

SOLUTION: EKOLUTION'S HEMP INSULATION OFFERING IS LEADING IN TERMS OF PRODUCT PERFORMANCE, SUSTAINABILITY, COSTS AND CIRCULARITY











Ekolution's
products have
better insulation
performance than
traditional
materials

7-10%

...lower energy consumption for buildings with Ekolution's insulation installed Ekolution
outperforms
competitors on CO₂
emissions with CO₂
negative products

8x

...lower <u>climate</u> <u>impact</u> due to CO₂ sequestration vs. non-organic materials (per kg material) **Ekolution's**production costs
 will be lower vs
non-organic when
produced at scale

25%

...lower production cost

versus competitors when manufactured at scale Ekolution's products are renewable and fully circular

100%

...recyclable material after use Ekolution's
products create a
healthier indoor
climate in buildings

+++

...positive impact
of natural fiber
insulation on
health, working
environment and
air quality

EKOLUTION'S PRODUCTS ARE BASED CO₂ NEGATIVE RENEWABLE MATERIALS AND ARE FULLY RECYCLABLE, CREATING A GREEN CIRCULAR BIOECONOMY

Environmental IMPACT:

- Annual CO₂ Sequestration per factory:
 - 63 000 000 kg CO₂ eq
- 0.54% Sequestrated CO2 emissions from the entire Swedish construction industry

Ekolution uses renewable and recycled materials:

- 1 ha of hemp binds between 15-20 ton of CO₂ - In 100 days
- Hemp fibers grown with no pesticides and few fertilizers
- Binder made from recycled materials
- Food industry graded flame retardant

Growing

ekolution[®]

Hemp is grown through organic, toxic-free and CO₂-negative process

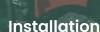
Recycling

Hemp fibre is recycled after consumption or demolition



Harvesting

Hemp is harvested after 100 days



Climate smart **Ekolution insulation is** installed in the building



Delivery

to construction site



Transport

Hemp bales are transported to processing plant



Refinement

Hemp stems are refined into fibers



Experts in natural buildings



Finished product

Finished CO₂- negative home insulation that has positive health effects

EKOLUTION - INVESTOR / BOARD

- COLLECTIVE OF INVESTORS WITH EXPERIENCE FROM CONSTRUCTION, PROPERTY DEVELOPMENT AND AGRICULTURE



Gunnar Hagman Chair Ekolution / Investor, Hagman Green Business



Rickard Dahlberg Investor / Board, South Bay Evergreen AB



Johan Frenckner Investor / Board, Longrun Capital



Johan Karlsson Investor, Slättö Förvaltning / Neptunia Invest

Erfarenhet:













Erfarenhet:





Ludvig Friberger Investor / Board



Henrik Jönsson Investor / Farmer



Niklas Knöppel Investor / Serie Entrepreneur



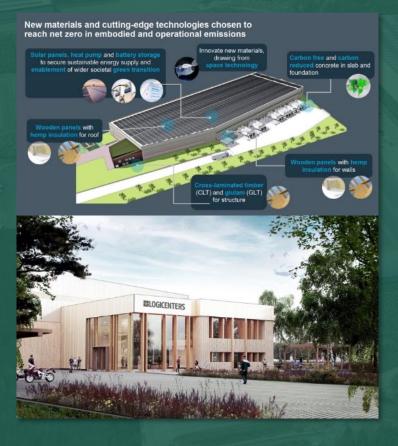
Boel Rydenå-Swartling Board

EKOLUTION WAS FOUNDED IN 2013 AND IS FULLY OPERATIONAL SINCE 2021, WITH SEVERAL UNIQUE, CERTIFIED AND STANDARDIZED PRODUCTS INSTALLED ACROSS SWEDEN

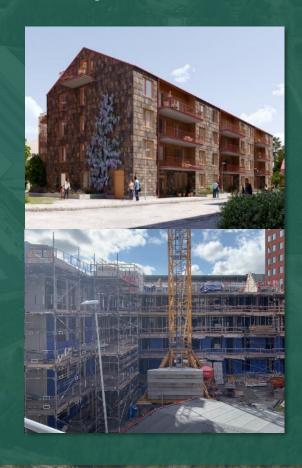
Sweden's largest parking house in wood and hemp, Malmö (2022)



World first net-zero carbon warehouse, Stockholm (2023)



Public Housing, Malmö by MKB (2023)



CAPITAL STRUCTURE - Bridge Financing

Q4 2023 - Q1 2025

EKOLUTION FACTORY - STAFFANSTORP

| INVESTMENTS | Amount | Status |
|----------------------|------------|---------------------|
| Machine Park (CAPEX) | 12.65 MEUR | Financing completed |

| WORKING CAPITAL | | 11111111 | |
|------------------|----------|----------------|--|
| Liquidity (OPEX) | 3.2 MEUR | Capital Needed | |

| SECURED FINANCING Total | 13,83 MEUR | Completed |
|-------------------------------------|------------|-----------|
| SEED (2023 Feb) | 1.03 MEUR | Completed |
| SERIES A (2023 Aug) | 5.30 MEUR | Completed |
| APPROVED GRANT (max 8.09 MEUR) 60 % | 7.50 MEUR | Completed |

Resulting Capital Ask – Bridge Financing

| WORKING CAPITAL | 2.03 MEUR | 144 |
|-----------------|-----------|-----|
|-----------------|-----------|-----|

TIMEPLAN

2023

31 th August - 1st downpayment to machine manufacturer.

1st september - Funds from klimatklivet (Grant) available

31 th September - 2st downpayment to machine manufacturer.

2024

Q1 - Working capital

Q1 - Payment to release the machines / delivery

Q2 - Installation of machine park

Q3 - Comissioning and Calibration

Q4 - Production start and full execution of machine park

2025

Full production

INVESTMENT HIGHLIGHTS

- Problem: Buildings account for 12% of EU emissions (Scope 1).
- Better insulation is a key lever for CO₂ abatement for buildings. However, conventional insulation (mineral wool) cause significant CO₂ emissions in production.
- European construction insulation is a ~8 BEUR market and growing ~10% CAGR.
- Solution: Ekolution is positioned to transform construction insulation with its high-performance CO₂ netnegative hemp fiber insulation (300% better climate impact, renewable and fully circular).
- Most of Ekolution's performance metrics score at or above conventional insulation (energy performance, work environment, etc.)
- Ekolution was founded in 2013 and is fully operational since 2021 with several unique, certified and standardized products installed in buildings across Sweden.
- However, due to the current contract manufacturing setup, Ekolution's current cost performance is not fully competitive vs. conventional insulation.
- A pre-seed round was closed in Q1 2023 to onboard key Board and Advisory team members.
- This round's funds will be used to build a first-of-its-kind integrated hemp fiber insulation plant in Sweden, to be up and running in 18 months, taking Ekolution to >350 MSEK revenue capacity at >25% operational margin.
- The plant will position Ekolution's product as the most cost-effective insulation on the market, while generating significant CO₂ capture (60k ton CO₂ e / year / plant).
- In the next 3-5 years, Ekolution plans to scale its production footprint to 4-6 plants across Europe with similar financial and CO₂ performance as the first plant, taking Ekolution to 3-5% market share in key markets.