

A photograph of an industrial facility with large, shiny, metallic pipes and structures under a blue sky with white clouds. Two workers in blue uniforms and yellow hard hats are in the foreground, looking up at the pipes. One worker is pointing towards a pipe.

Webinar – Clean Technologies

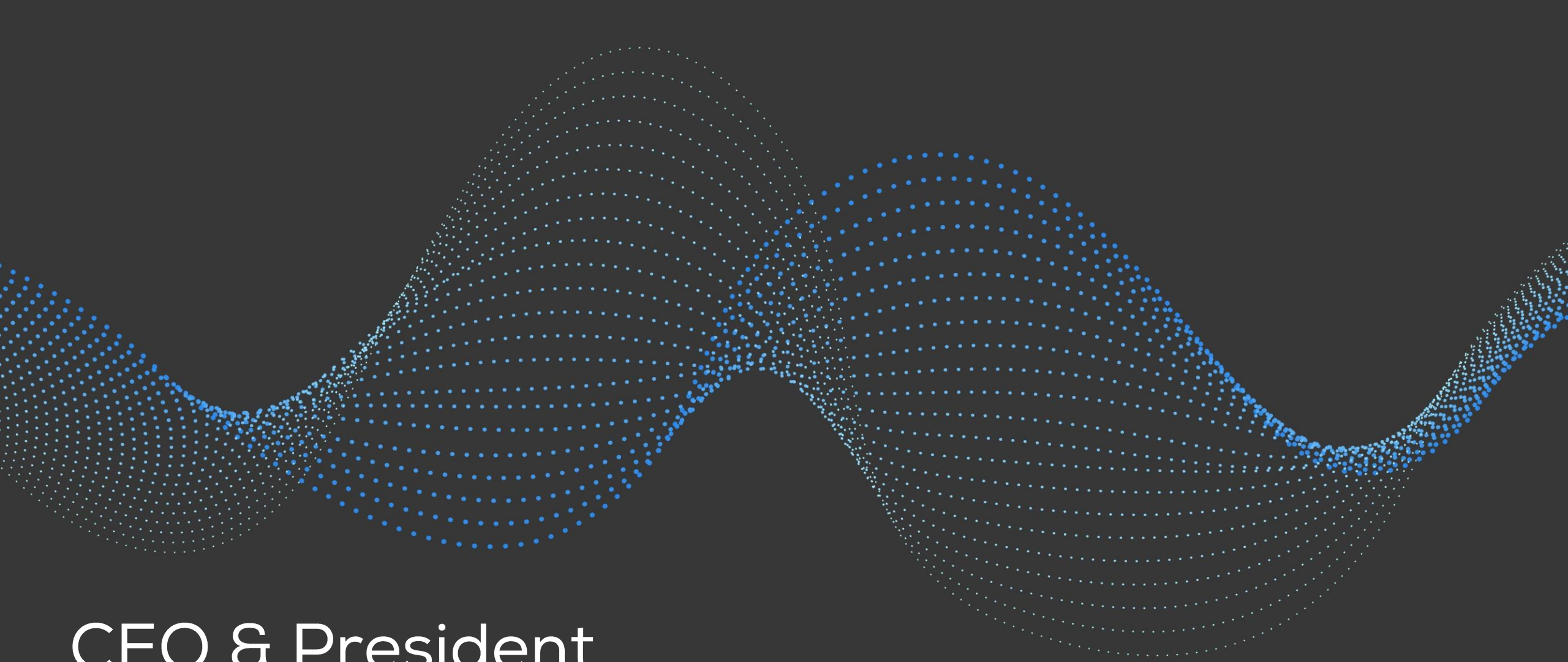
Investor Relations – June 2023

CEO & President, Klas Forsström

GVP & President AirTech, Henrik Teiwik

VP Clean Technologies, Jing Jin

Business Unit Manager & MD, EMEA, Markus Karbach



CEO & President,
Klas Forsström



Clean Technologies – solutions for a healthier planet



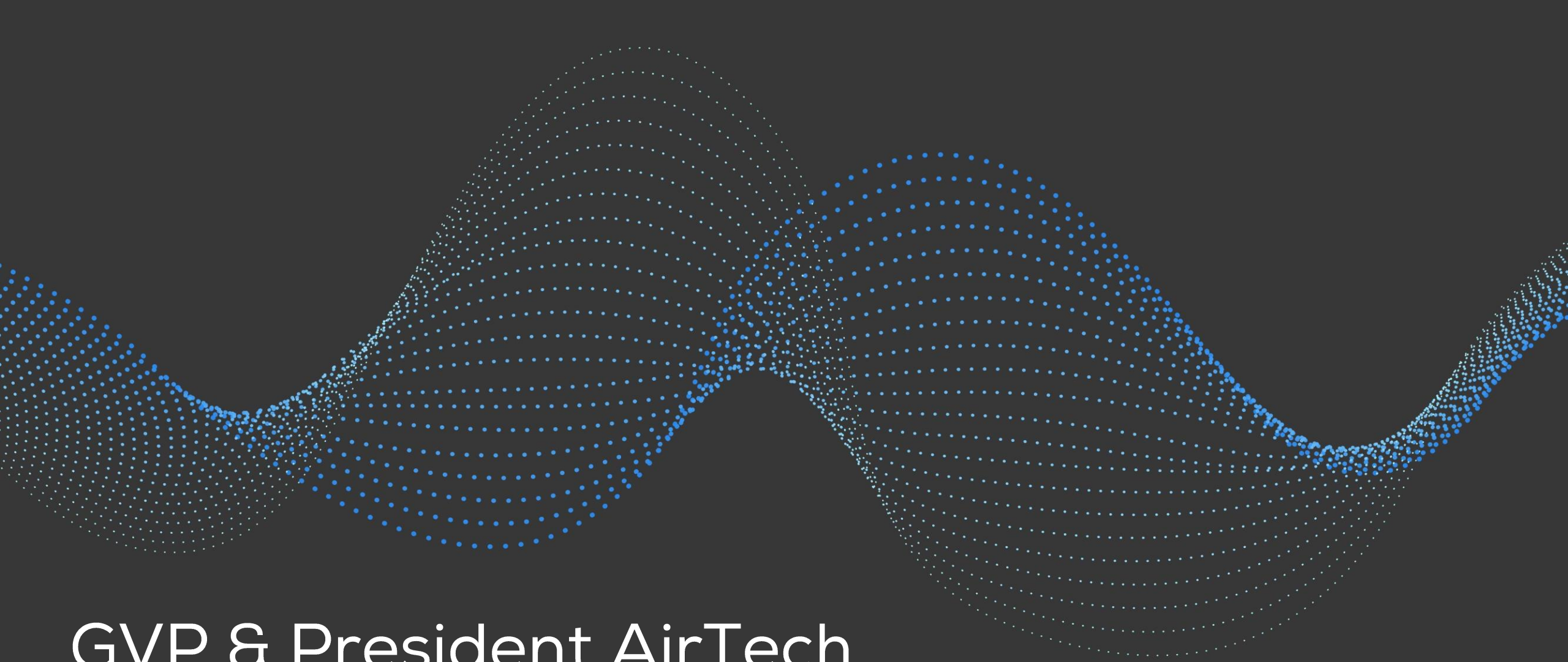
Clear strategy set and well-positioned for value creating growth



We deliver solutions that improve our customers climate impact



Solid participation in projects during 2022 confirming our strong position & offering



GVP & President AirTech,
Henrik Teiwik



Clear strategy set and well-positioned for growth

Meeting new market demands...

- Sustainability mega trend significantly impacting our customers
- With increasing regulations on emissions - we support customers to reduce their direct & indirect environmental footprint
- Supporting the global transition to green technologies

... with a solid starting position...

- Extensive application know-how adopted to meet current market demand
- Vast knowledge in mist elimination, mass transfer & VOC abatement
- Wide solutions that enhance process productivity, lower emissions & reduce carbon footprint

... and a clear future strategy.

- High focus on value engineering & energy efficiency
- Continue to strengthen capabilities within our Center of Excellence and R&D centers
- Harmonizing offering and introducing new innovations & solutions
- Capturing the full value chain opportunity

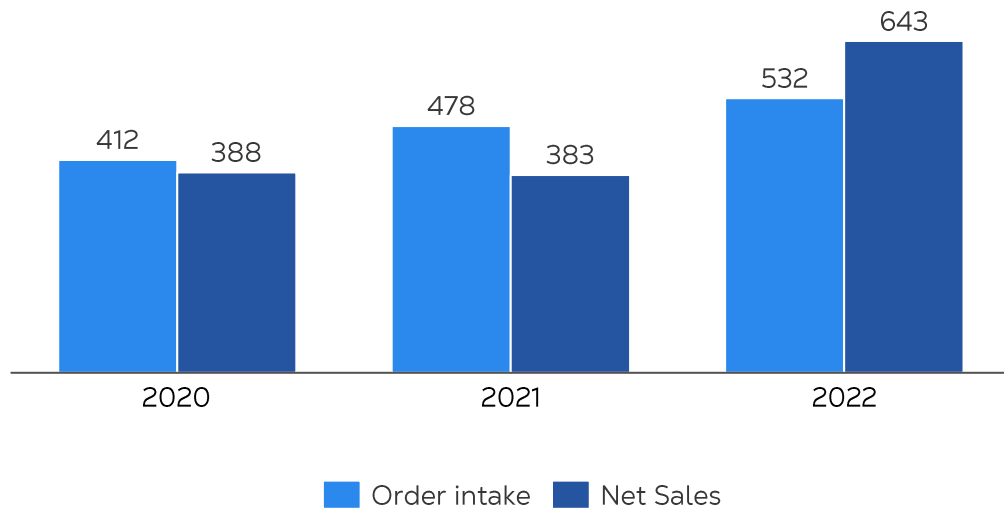


Clean Technologies help deliver clean air to the world

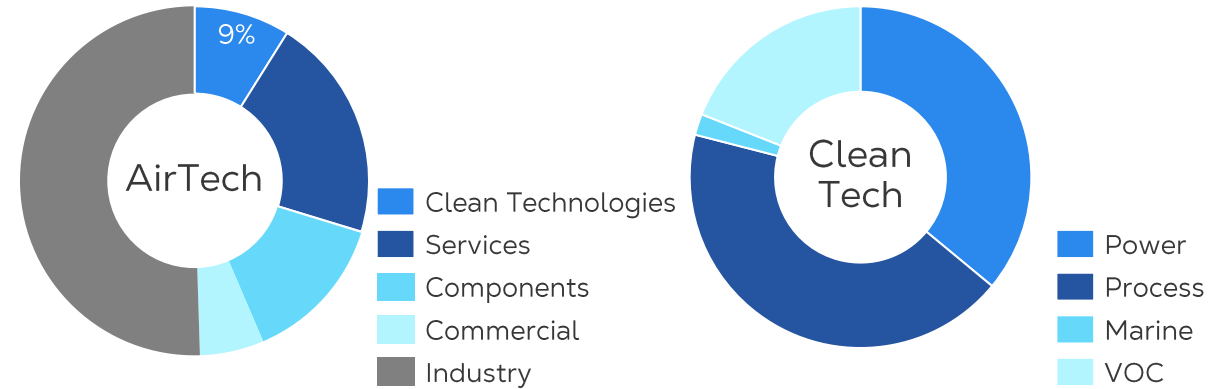
Key figures 2022



Growth (MSEK)



Segment net sales 2022



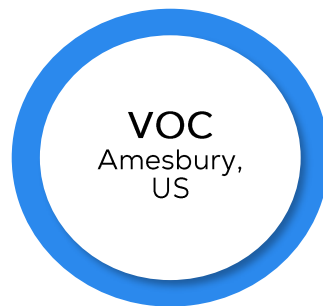
Regional distribution



Centre of Excellence pivotal for application knowledge & best practice sharing

Centre of Excellence (CoE) – teams of experts focusing on Clean Technologies techniques

- **Application & technical know-how** to ensure maximum customer value & performance
- **Trouble shooting & second line expertise**
- **Facilitates best practice sharing** & coordination across Americas, EMEA & APAC
- **Research & development** of each technology



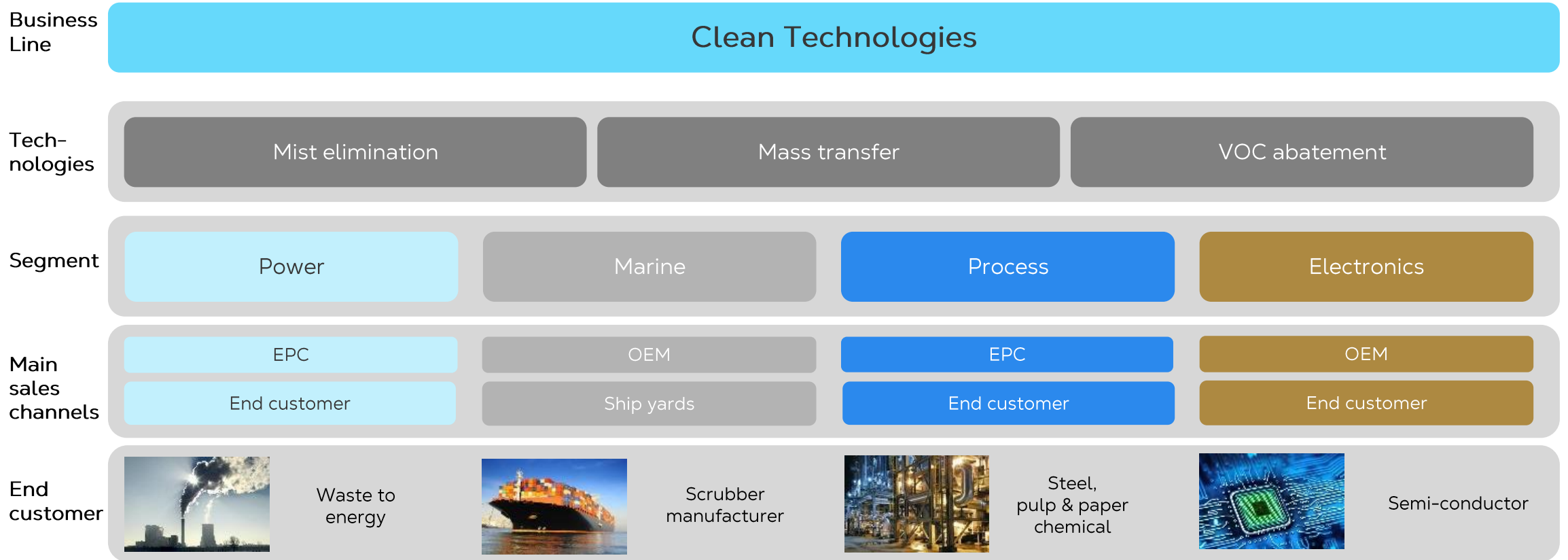


VP Clean Technologies,
Jing Jin

Business Unit Manager & Managing Director, EMEA,
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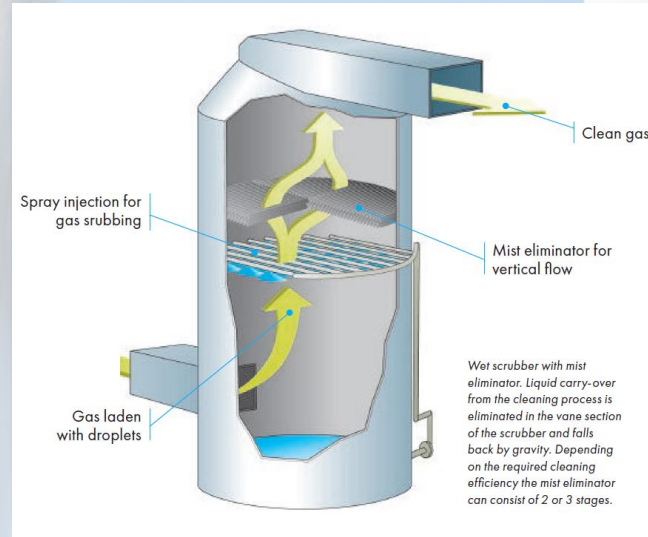
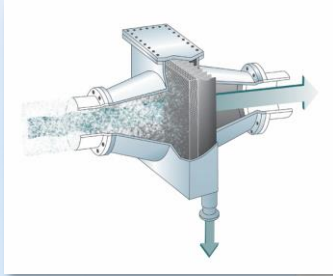


Providing clean emission, higher productivity & protection of equipment



Mist Elimination

Delivers benefits anywhere liquids and gasses need to be separated



Benefits:

- Enhances process productivity
- Lowers emissions
- Helps reduce the environmental footprint

Example of applications:

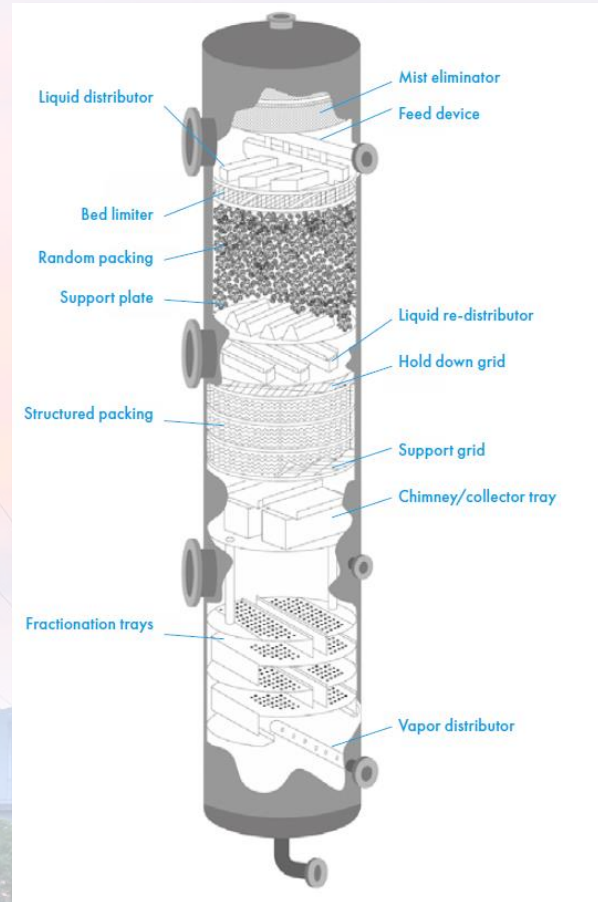
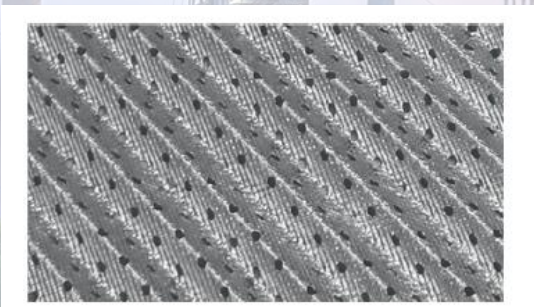
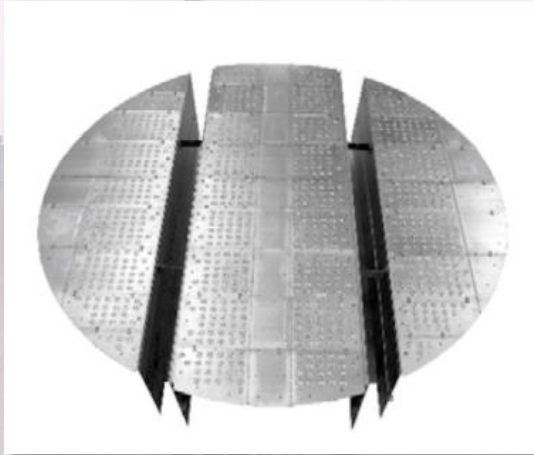
- Scrubbing, air intakes, adsorption, distillation, evaporation, desalination & separate segments

Example of industries:

- waste to energy, marine, steel & other process industries (i.e. pulp & paper)

Mass Transfer

Separates chemical components and facilitates liquid extraction



Benefits:

- Optimizes pressure drop vs output, using the least amount of energy possible

Example of applications:

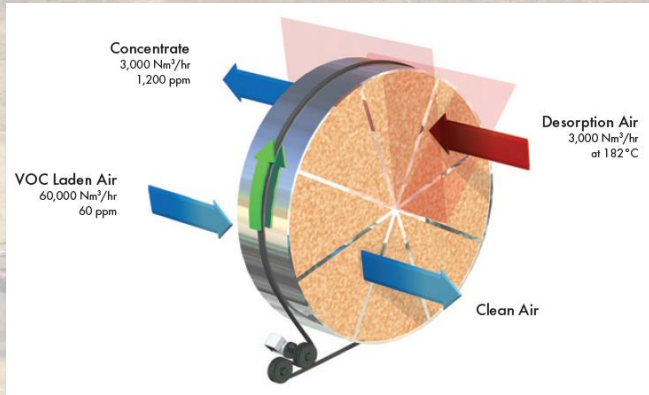
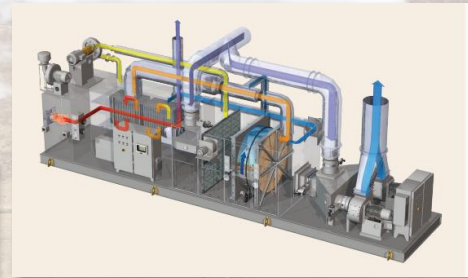
- Fractionation, absorption & extraction

Example of industries:

- Process industries such as petrochemical, refining, chemical, fertilizer & pharmaceutical

VOC Abatement

Removes Volatile Organic Compounds from the air



Benefits:

- Concentrates & effectively abates VOC
- Saves money & energy, as well as helps deliver clean air to the world

Example of applications/VOC concentrating:

- Painting, etching, anodes- & cathodes manufacturing, packaging and printing & surface coating

Example of industries:

- Semiconductor manufacturing, solar cells (electronics), paint shops, lithium batteries, furniture manufacturing, chemicals, rubber and plastic, automotive manufacturing & pharmaceuticals

Sustainability is shaping the future for Clean Technologies' customers

Sustainability

Decarbonization
(Mitigation path)

Emission Cleaning
(Abatement path)

Power

Transportation

Process
(Hard to Abate Industries)



Mission - Deliver Clean Air to the World

Mission

Munters: For Customer Success and a Healthier Planet

Clean Technologies: Deliver Clean Air to the World

Strategic Levers

Grow in renewable power generation



Strengthen footprint in sustainable transportation

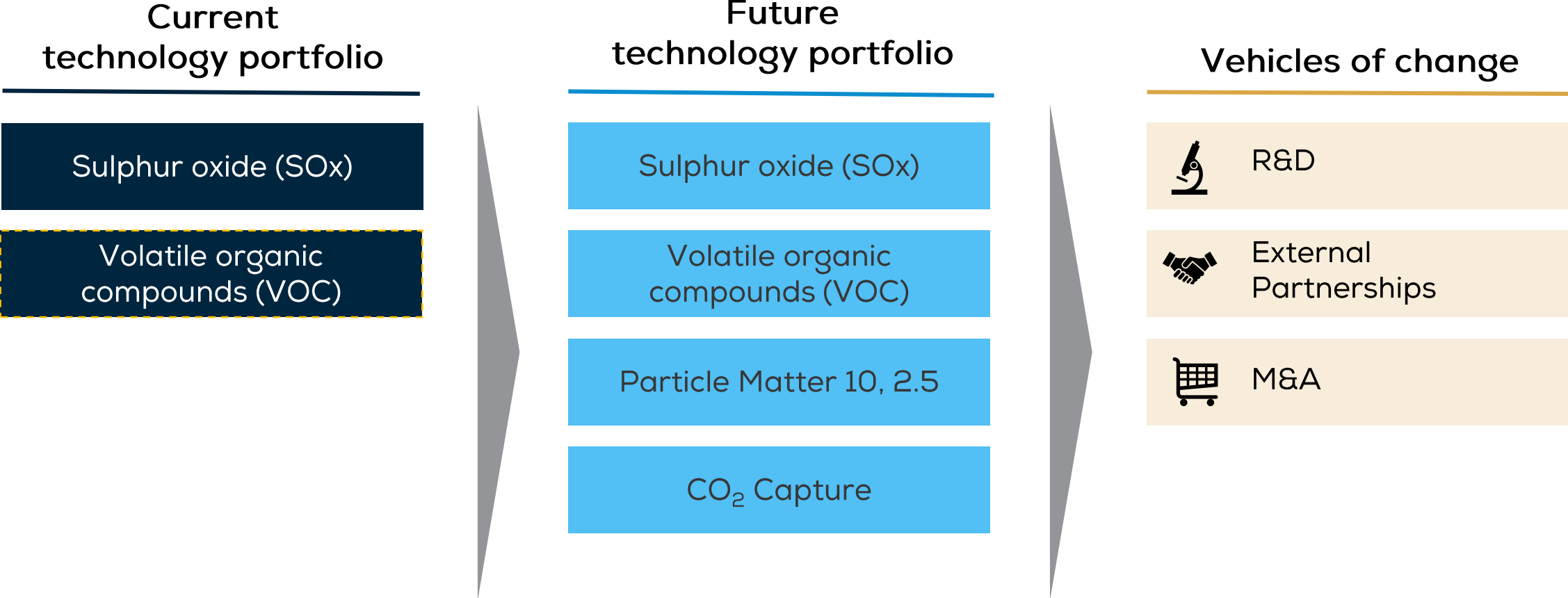


Grow in Process industry (Hard-to-abate industries)



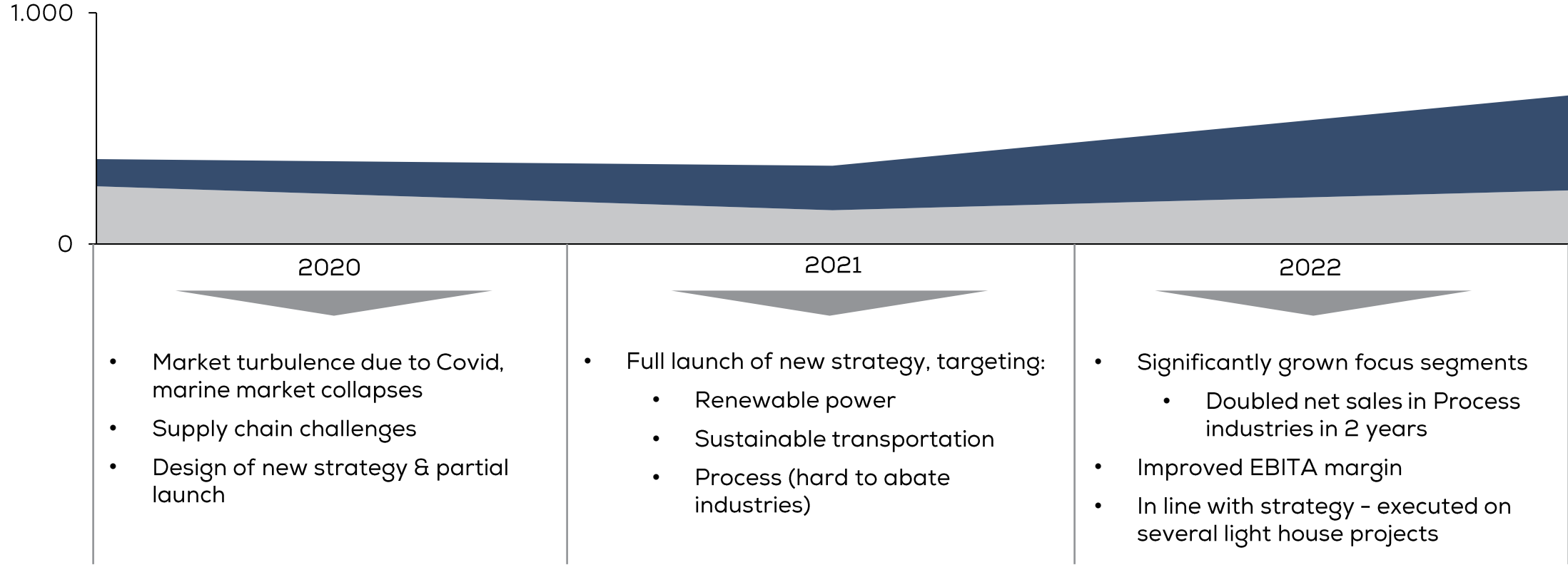
Add new abatement technologies for target industries

Different vehicles of change used to broaden Clean Technologies' product portfolio footprint



On the journey of transforming Clean Technologies

Net sales (MSEK)



- Market turbulence due to Covid, marine market collapses
- Supply chain challenges
- Design of new strategy & partial launch

- Full launch of new strategy, targeting:
 - Renewable power
 - Sustainable transportation
 - Process (hard to abate industries)

- Significantly grown focus segments
 - Doubled net sales in Process industries in 2 years
- Improved EBITA margin
- In line with strategy - executed on several light house projects

Case studies

- Waste-to-energy, Singapore
- Semiconductor production, USA
- E-fuel production, Chile



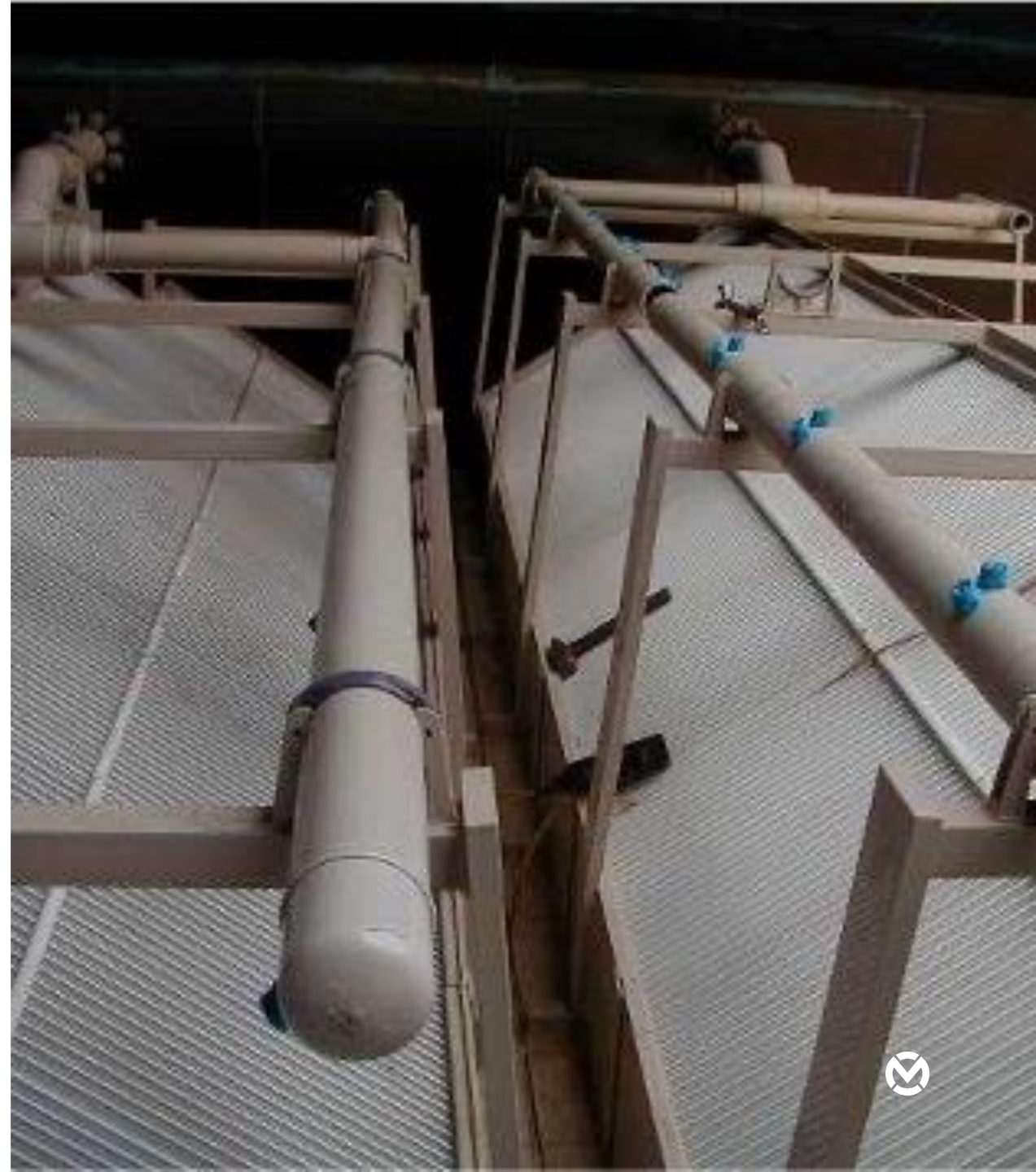
Waste-to-energy process, Singapore

Munters treats SO_x emissions within waste-to-energy

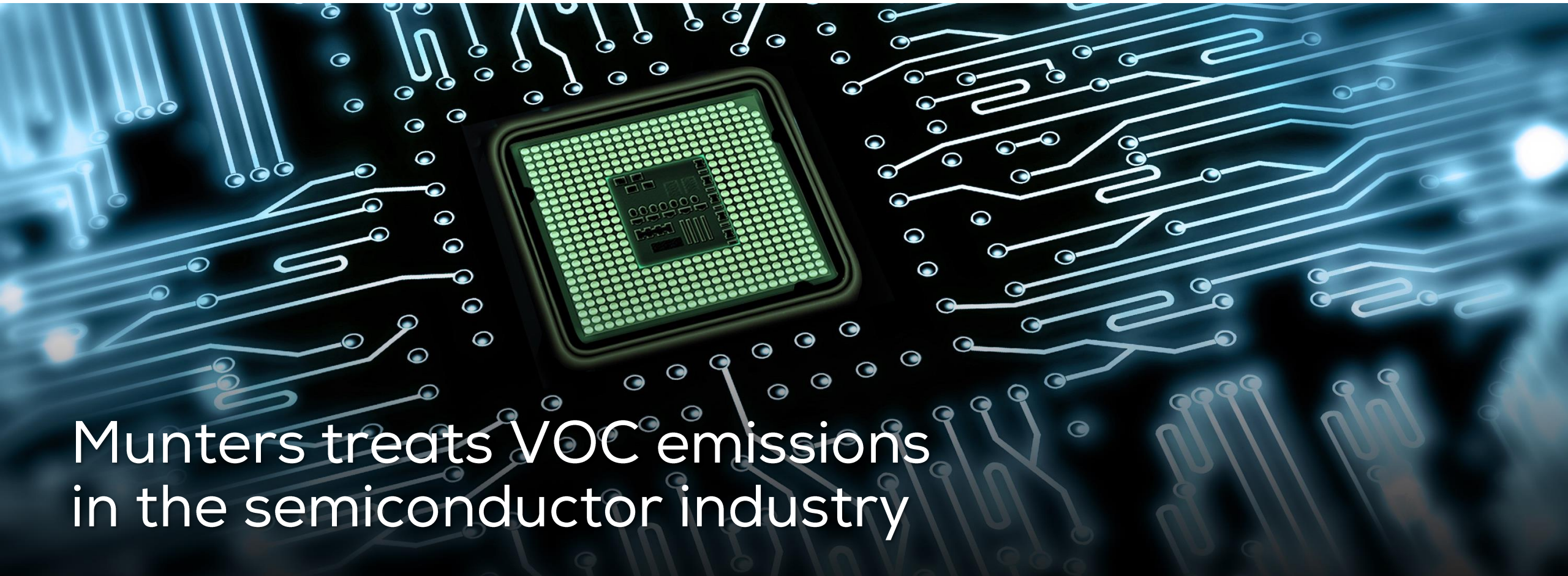


Waste-to-energy process, Singapore

- Two main pollution abatement streams:
 - HCL scrubbing
 - SO₂ scrubbing
- Mist eliminators needed in both streams to prevent droplets in the exhaust of the scrubbed gas streams
- Tailor-made equipment based on Munters mist elimination technology provides the high performance with low energy consumption needed for the process to meet local environmental pollution abatement limits
- To be delivered in 2023



Semiconductor production, Arizona, USA



Munters treats VOC emissions
in the semiconductor industry

Semiconductor production, Arizona, USA

- Solvents must be treated before being exhausted into the atmosphere for safety and regulatory reasons
- Large volumes of air at low VOC concentrations make treating the solvents challenging and expensive
- The solution must fit into an existing open footprint and requires 24/7 uptime
- Munters provided a single skid RCTO (Rotor Concentrator with Thermal Oxidizer)
- High-performing solution that consumes 40% of the energy needed for the alternative technology



E-fuel production, Chile



Munters supports cutting-edge e-fuel production

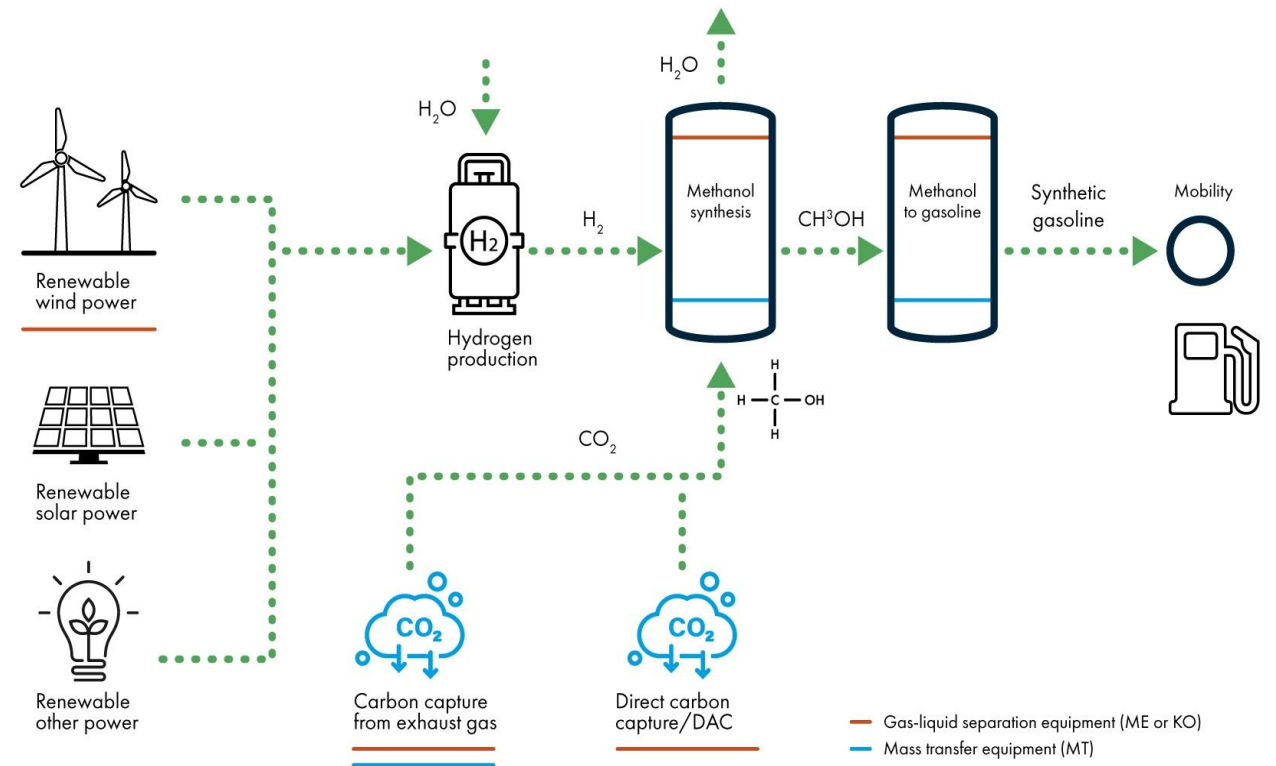
E-fuel production, Chile - background

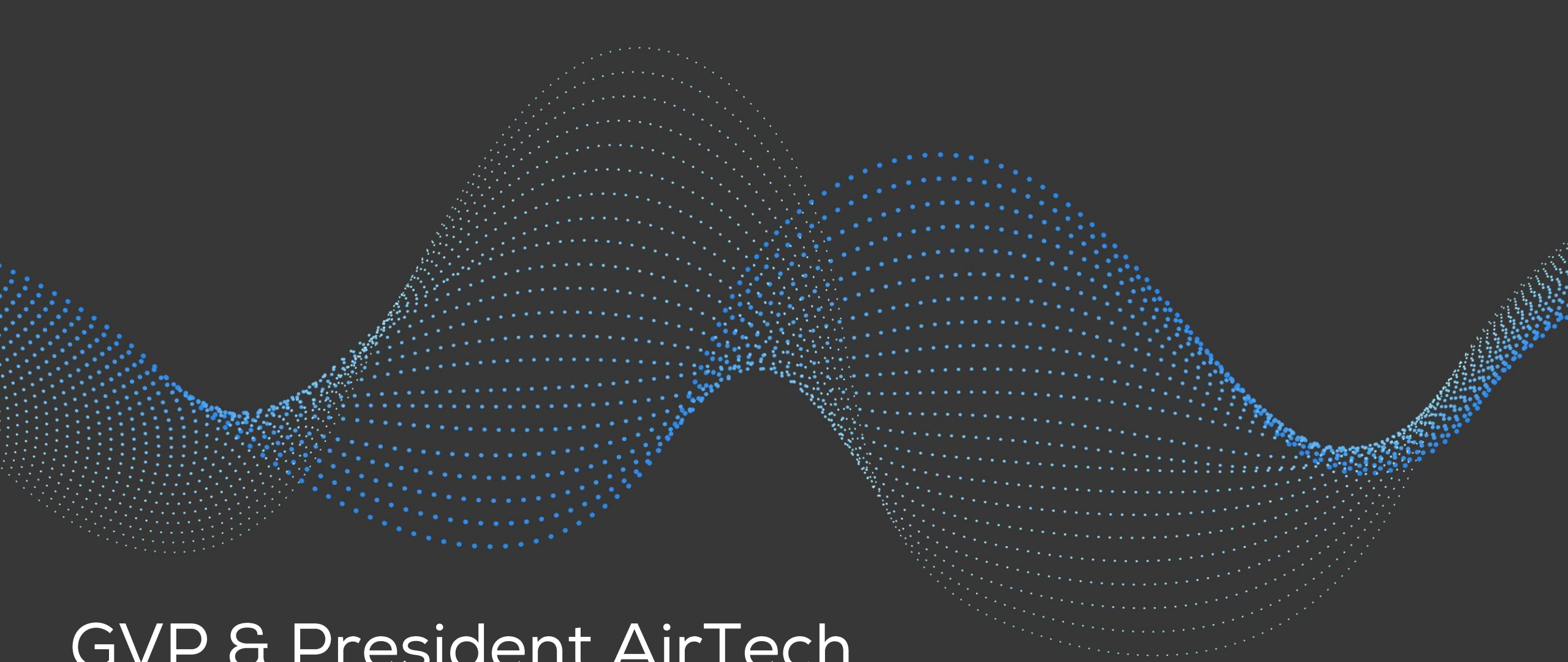
- World's first e-fuel demonstration plant in Haru Oni, Chile
- Project started: July, 2021.
First fuel delivery: December, 2022
- 130,000 litres of e-fuel will be produced in 2023, scaled up to 55 million litres in 2024
- Munters mist elimination equipment part of the project



E-fuel production, Chile

- The plant uses Global Thermostat's (GT) direct air capture equipment & Munters mist elimination equipment to harvest climate-neutral CO₂ as part of the overall e-fuel generation process
- Munters gas-liquid separators:
 - separate liquids & gases
 - which enhances process productivity, lowers emissions & helps reduce customers environmental footprint





GVP & President AirTech,
Henrik Teiwik



Clean Technologies - a prioritized area for Munters



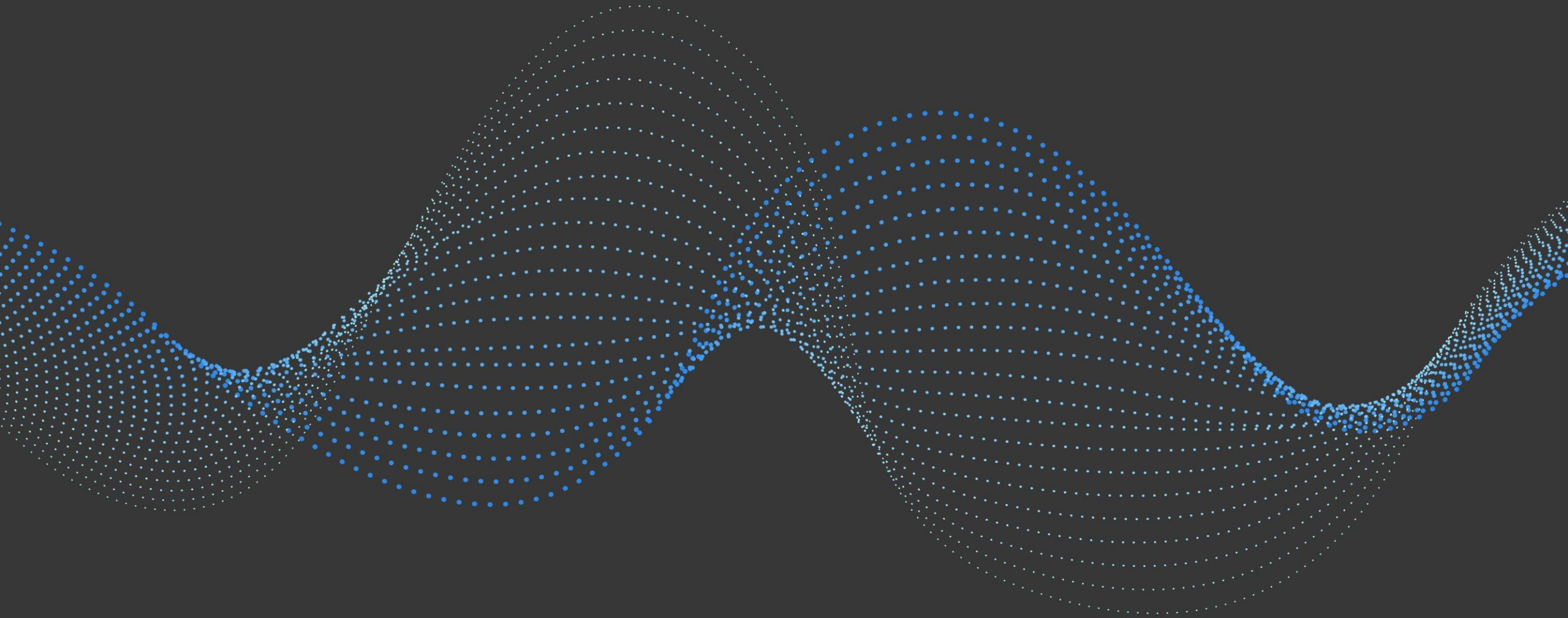
Solid starting point



Clear strategy going forward



Successful move from legacy segments into new growth segments



Q & A



Contact details Investor Relations

Ann-Sofi Jönsson

Vice President, Head of IR & ERM

E-mail: ann-sofi.jonsson@munters.com

Phone: +46 73 025 10 05

Line Dovärn

Director Investor Relations

E-Mail: line.dovarn@munters.com

Phone: +46 73 048 84 44

<https://www.munters.com/en/investor-relations/presentations/>

