regulation (EU) 2023/2485 and «Transition to a circular economy» (CE) - Delegated Regulation (EU) 2023/2486:**

- Equipment for the production of hydrogen - CCM 3.2 - **new activity**
- Heat exchangers with high energy efficiency - CCM 3.5
- Products using CO<sub>2</sub> as a refrigerant fluid - CCM 3.6
- Products using other natural refrigerant fluids (hydrocarbons, ammonia, glycol water) - CCM 3.6
- Transport by motorbikes, cars and light commercial vehicles - CCM 6.5
- Constructions of new buildings – CCM/CE 7.1
- Renovation and efficiency of buildings – CCM/CE 7.2
- Installation, maintenance and repair of ventilation systems - CCM 7.3,
- Installation, maintenance and repair of Building Management Systems (BMS) – CCM 7.5 – **new activity**
- Installation, maintenance and repair of photovoltaic systems – CCM 7.6

LU-VE Group - Eligibility data	KPI	2024	2023
	<b>Turnover</b>	36.4%	34.7%
	<b>CAPEX</b>	40.9%	29.3%
	<b>OPEX</b>	36.4%	36.4%

# Climate Risks analysis for the Industrial Plan 2025-2028

## PHYSICAL CLIMATE RISKS ANALYSIS

- LU-VE Group already required a risk assessment for its production facilities in 2022. This analysis is considered up-to-date and also applicable for the financial year 2024 as it is based on **IPCC (Intergovernmental Panel on Climate Change)** scenarios, categories of physical climate risks, calculation methodologies and time horizons still in line with the state of the art and the context in which the Group operates.
- The different future scenarios were based on internationally recognised climate models based on greenhouse gas concentration pathways (Representative Concentration Pathways - RPC) developed by the **IPCC** with particular reference to the **RCP 2.6 and RCP 4.5 scenarios**. Considering the time frame, the simulations were performed with a **horizon up to 2035**.
- The analysis showed that the risks that will have the greatest influence on the Group are **temperature variability, intense precipitation and precipitation variability**. Vice versa, the exposure to certain other risks, e.g. drought and fire risk, are not expected to be material to the Group's operating assets.

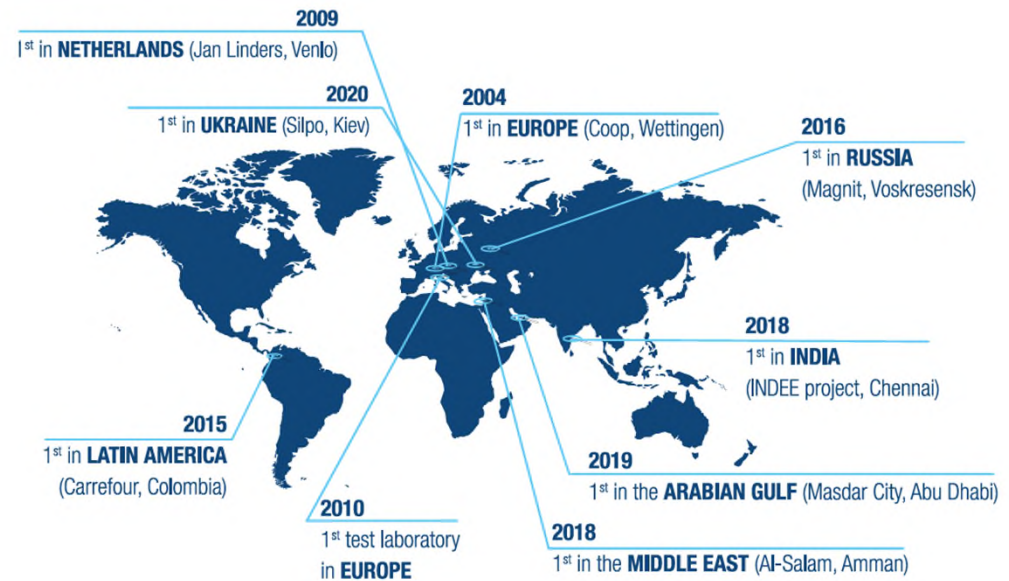
## TRANSITION CLIMATE RISKS - Analysis update

- The various types of risk - market, technological, legal/policy and reputation - have been evaluated according to their potential impact on the business and the Group's ability to cope with them over time. As an example, market risks related to **increases in production and transport costs**, due to specific market conditions and the introduction of new regulations (such as Carbon Border Adjustment Mechanism at European level) have been assessed, as well as the **demand for products with less emission impact** also due to the tightening of regulations and directives aligned to climate policies, such as the F-Gas Regulation.

# Helping Customers Reach their Sustainability goals

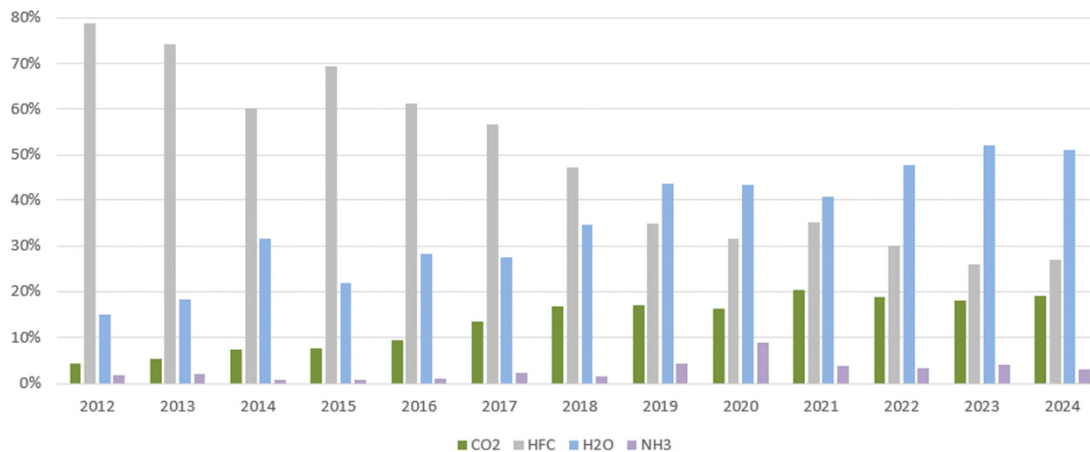
## FIRST MOVER IN GREEN TECH

Over the last 10 years, LU-VE Group's technological leadership has been strengthened thanks to the development fluids and energy-efficient motors.

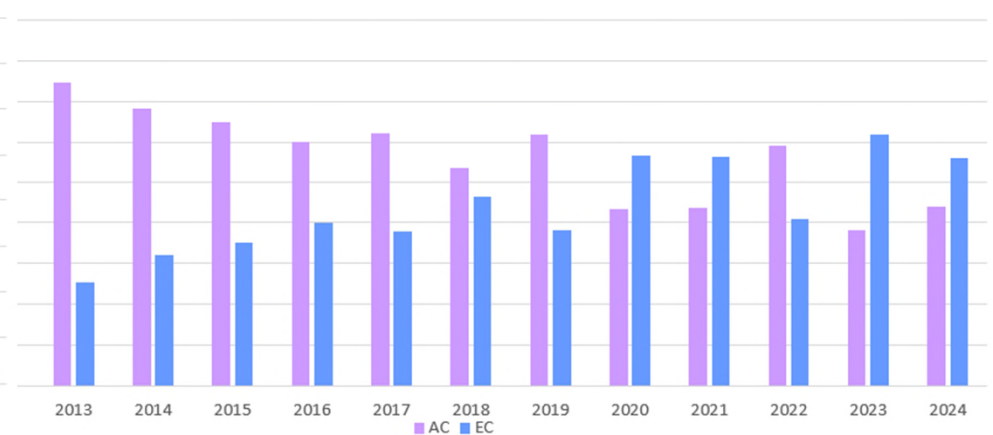


LU-VE GROUP FOR CO<sub>2</sub>

% of sales of products by type of refrigerants



% of sales with EC/AC motors



The graph “% of sales with EC/AC motors” shows for 2022 a trend reversal due to the contingent lack of electronic components found in EC motors that has forced the market to opt for AC motors (that do not contain these components).



# Sustainability Ambassadors' Journey: leverage our sustainability culture

The “**Sustainability Ambassadors' Journey**“, our initiative launched globally in 2023 to increase sustainability awareness within the LU-VE Group and accelerate sustainable change within the company, continued in 2024.

Among the various spontaneous applications received, a total of 80 employees were selected from different companies within the Group and from various departments and functions. The training, discussion, and dialogue activities covered five main areas: **climate crisis, energy market, human rights, circular economy, and sustainability communication.**

At the end of the first phase, the "Sustainability Ambassadors' Journey" continued with two main modules:

- i) through the **Climate Fresk Path**, employees can participate in an intensive training to become certified Climate Fresk facilitators, with the aim of guiding their colleagues in workshops on climate change and its social impacts;
- ii) by participating in the **Sustainability Lab**, employees joined workgroups to generate ideas and proposals for sustainability projects to be developed within the company.

The activities are ongoing.

# Decarbonization and heat pumps



- Heat pumps are a decisive element for achieving the goal of **zero “net carbon emissions”**
- LU-VE Group has designed special products to make the **best use** of heat sources for heat pumps: thus supporting this market which in 2022 recorded a **strong growth**

## HEAT PUMPS FOR DISTRICT HEATING

- LU-VE Group conducted an experimental campaign in 2022 on a variety of aerodynamic layouts of a plant in Denmark and contributed to the development of a new configuration of coolers capable of **reducing the energy consumption of the heat exchanger by up to 21%**.
- The full results were presented during the **“Gustav Lorenzen”** international conference, the most important on natural refrigerant fluids.



## HEAT PUMPS FOR RESIDENTIAL USE

- **LU-VE Group made R&D activities on seeking solutions capable of reducing the load of specific refrigerant fluids for the use of R290 when presenting the 4mm diameter tube at Chillventa 2022.**
- This innovation endows LU-VE Group products with the highest performance in terms of both yield and sustainability.



Heat pumps allow heat to be extracted from a **natural source** (air, water or ground) and make it available at the desired temperature. They also allow recovery of the residual heat, which can then be used for heating to increase the **system's efficiency**



**LU-VE**  
**GROUP**  
*leadership with passion*



# M&A

# M&A activity (2015- 2022)

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Four acquisitions completed

Sales acquired: € 145 m

Amount invested: € 129 m

Average EBITDA multiple paid = 7.0x

ACC Wanbao asset deal

***SPIROTECH***  
HEAT EXCHANGERS PVT. LTD.

**Zyklus**   
Heat Transfer, inc.

**fincoil**

**ALFA**

 **HELPMAN**  
since 1924

**REFRION**  
COOL GENERATION

# Refrion (Italy) (2022)

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## Main financial terms

- Acquisition completed on 30<sup>th</sup> of March 2022
- Acquisition of 75%, plus put&call on the remaining 25% within 5 years
- Cash out at closing equal to € 8.1 M
- EBITDA multiple = **7,35x** average 2020/2021 adjusted EBITDA
- Remaining 25% acquired in 2024 for a value of € 7.4 M
- **Financial highlights 2021:**
  - Sales = € 26 M
  - EBITDA = € 2.7 M

## Strategic rationale

- Refrion specializes in the production and marketing of air heat exchangers with **adiabatic technology**, which enables reductions to be made in energy consumption, water consumption, and noise emissions
- Technology of heat exchangers with **oval tubes**
- Limited customer **overlapping**
- Heat exchangers for **nuclear plants**
- One of the largest **climatic test chambers** in Europe

# ACC (Italy) (2022)

## Main financial terms

- Transaction completed on 29<sup>th</sup> of July 2022
- Contracting of selected assets and employees of former ACC under receivership (based on Belluno – Italy)
- Total capex on the site up to € 9 M in 3 years
- Hiring a certain number of former blue collars of ACC, benefitting from subsidies from the Italian government

## Strategic rationale

- Access to **modern industrial plant** at cheap conditions (40.000 mq)
- **Hiring skilled people** at reduced costs
- Opportunity of rationalization of **logistic activities** of the nearby plant of LU-VE



# Tecnair LV (Italy) (2022) - Divestiture

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## Main financial terms

- Transaction completed on 21<sup>st</sup> of March 2022
- Sale to Systemair of the entire participation (80%) in Tecnair LV
- **Transfer of all the employees**
- Cash-in at closing € 12,9 M
- EBITDA multiple = 12,5x 2021 adjusted EBITDA
- **Financial highlights 2021:**
  - Sales = € 12,0 M
  - EBITDA = € 1,2 M

## Strategic rationale

- **Limited integration** with the LUVE Group
- Product range in **competition** with large customers of LUVE
- Technological developments toward **outdoor machines** for data centers
- Limited growth in the last years
- Strategic **long term supply** agreement of components with Systemair

# Acquisition of Alfa Laval Air Heat Exchanger Business: Overview (2019)

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- On December 12<sup>th</sup>, 2018, Lu-Ve signed a binding contract to acquire 100% of Alfa Laval Air Heat Exchanger division (“AL Air”) of Alfa Laval Group. The acquisition was completed on April 30<sup>th</sup>, 2019 <sup>(1)</sup>
- Purchase price paid at closing amounted to €43.6m. An additional payment of €7.5m was made on April 30<sup>th</sup>, 2020.
  - 6.5x Adj. EBITDA multiple over the period 2018-2019
  - Final price agreed on February 4<sup>th</sup>, 2020
- AL Air manufactures air-cooled products for industrial process cooling, refrigeration and HVAC applications
- In the two-year period 2018-19, AL Air reported ca. €100m sales and an EBITDA margin of 8.0% with a Sales CAGR of 8.9% over the last 3-year period
- AL Air brings to Lu-Ve Group:
  - World class customers in Europe, US and India
  - 3 state-of-the-art manufacturing plants in Italy, Finland and India with ≈400 people
  - An ideal base to expand (i) market presence in the industrial cooling and refrigeration segment in Europe and (ii) production in India

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1) Subject to 2018 EBITDA review and post closing adjustments



# Acquisition of Alfa Laval Air Heat Exchanger Business: Rationale (2019)

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- Becoming the third largest player in the world in the air-cooled products
- Strengthening market position in Europe in industrial cooling business unit, achieving a leading position
- Enlargement of product applications (engine cooling, power converter and process cooling)
- Limited customers overlapping
- Strong management team with international experience
- Expansion in the Indian market related to the cold chain infrastructure
- Opportunities of synergies as result of plant specialization, marketing efforts and costs rationalization

# ZHT (USA) (2018)

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- On June 26, 2018, LUVÉ completed the acquisition of Zyklus Heat Transfer Inc (ZHT), based in Jacksonville (Texas)
- Luve acquired 100%
- ZHT is specialized on heat exchanger for the US market
- Mr. Zachary Riddleseperger – founder and 100% owner – remains as VP Operation
- Three years earn-out scheme based on EBITDA
- 2017 turnover: USD 10.3 M
- Average growth rate previous two years: 12%
- 2017 adjusted EBITDA: USD 1.7 M (16.5%)
- At December 2017 adjusted net financial debt was USD 3,4 M
- Price paid for 100%: USD 10 M
- 2017 EBITDA multiple paid: 7,9x

Il Sole **24 ORE**

Sbarca negli Usa e acquista  
la texana Zyklus Heat Transfer



# Spirotech (India) (2016)



- Binding contract to acquire 95% of Spirotech signed on 18/9/2016
- Spirotech is a leading and fast-growing Indian producer of heat exchanger for HVAC industry, home appliances and transportation:
  - turnover of € 21 millions with an average EBITDA margin > 20%
  - doubled the turnover during the last 5 years
  - world class customers in Europe, US and India
  - strong management team with international experience
  - state of the art manufacturing plant with expansion opportunities
- Ideal base to expand production in India, to benefit from long term trend in creation and expansion of cold chain in India and Asia
- **Total consideration :**
  - 7,3x FY16 EBITDA
- **Strategic rationale of the acquisition:**
  - Expansion of Spirotech customer basis thanks to LUVE sales network
  - Expansion in the Indian market with LUVE products related to the cold chain infrastructure
  - Transfer of customers/products from other Group European plants based on logistic and technological evaluation
  - Expansion in Middle East due do the logistic advantage

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**OUR BEST DAYS HAVE YET TO BE LIVED**

**Nazim Hikmet**

