



# Creturner

fast carbon returner

FAST  
EXACT  
PERMANENT

INFORMATION FOLDER  
CRETURNER

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The market has changed character.  
Climate compensation has turned into a competitive necessity.  
Companies have realized that words must be replaced by action. Creturmer's solution is fast, accurate and permanent as well as scalable and value-creating

## Creturner – part of the future solution to the climate challenge

CLIMATE COMPENSATION HAS TRADITIONALLY consisted of growing new trees. An important measure, albeit uncertain. Creturner offers climate compensation that is fast and permanent. Companies and private individuals can directly compensate for their climate footprint.

Creturner converts biomass, which would otherwise be released into the atmosphere, into biochar that receives a permanent warning. The method is called bio-CCS (Carbon Capture and Storage) and deals with the separation and storage of carbon dioxide.

Creturner's commercial facility for the industrial process of binding carbon to its natural basic form, thereby reducing the proportion of carbon dioxide in the atmosphere, is located in Sweden the town of Smedjebacken in the region of Dalarna.

Creturner offers its customers to offset their climate footprint quickly, efficiently and permanently.

Regulations and sustainability trends pressure companies to reduce their climate footprint and compensate for the emissions they cause. Creturner offers an easy-to-understand product that accurately reports the effect of climate compensation. An exact weight of bound carbon is reported in connection with purchase.

The facility in Smedjebacken is prepared so that an on-site expansion can be carried out easily. The business is also scalable, which means that expansion in other locations can be carried out. The expansion model has no real outer limit.

Creturner already has ongoing agreements on climate compensation with a number of companies and is in discussions on a broad front with potential future customers.

Creturner is part of the entrepreneur-driven and solution-oriented greentech sector that wants to see a change and is helping to create a change

See Creturner's VR film here:

<https://www.appstarsweden.com/Creturner/>

## Fast, accurate and permanent. Creturner's journey has begun

IT DOESN'T AVOID ANYONE that the world is facing a real challenge when it comes to climate change and to reach the set global climate goals that are part of the Paris Agreement. How the planet is doing is something that affects us all. We are in the middle of a time where good ideas and action are required from several quarters for the world to successfully achieve the goal of limiting the global temperature increase to below two degrees (with an aspiration to limit it to 1.5 degrees). Already today, around the world we see events linked to climate change in the form of, for example

drought, extreme heat and melting ice caused by, among other things, the high levels of carbon dioxide. Major measures are required. The pressure on companies from customers and partners, who preferably choose companies that contribute to sustainable production, is increasing rapidly. A commitment to sustainability is required to succeed in competing with other players. Sustainability is an important aspect for almost all industries and is today a decisive means of competition.

Creturner has developed a model that uses an industrial process where carbon is continuously bound to its basic form. Carbon that is in a naturally active environment takes about 3,000 years to be absorbed by nature, which can be compared to the most common climate compensation of today, the cultivation of trees,

which has a significantly shorter cycle and also takes much longer to materialize. Creturner's process is instant. That being said, there is no counter-relationship to continuing to plant trees, which is a very good thing. But Creturner has a more efficient solution for climate compensation.

The Creturner model entails climate compensation that is fast, exact and permanent. For the benefit of the earth and all companies and organizations that want to contribute to a reduced proportion of greenhouse gases and at the same time show their customers and partners that they act and take responsibility.



Creturner gives everyone an opportunity to quickly and easily contribute to an improved world when it comes to emissions and elevated world carbon dioxide in the atmosphere. We offer companies and organizations a final disposal of the carbon from the ecosystem.

What we have created is a scalable business idea that not only benefits all living things on our earth, but also a tool to facilitate the goal for companies to become climate neutral. Creturner's business concept has no geographical barriers but can be scaled up anywhere and we are equipped for rapid expansion. Trading in emission rights has been calculated (\*) to be worth 50 billion dollars in 2030. An indication of the path the company has ahead of it. Creturner must contribute to change through a proven and safe method.

All of us who are today at the Company, the development team, the management, the board and myself are ready to fulfill our expectations for the journey we have ahead of us.

A handwritten signature in blue ink, reading "Joakim Erlandson". The signature is fluid and cursive, written on a white background.

JOAKIM ERLANDSON • CEO CRETURNER

## Creturner's strengths

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- **Creturner** has a scalable solution today. Customers join and Creturner can expand the solution in step with the increasing business. Scalability is not limited to any geographic area.
- **Creturner's** operations will be cash flow positive in 2023. Turnover will increase sharply in the coming periods.
- **Creturner** solves multiple problems that are concrete and realistic for customers, the supply chain and the environment with a mutually beneficial solution.
- **Creturner** is right in time with the increased interest from companies, authorities and individuals to go from words to real action.
- **Creturner's** solution is unique and offers a fast, fact-driven alternative to the prevailing slow, expectation-driven solution of tree planting.
- **Creturner** can deliver real results and has very good future prospects with a stock market and growth experienced management focused on delivering recurring sales, cash flow positivity and results.

### Miscellaneous:

- **Creturner** can generate environmentally friendly electricity through energy recovery.



# Business & market



## Operation

CRETURNER'S BUSINESS IS BASED ON offering companies, organizations and private individuals a quick, efficient and permanent compensation for the climate footprint they create. In the factory, which is located in Smedjebacken, biomass is converted through a process into biochar which is finally stored and thus removed from the ecosystem. The method is called bio-CCS (Carbon Capture and Storage) and deals with the separation and storage of carbon dioxide.

The Road Selection Investigation states in the report\* "First, second, third... Proposal for the design of a support system for bio-CCS" from 2021 that the realizable potential for bio-CCS in Sweden alone amounts to at least 10 million tons per year in a 2045 perspective, and that bio-CCS has good conditions to become a cost-effective measure to reach the long-term climate goal of net zero emissions by 2045 at the latest.

The company already has a functioning sales organization in place that is based on both internal and external sales force. Today, the company works with a number of well-established brands and a number of in-depth dialogues are held between the company and intended customers.

Creturner's corporate customers can choose between climate compensation for their own climate impact or letting their own customers use the climate compensation as an additional service. Regardless of the client, the climate compensation is fast, efficient and permanent.

When Creturner sells a climate offset, this offset is converted into biochar that can be measured for a precise offset in relation to the climate footprint. For example, a car journey between point a and point b that results in emissions of one ton of carbon dioxide corresponds to 272 kilograms of carbon. Creturner creates the biochar for final disposal.

Today, tree planting is often used as climate compensation. Something that Creturner has seen a problem with and has identified distinctively problems with this standard model. Tree planting takes too long, it is based on a calculation estimate and it is temporary. The trees that really survive and bind Co2 will one day die and thus return to nature, Co2 returns to the atmosphere, it is a biological form of Co2 loan in the long term. Creturner's model, which uses an industrial process where carbon (C – Carbon) is continuously bound, fixes the mentioned problem and gives customers a better functioning climate compensation.

## Market

Climate compensation has been a means of competition for business for many years. There are both moral and business incentives to offset the climate footprints that are created. Being able to offer effective compensation provides competitive advantages for Creturner as well as for customers operating in competitive markets. The market for Co2 offset (climate compensation) is increasing sharply. According to a 2021 Mckinsey report, the market is estimated to be worth USD 50 billion by 2030. In 2021, the price of emission rights rose from 30 to 80 euros per ton, an increase of roughly 165 percent, and most analysts seem to agree that the price will continue to rise.

The pressure on companies and organizations will increase every year and it will always be cheaper to compensate for the climate via Creturner than to buy yourself free via emission rights. The market for climate compensation has no specific industry divisions. In practice, all industries have an impact through climate footprint. Creturner's customers can be found in the clothing industry, the travel industry, the car industry, the meeting industry and many other industries.

Creturner is needed, Creturner makes a difference

\* <https://www.energimyndigheten.se/>

# Fast-Exact-Permanent



**Fast-** with Creturmer's model, an industrial process is used where carbon (C – Carbon) is continuously bound to its basic form. Carbon that is in a naturally active environment takes about 3,000 years to be absorbed by nature. In a simplified form, Creturmer can be described as a reverse coal mine, which breaks the cycle. The environment contains too much carbon today, we need to reduce the amount, quite simply. Since Creturmer's process can be run continuously, a large volume is created that is proportional to the size of the facilities and the effect is fast.

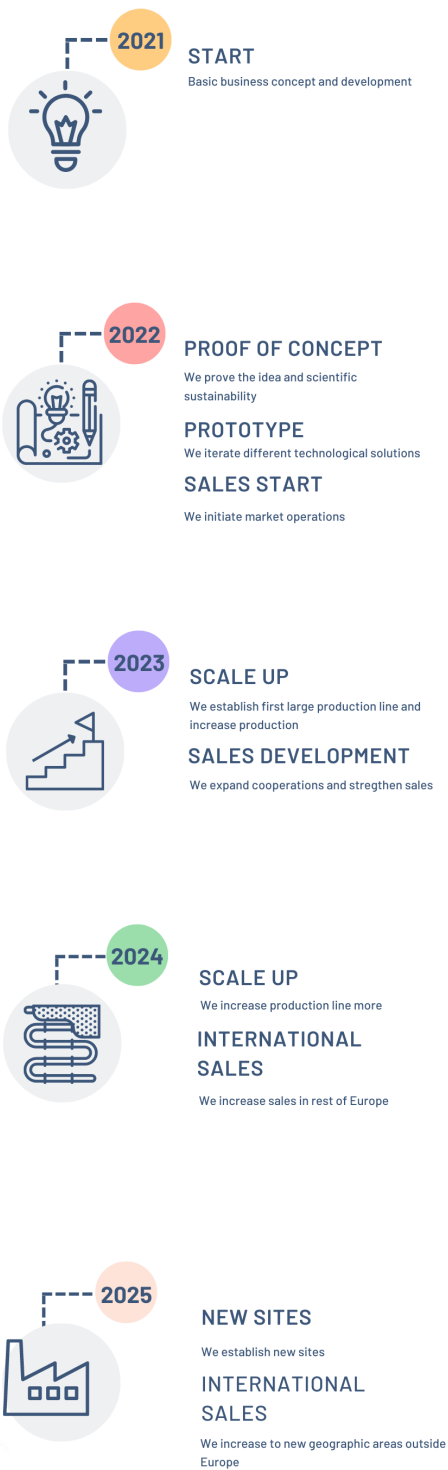


**Exact-** by continuously weighing the dry result, we know exactly how much carbon has been bound in its basic form. There is an exchange ratio with Co2 which is 3.67. For 272 kilograms of carbon, this means that it corresponds to 1 ton of Co2. The uncertainty about the final result of the climate compensation is removed, which means that the customer's wishes can be fulfilled precisely, with credibility and makes the process predictable and calculable.



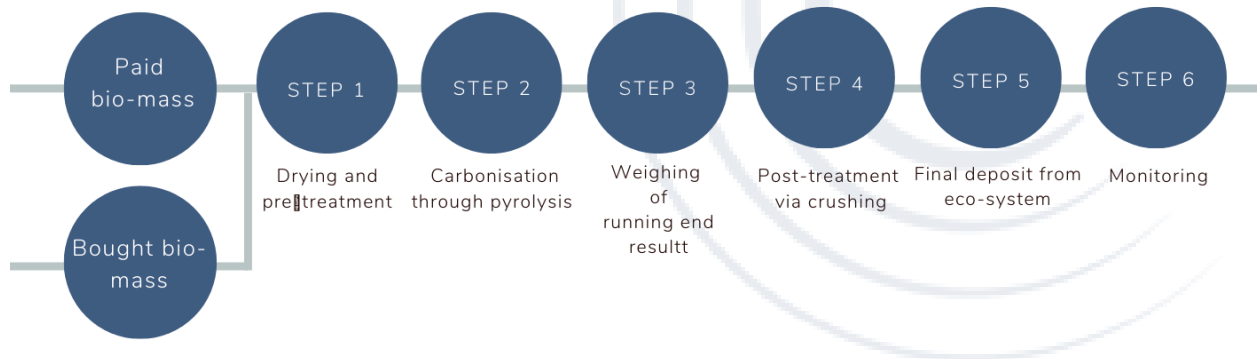
**Permanent-** by breaking the ecosystem's carbon cycle and sequestering the carbon, you actively and continuously reduce the amount of free carbon in circulation that is on its way to the atmosphere. In collaboration with environmental authorities, we work with several different alternatives to permanently store the coal, one way is to deposit it in old mine holes. Investigation is ongoing in that respect, another is to use the coal as runoff barriers from landfills that leak charges. Coal is non-toxic and has shown very good properties when spreading it on both contaminated land, cropland and woodland. It is a natural substance that has good properties for both microorganisms, locking toxins and increased biological productivity.

## ROAD MAP



# Value chains

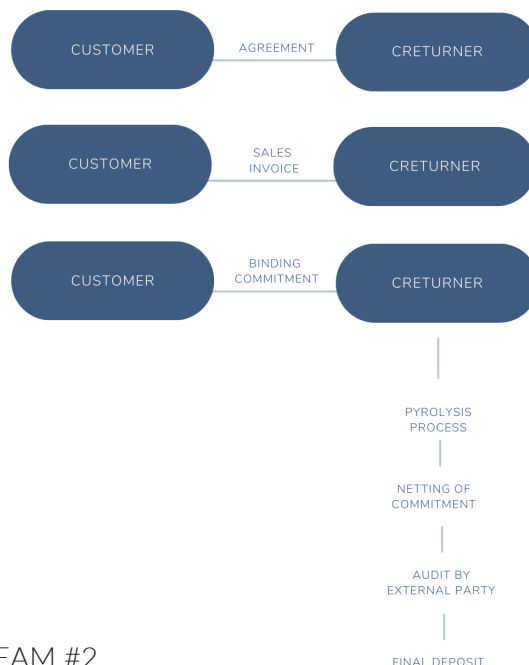
The process of climate compensation for real



## Economic process for climate compensation

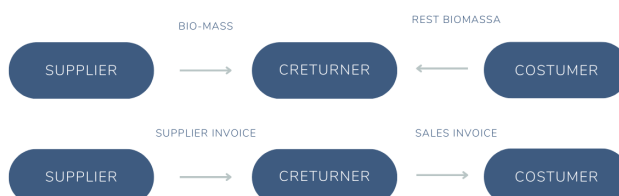
Cretuner has two revenue streams. Sale of climate compensation on advance payment.  
 Receipt of biomass (example in stumps, clean wood waste) against invoice. Purchase of additional biomass for pyrolysis.

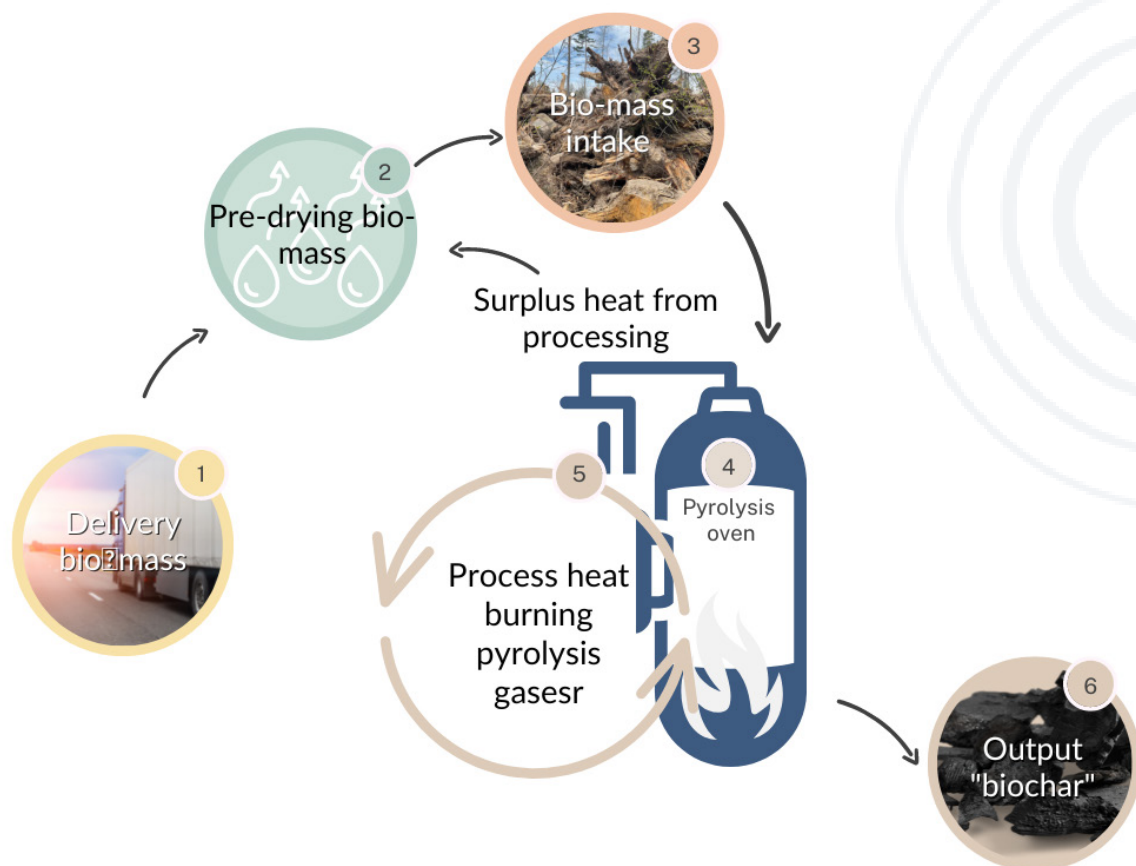
### INCOME STREAM #1



### INCOME STREAM #2

Supply chain





1. The biomass is delivered to our production site, consisting of - Stumps  
- Garden rice/clearing wood/etc - Demolition wood  
- Barch/ forrest residuals  
- Stem wood chips/Dry chips
2. Pre-drying of the biomass takes place with the help of residual heat from the server hall as well as excess heat from the carbonization process itself in designated drying equipment.
3. The dried biomass (<20% humidity) is fed into the Pyrolysis furnace directly from the dryer or collected from a storage location for dry material.
4. In the pyrolysis oven, the biomass is heated to over 400°, which starts the process.
5. During the pyrolysis, gases are formed that serve as fuel as long as new biomass is fed into the furnace, which makes the process self-sustaining.
6. The end result is Biochar with an outcome of approx. 20% of the input biomass.

The excess heat in the process can be used for,

- drying of incoming biomass
- conversion to district heating via a boiler
- conversion to electrical power via a gas engine and generator

See Creturmer's VR film here:

<https://www.appstarsweden.com/Creturmer/>

# The business situation in numbers and comparisons

- Cretuner can deliver increasingly large volumes.
- Cretuner is competitive today, provides strong market position
- Low costs



Cretuner delivers a premium solution



## Co2 offset sales i tonnes /Co2 in 2022

Climeworks.com Iceland pilot anl.	1000 EUR	DAC
CCS Germany (now closed)	40-80 EUR	CCS
Power plant Co2-Capture cost	100 EUR	CCS
Current price EU Co2 trade <a href="https://ember-climate.org/data/carbon-price-viewer/">https://ember-climate.org/data/carbon-price-viewer/</a>	90EUR	
Cretuner the aviation industry	27 EUR	BCS
Cretuner Rest of the World	67 EUR	BCS
Tree planting in the long term	~ 30--50	EUR

The market for Co2 offset (climate compensation) is increasing strongly and according to a Mckinsey report from 2021 it is estimated to be worth 50 billion USD by 2030. Regardless of the amount and level, it will continue to increase, how much depends on many factors such as political commitments, regulations as well as the companies' will and competitiveness in meeting the market's needs.

It should be cheaper to compensate for the climate via Cretuner than to buy yourself free.

## ADDITIONAL INFORMATION

# The ownership, The company, & Corporate governance

## Shareholder

Shareholder Creturner AB      Share of capital and votes, %

Fredrik Skarke, board	17%
Daniel Moström, board	15%
Dage Invest AB	13%
AVAF Invest AB	8%
FAAV Invest AB	8%
Carama Invest AB	7%
Taptum Invest AB	4%
Johan Nyrén	4%
Joakim Erlandson	3%

The company is owned by 47 shareholders and has 6,000,000 shares  
The company made a new cash issue of SEK 5.5 million in 2022, which was registered with the Swedish Companies Registration Office on 03-03-2022



## Corporate aspects

Cretuner International AB is a private limited company, which is regulated by the Swedish Companies Act (2005:551). The company was registered with the Swedish Companies Registration Office on 19 March 2019 with organization number 559200-1415. Objects of the company's operations are to operate in climate compensation and digital services as well as compatible activities as well as own and manage shares. The Company has not been a party to any legal proceedings or arbitration proceedings (including pending matters) during the past twelve months that have recently had or could have significant effects on the Company's financial position or profitability. The Company is not yet affiliated with Euroclear, which means that it is the Board of the Company that maintains the Company's share register. The company's domicile is Dalarna county, Smedjebacken municipality. Annual report and articles of association can be ordered in paper form from the Company or downloaded from the Company's website: [Cretuner.com](http://Cretuner.com)

### **Mail and visiting address:**

Atlasvägen 2, 777 34 Smedjebacken, Sweden

**Email:** [info@cretuner.com](mailto:info@cretuner.com)

**Website:** [www.cretuner.com](http://www.cretuner.com)

### **Definitions**

In this document, the following definitions apply unless otherwise stated: "Company" or "Cretuner" refers to Cretuner International AB with organization number 559200-1415



## Expansion

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Cretuner intends to expand in the foreseeable future with its own production sites, which must be able to be financed with the cash flow from the business. The expansion can take place in stages at locations that have suitable conditions. Decisive for the economic profile for the establishment of a production site is the availability of biomass, transport economics and suitable industrial facilities. The plant does not have to be located in economically well-developed areas, which means that the investment expenditure can be focused on capacity investment. Cretuner will initially be concentrated at the company's facility in Smedjebacken in Dalarna, which will be the heart of the operation. An expansion in Scandinavia then logically follows before an establishment can be made internationally. The need exists throughout the market economy globally and the opportunity to build a facility for Cretuner is open in many places. We only intend to expand in politically stable and safe areas.



# Board & management



## **Joakim Erlandson, CEO**

Stockholm, born 1966. Long experience from activities within the media industry. Experienced in marketing, business plans and building sales organizations. Active as CEO of Börsvärlden Nordic AB with the task of monitoring the stock market and planning listed companies' communication strategy. Former CEO in the media industry with a focus on industry media.



## **Daniel Moström, Chairman of the Board, founder**

Ludvika, born 1971. Civ.ek. 1998, Linköping University. Experience from operations in technology/IT, media, advertising agency, B2C, B2B, finance and management. CEO of listed Xpecunia Nordic AB. Former senior consultant in the purchasing area at EFFSO. Has contact with many large companies at management level. Board member of TopRight Nordic, Hubbster Group.



## **Fredrik Skarke, Member**

Stockholm, born 1972, School of Economics in Gothenburg. Has founded and developed several businesses within surveys, the travel industry and IT as owner and entrepreneur. Is currently operating as an active principal owner of the Taptum Group, which has a broad holding of companies in several industries with a combined turnover of over 2 MDR. Fredrik has a large network of contacts within Swedish business life



## **Patrik Axsäter, Advisor**

Stockholm, born 1977, Civ.ek. 2005, Gothenburg School of Economics. He has over 15 years of experience from banking/finance as well as from a leading position within companies in retail and real estate. Patrik is currently Chief Commercial Officer for Invoier AB. Patrik was previously Head of B2B at Ikano Bank, CEO at Global Factoring AB and is the owner of his own investment company Axsäter & Company AB. He is a board member of Svensk Bolagsfinans och Kreditrådgivning AB, Xpecunia Nordic AB,



## **Michael Willner, CTO**

Ludvika, born 1969. Mechanical engineer 1995 Falun University/Borlänge  
Experience from operations within the steel industry with construction and project management both on the supplier side of machinery equipment and on the customer side on a production site.



## **Thomas Jonsson, Technical consultant**

Ludvika, born 1964, Development manager process and energy for climate compensation.  
Environmental Engineering Engineer 2000, University of Dalarna  
Former KMA responsible for Dalafrakt's transport and construction assignments, experiences from permit and supervision processes on the execution side, development assignments in environmental engineering and various construction projects. Self-employed since 2002.

# APPENDIX - *Financial information*

## Income statement in SEK

	2022-07-31	2023 Prognos
<b>OPERATING INCOME</b>		
Net sales	6 475 000	20.000.000
Activated work for own account	425 750,00	
<b>TOTAL REVENUES OF THE OPERATION</b>	<b>6 900 750</b>	20.000.000
<b>OPERATING EXPENSES</b>		
Raw materials and consumables	-2 563 750	-6.000.000
Other external expenses	-505 863	-6.000.000
<b>TOTAL OPERATING EXPENSES</b>	<b>-3 069 613</b>	-12.000.000
<b>CALCULATED RESULTS</b>	<b>3 831 137</b>	<b>8.000.000</b>

## Balance sheet in SEK / Assets

	2022-07-31
<b>ASSETS</b>	
<b>Fixed assets</b>	
Intangible assets	425 750,00
Tangible fixed assets	6 075 000
<b>Total fixed assets</b>	<b>6 500 750</b>
<b>Current assets</b>	
Inventory, etc	6 475 000
Receivables	842 063
Short-term investments	3 156 420
Cash and bank balances	250 012
<b>Total current assets</b>	<b>10 734 108</b>
<b>TOTAL ASSETS</b>	<b>17 234 858</b>

## Balance sheet in SEK / Liabilities

<b>EQUITY, PROVISIONS AND DEBT</b>	
	2022-07-31
Equity	5 250 275
Long-term liabilities	20 000
Current liabilities	8 172 320
<b>TOTAL EQUITY, PROVISIONS AND LIABILITIES</b>	<b>13 442 595</b>
<b>Estimated result</b>	<b>3 792 262</b>
<b>Total equity and liabilities</b>	<b>17 234 858</b>



Help us  
save the planet

## Cashflow analyses

	2022-01-01 2022-07-31
<b>The ongoing operations</b>	
Operating results	3 831 137
Cash flow from operating activities before changes in working capital	3 831 137
- Increase(-)/Decrease(+) of inventory and work in progress	-6 475 000
- Increase(-)/Decrease(+) in operating receivables	-828 627
- Increase(+)/Decrease(-) in operating liabilities	2 992 310
<b>Cash flow from current operations</b>	<b>-480 180</b>
<b>The investment business</b>	
Acquisition of intangible fixed assets	-425 750
Acquisition of tangible fixed assets	-6 075 000
Acquisition of financial assets	-3 156 420
<b>Cash flow from investment activities</b>	<b>-9 657 170</b>
<b>The financing business</b>	
Rights issue	5 211 400
<b>Cash flow from financing activities</b>	<b>5 211 400</b>
<b>The year's cash flow</b>	<b>-4 925 950</b>
<b>Liquid funds at the beginning of the year</b>	<b>5 186 574</b>
<b>Cash and cash equivalents at the end of the year</b>	<b>260 624</b>



Climate compensation for real

