

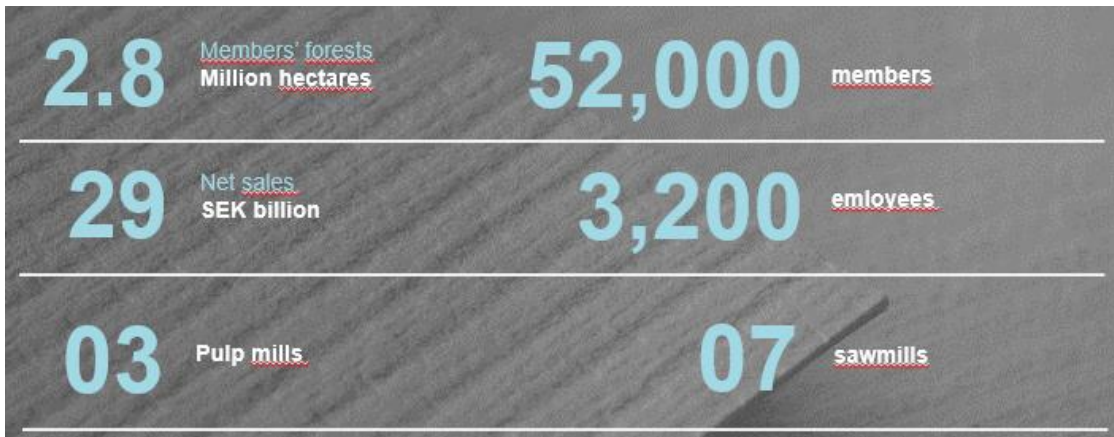
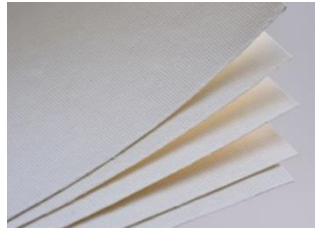
Carbon Capture as a Driver of Transformation in the Forest Products Sector



Andreas Hörnfeldt
Head of New Business

Svante

Jouni Martiskainen
Project Development Manager



Svante



Leader
in solid sorbent CO₂ capture technology

Employees
Over 250+ employees

4 Demonstration Plants
In operation

US\$600M+
capital raised to date

18+ Years
of company history of CCS innovation
with >100 global patents/applications

3 Business Units
OEM & Design, Solutions & Digital
Services, Development Company



Södra's product areas



Biochemicals



Biofuels



Biomaterials



Building systems



Dissolving pulp



Electricity



Heating



Paper pulp



Seedlings



Wood products

Södra's production units

Mönsterås

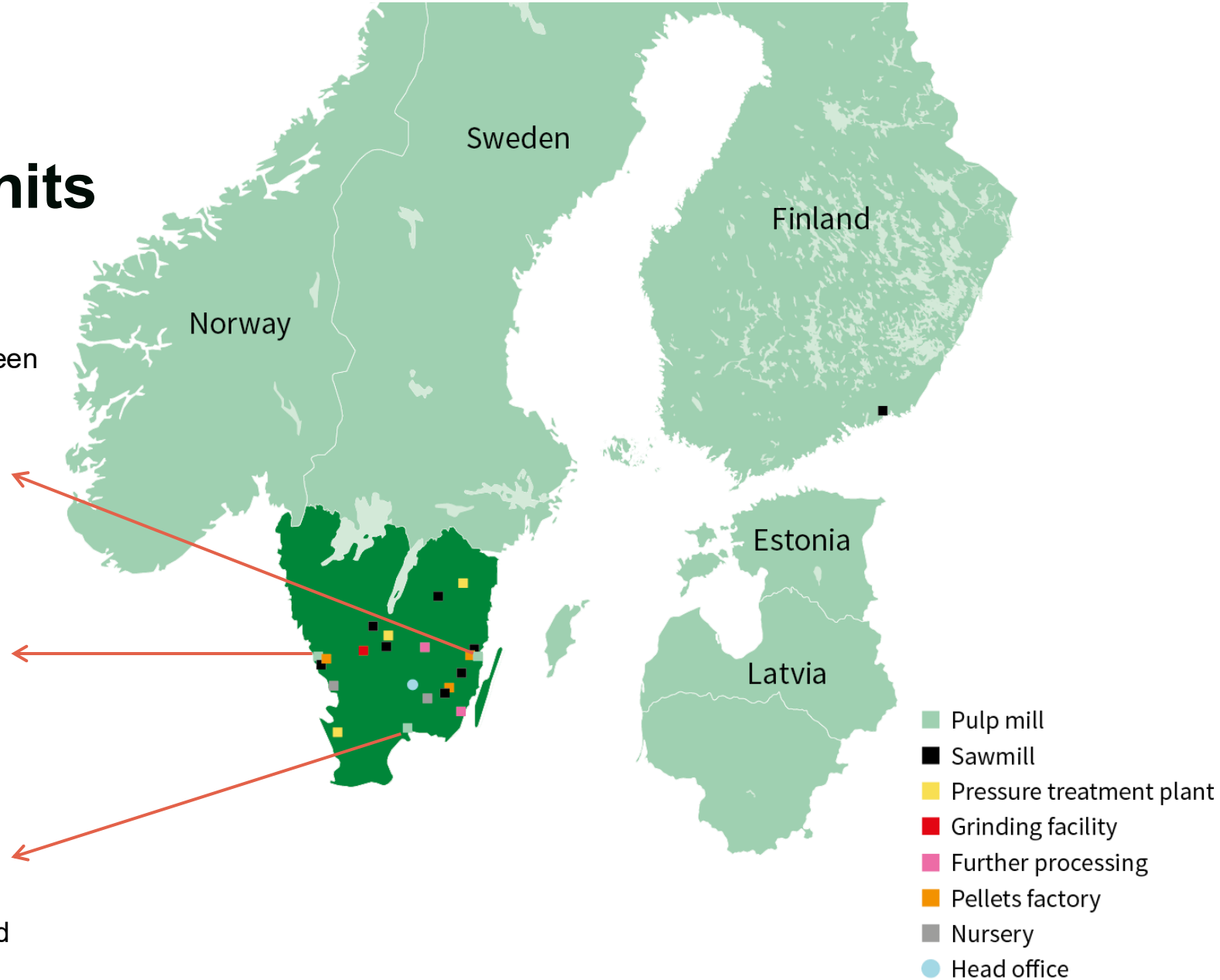
Products: TCF softwood and hardwood pulp, green electricity, district heating, biomethanol, tall oil, turpentine and biomass
Capacity: 750,000 tonnes per year

Värö

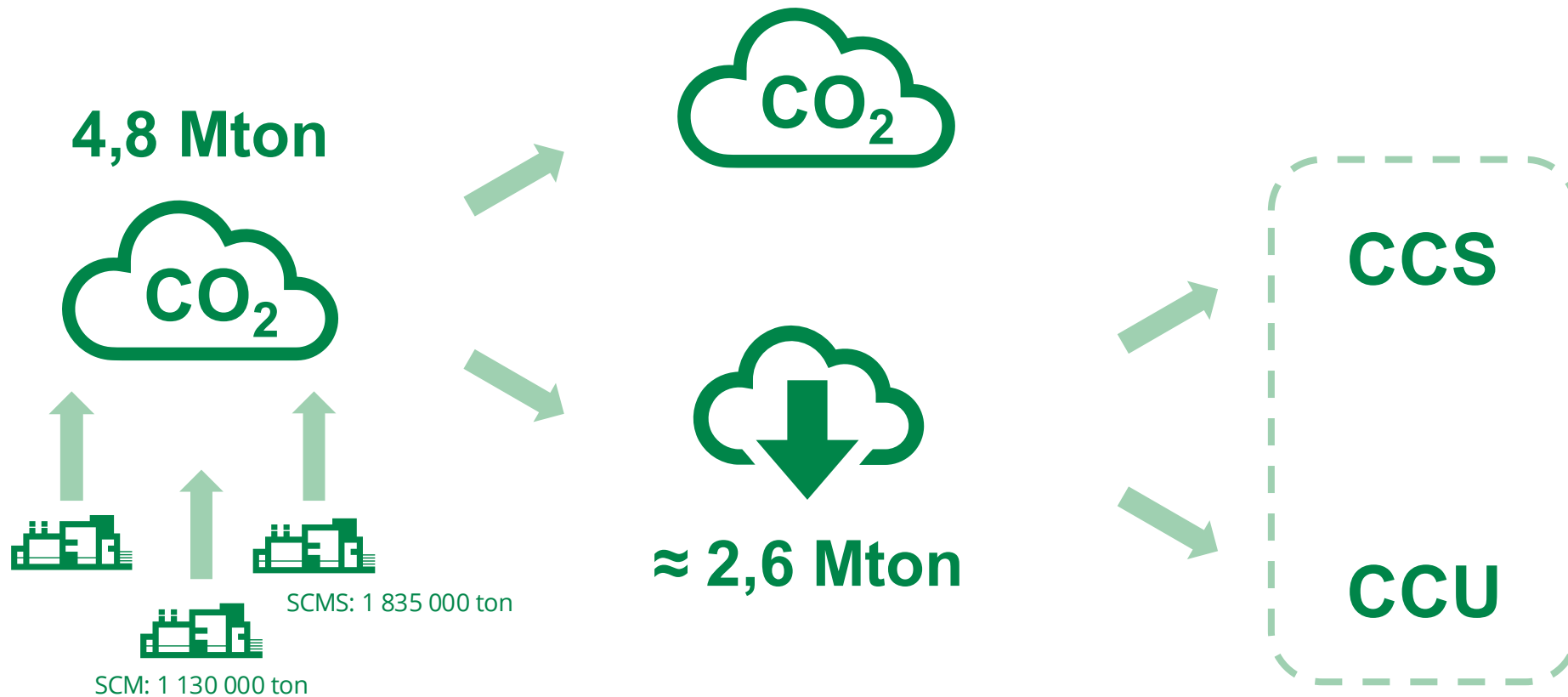
Products: Mainly ECF softwood pulp (TCF upon request), green electricity, district heating, tall oil, turpentine and biomass
Capacity: 800,000 tonnes per year

Mörrum

Products: ECF paper pulp and dissolving pulp, green electricity, district heating, tall oil, turpentine and biomass
Capacity: 300,000 tonnes per year of softwood paper pulp, 170,000 tonnes per year of hardwood dissolving pulp



Södra's interest in CCUS



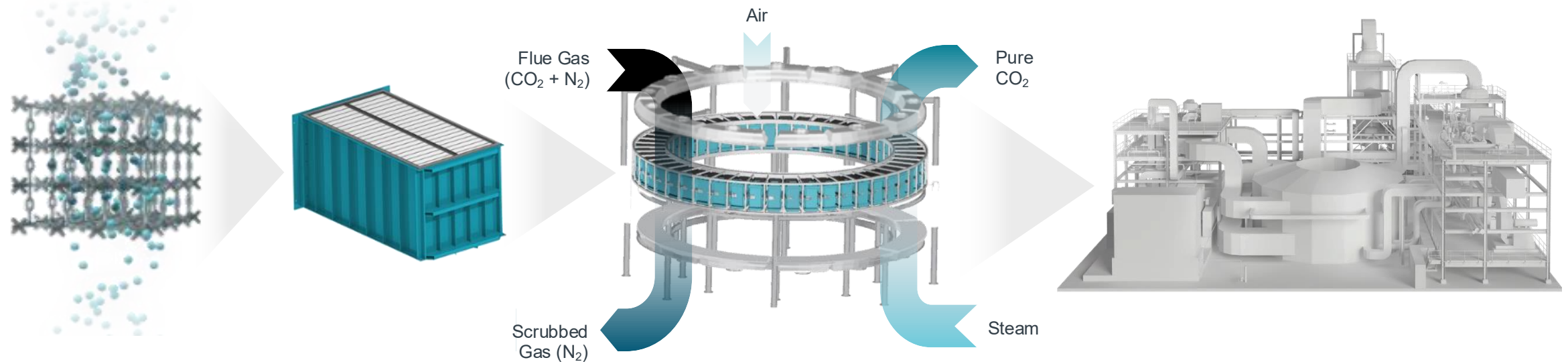
Svante's Modular Industrial CO₂ Capture System

Metal-Organic Framework (MOF)

Filter Beds

Industrial Rotary Contactor

Samsung Modularized Carbon Capture Plant



Environmentally Friendly

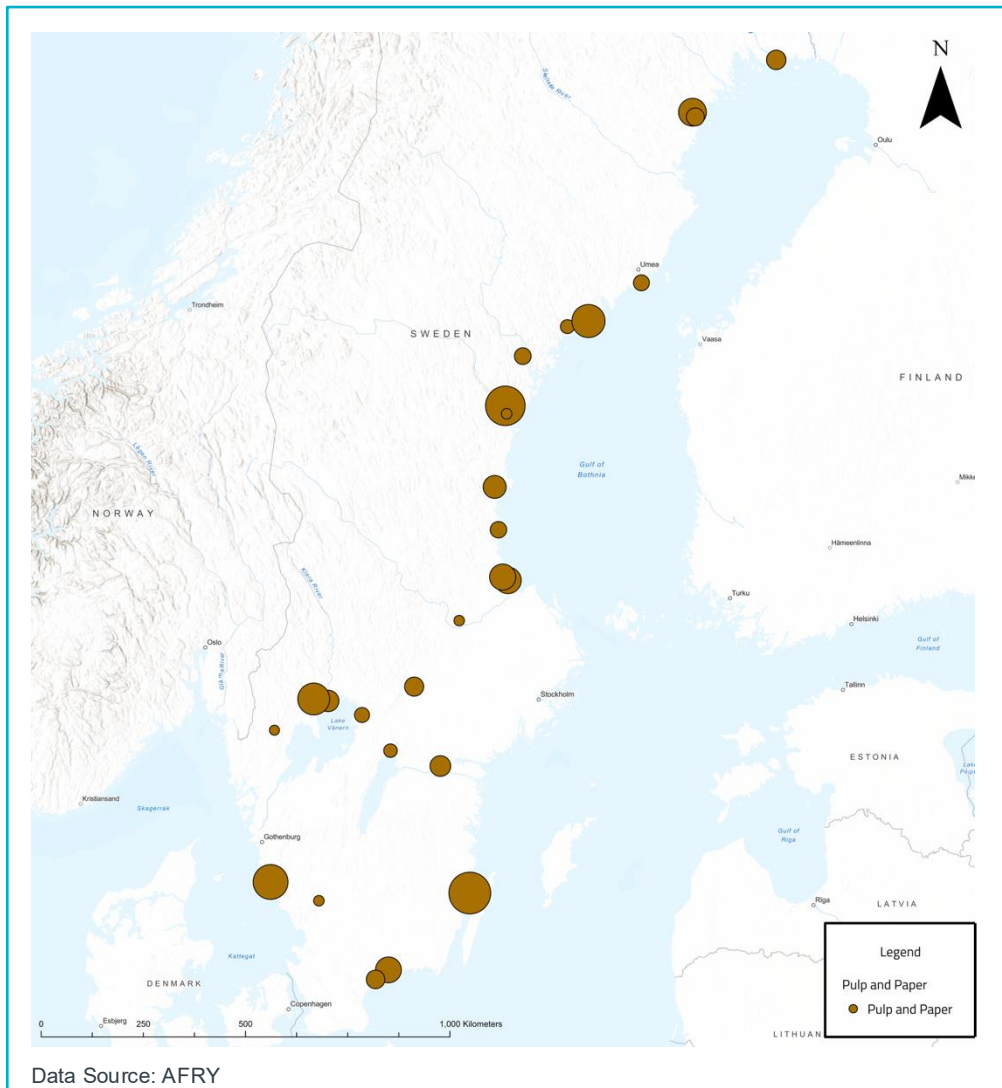


Simple & Robust



Low-Grade Heat Utilization

Swedish Pulp & Paper Advantage



- 16 of 26 mills are located on the coast (potential offshore storage) averaging 1.4 mtpy of emissions for a **total of 22 mtpy**
- Using € 250/t CO₂, this represents annual revenue potential of > € 5.5 billion
- Many global P&P mills do not have access to storage, giving Swedish coastal mills a distinct advantage
- A competitive region such as the southern US has 20 mills with potential onshore storage, averaging 1.1 mtpy for a **total of 22 mtpy**
- Large, modern Swedish mills have excess steam and export power, but many southern US mills do not have excess hog boiler capacity, power generation, or low-carbon-intensity electrical grids
- Strong government (reverse auction, EU IF) and private (CDR) support

Svante Advancing Carbon Capture Projects

Mercer International:

Peace River, AB, Canada
NBSK Pulp Mill

- Pulp mill recovery boiler application
- Aims to capture up to 500,000 tonnes of CO₂ per year
- Pipeline to onshore storage
- Project expected to advance to FEED Q2 2026
- Project jointly developed by Mercer and Svante

Confidential Partner:

Southern USA
Kraft Linerboard Mill

- Pulp mill recovery boiler application
- Aims to capture more than 500,000 tonnes of CO₂ per year
- Pipeline to onshore storage
- Currently in FEL-2 (pre-FEED)
- Project jointly developed

Carbon Alpha:

Meadow Lake, SK, Canada
Biomass Power (BECCS)

- Developed in partnership with regional indigenous group, Meadow Lake Tribal Council
- Aims to capture up to 134,000 tonnes of CO₂ per year from an existing biomass power plant
- Pipeline to onshore storage
- FEED 2026
- FID expected Q1 2027

* FUN FACT: Svante's technology is the first to operate pulp mill recovery boiler demonstration units *simultaneously* on 2 different continents

Mobile Demonstration Unit (MDU)



- MDUs currently running at Södra and Mercer International
- Process cycle within the pilot is identical to full scale commercial design
- Pilot will demonstrate CO₂ product purity, process stability, and MOF filter durability ***specifically*** on kraft recovery boiler flue gas
- Operation will show the ease of operation with a short 60 second process cycle and that high efficiency carbon capture is possible without toxic waste or fugitive emissions
- Technical performance is built upon years of proven capture experience in piloting (up to 25 tpd) in oil & gas, cement, and now pulp and paper
- MDU is typically on site for 6 months, MDUs to be redeployed Q4 2026

Integrated Pulp Mill Carbon Capture: Economically Viable Path For Forest Product Companies to Continue Sustainability Leadership



Andreas Hörnfeldt
Head of New Business
andreas.hornfeldt@sodra.com



Jouni Martiskainen
Project Development Manager
jmartiskainen@svanteinc.com