



GreenGrow

BIOAKTIV® - Highly active fertilizer, natural humus concentrate

Feed the Earth, Harvest the Future, BIOAKTIV® Cultivates a legacy

About GreenGrow

- 02.08.2024 - GreenGrow d.o.o. startup company founded
- Registered for RR&I and production in the field of enzymatic composting d.o.o.
- Patented new method of composting – continuous enzymatic composting
- Owner of EU patent EP24179736.4 - BIOAKTIV® - Highly active natural humus fertilizer
- The company GreenGrow d.o.o. is entered in the Register of Innovative Startups under number R2-227/2024 at the Slovenian Enterprise Fund dated 21.10.2024
- 26.3.2025 Our inventive solution BIOAKTIV - Highly active organic fertilizer, natural humus concentrate, received a gold award at the Call for Inventive Solutions in the Field of Circular Economy for 2024 in the Republic of Slovenia
- 27.09.2025, we have registered a holding company in Austria, Klagenfurt Greengrow FlexCo



GOLD AWARD
for inventive solutions in the
field of circular economy for
the year 2024



Mission of GreenGrow "Science Nurtures Nature."

At GreenGrow d.o.o. we strive to transform agricultural practices with a focus on sustainability, innovation and soil health.

Our mission is to support farmers and gardeners in achieving higher yields by using natural, environmentally friendly solutions such as BIOAKTIV® – a highly active humus fertilizer that improves soil fertility, reduces environmental impacts and enables long-term sustainable farming.

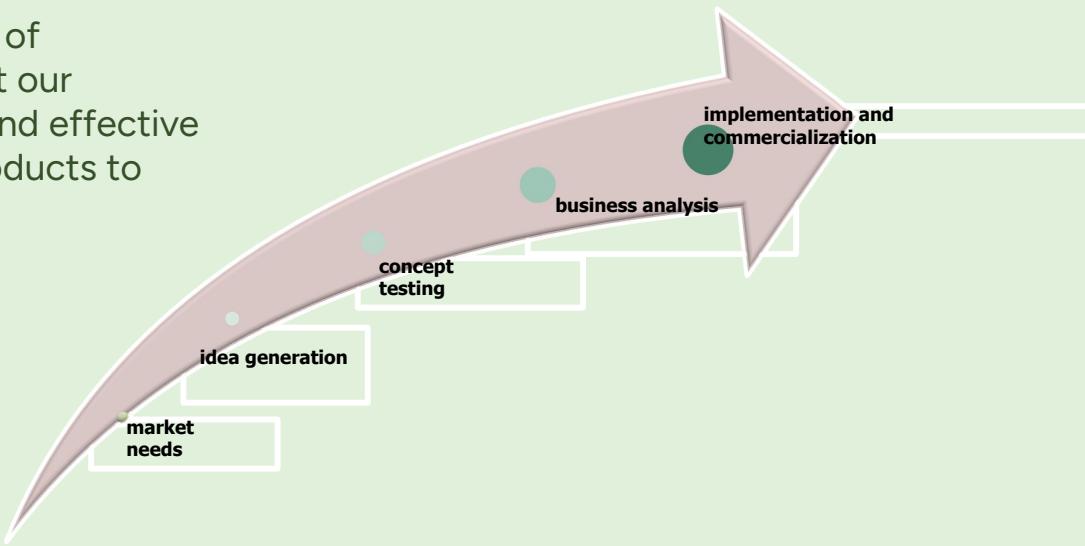
We are committed to creating added value for our customers, protecting natural resources, promoting agriculture based on respect for natural cycles, and preserving biodiversity for future generations.



The process of creating the BIOAKTIV® brand TRL 6/7 and TCL 2

We use a six-stage innovation process model for product development, having successfully completed five stages so far.

We are now in the final phase of implementation, ensuring that our approach is both innovative and effective in bringing transformative products to market.



Comparision of NPK fertiliser vs. **BIOAKTIV®**

- 38% of the world's agricultural land is no longer fertile due to chemical pollution and the effects of the synthetic fertilizers
- Increasing price of synthetic fertilizers and restrictions of usage
- Local biological wastes

SYNTETIC

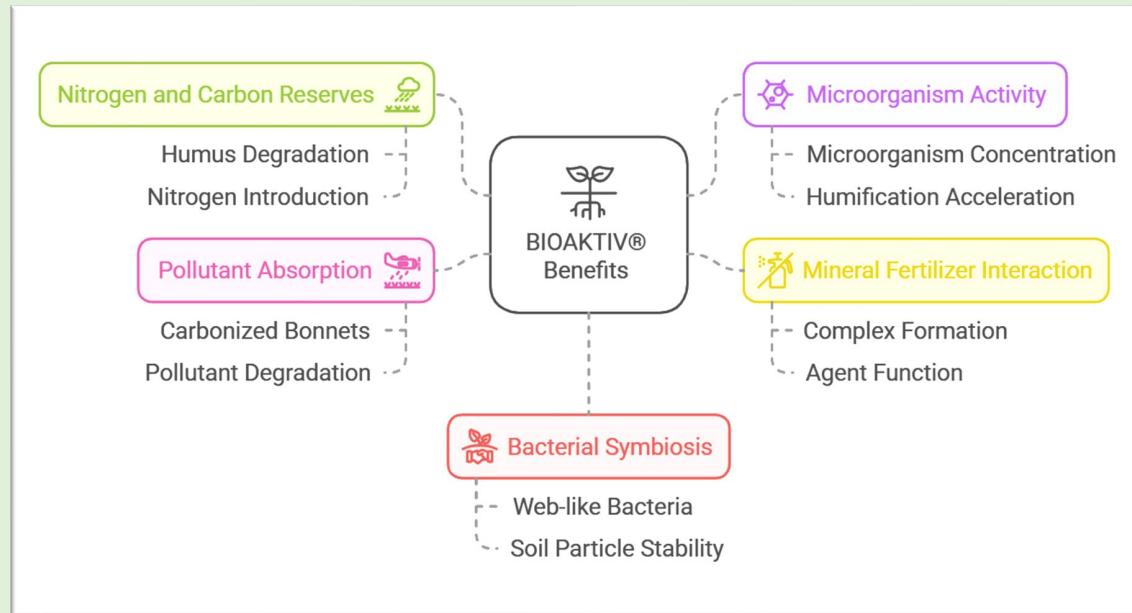
- Damage agricultural land
- Pollute groundwater
- 2-3 weeks effect delay
- Consumption is decreasing

BIOAKTIV®

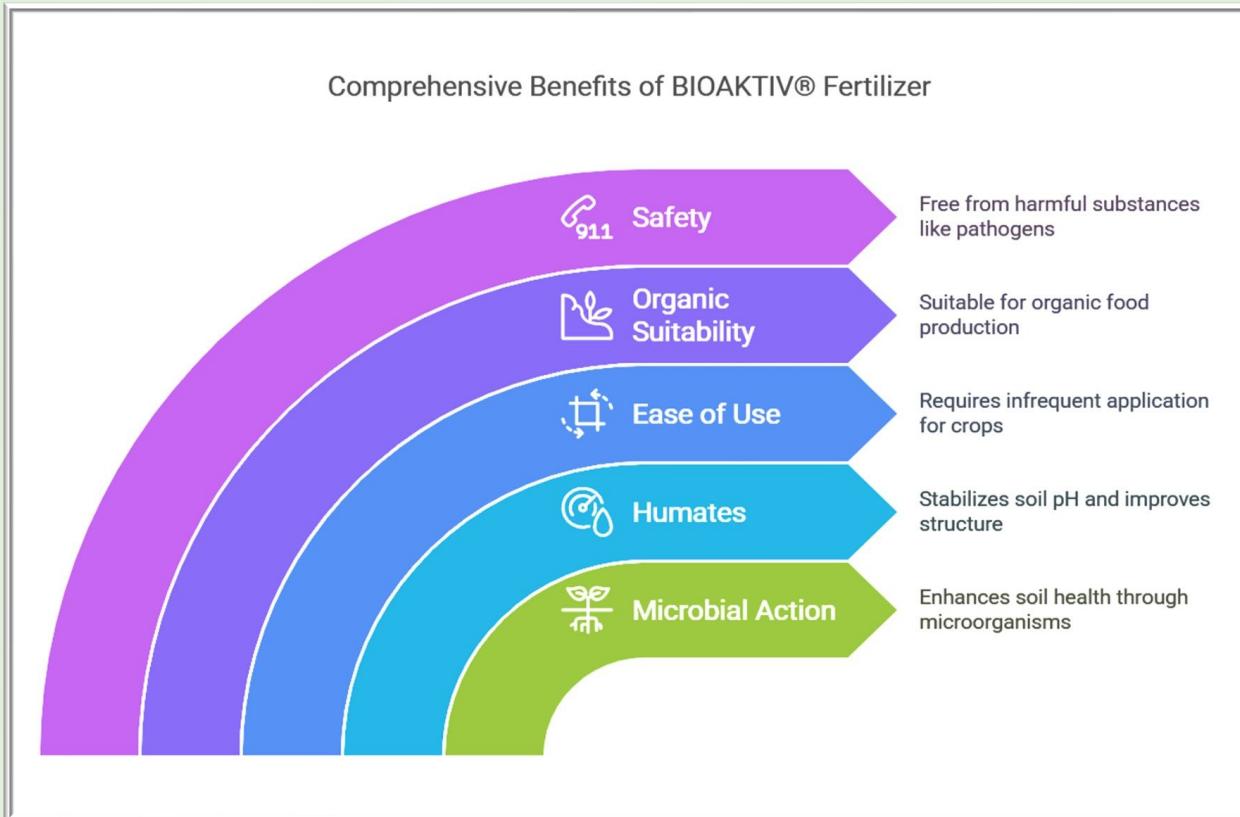
- Reactivate damaged agricultural land
- Doesn't pollute groundwater
- Immediate effect
- Consumption is increasing – regulations
- Made up of local biological wastes
- Doesn't stink – like other nature fertilizers
- UP TO 35% HIGHER AGRICULTURAL YIELD

Why BIOAKTIV® #1

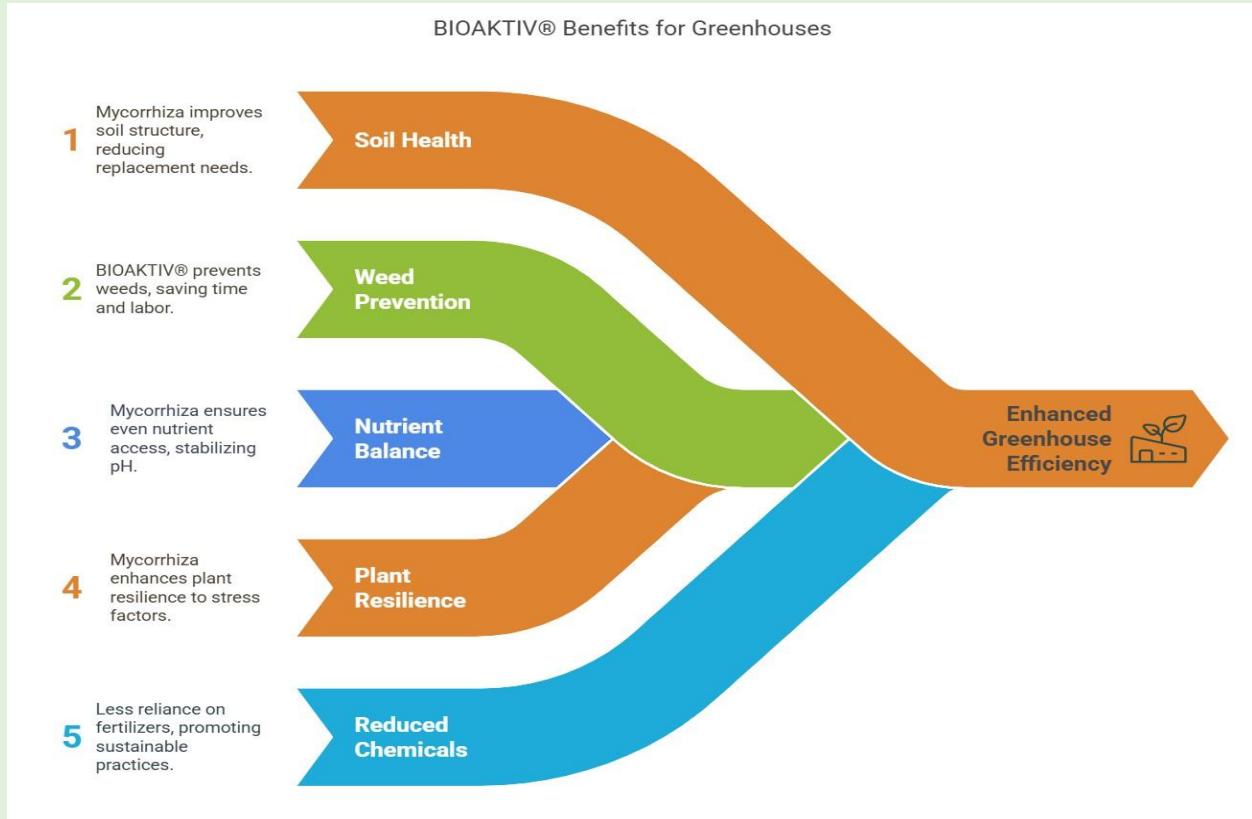
Introducing BIOAKTIV®, a concentrated humus fertilizer obtained through aerobic fermentation of organic matter. This product enriches the soil not only with essential nutrients, but also with:



Why BIOAKTIV® #2

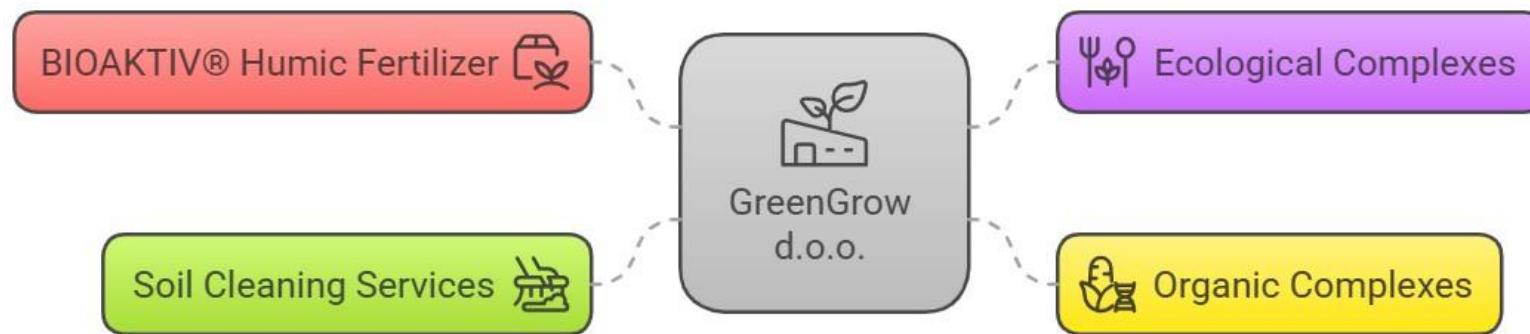


Using BIOAKTIV® in greenhouses



GreenGrow FlexCo - Product Offerings

GreenGrow d.o.o. Product Offerings



BIOAKTIV® test with desert sand

Christmas wheat was planted in a mixture of 50% desert sand and 50% regular Bioaktiv®, the test results are shown in the pictures



BIOAKTIV® test with hemp

Fertilization with BIOAKTIV® (on the right) in Switzerland on hemp. The difference in the root system is obvious. The plant is equally noticeable in the visible part – the flowers.



Comparison of the effect of BIOAKTIV® vs. NPK

We achieved greater production in fields with Bioaktiv mainly due to the formation of large quantities of flowers and a smaller amount of cut flowers.

— Cucumber test

Velikost	Gnojilo	Število rastlin	Proizvodnja	Proizvodnja na rastlino
67 m ²	70L of Bioaktiv	200 rastlin	880 Kg	4,40 Kg
67 m ²	8kg NPK	200 rastlin	710 Kg	3,55 Kg

— Pepper test – Bianka

Velikost	Gnojilo	Število rastlin	Proizvodnja	Proizvodnja na rastlino	Razpad	Višina
67 m ²	70L of Bioaktiv	400 plants	492 Kg	1,23 Kg	2%	55 cm
67 m ²	8kg NPK	400 plants	380 Kg	0,95 Kg	5%	75 cm

Comparison of the effect of BIOAKTIV® vs. other fertilizers #1

A trial using different substrates for planting vines was set up near Ptuj by Klet Haloze. The vineyard was planted in a vertical position, the soil was loamy - sandy, plowed to a depth of 35 cm and dug up to a depth of 40 cm. For the trial, we planted the Kerner grape variety based on Kober 5 BB. The trial included the following substrates:

Naziv	Uporabljena kol.	Značilnosti
BIOPOST	0,5 L na rastlino	0,8-1,4%N, 0,2-0,5% P2O5, 0,5-1,0% K2O, pH= 7,5
BIOAKTIV	1,0 L na rastlino	NPK=2:1,5:2, pH=7,4
HUMOVIT V	2,0 L na rastlino	9%OG, pH=6,5
HUMOVIT V vinoteka	2,0 L na rastlino	15%OG, pH=6,5
OG = organsko gnojilo, ki vsebuje 1-1,3%N, 0,8-1% P2O5, 0,8-1% K2O		

We measured the length of plant growth. The measurements were carried out in the autumn on 600 plants or 12 varieties. The test was carried out with a control sample in two replicates.

Comparison of the effect of BIOAKTIV® vs. other fertilizers #2

Test results with the following average values :

Naziv	Povprečna rast	INDEX
BIOPOST	114,6 cm	105,13
BIOAKTIV	178 cm	163,30
HUMOVIT V	145 cm	133,02
HUMOVIT V wine yard	170,5 cm (used double quantity)	156,42
CONTROL:	109 cm (used double quantity)	100

Comment:

From the data obtained, we obtain the following order of substrate quality according to quantities and described lands:

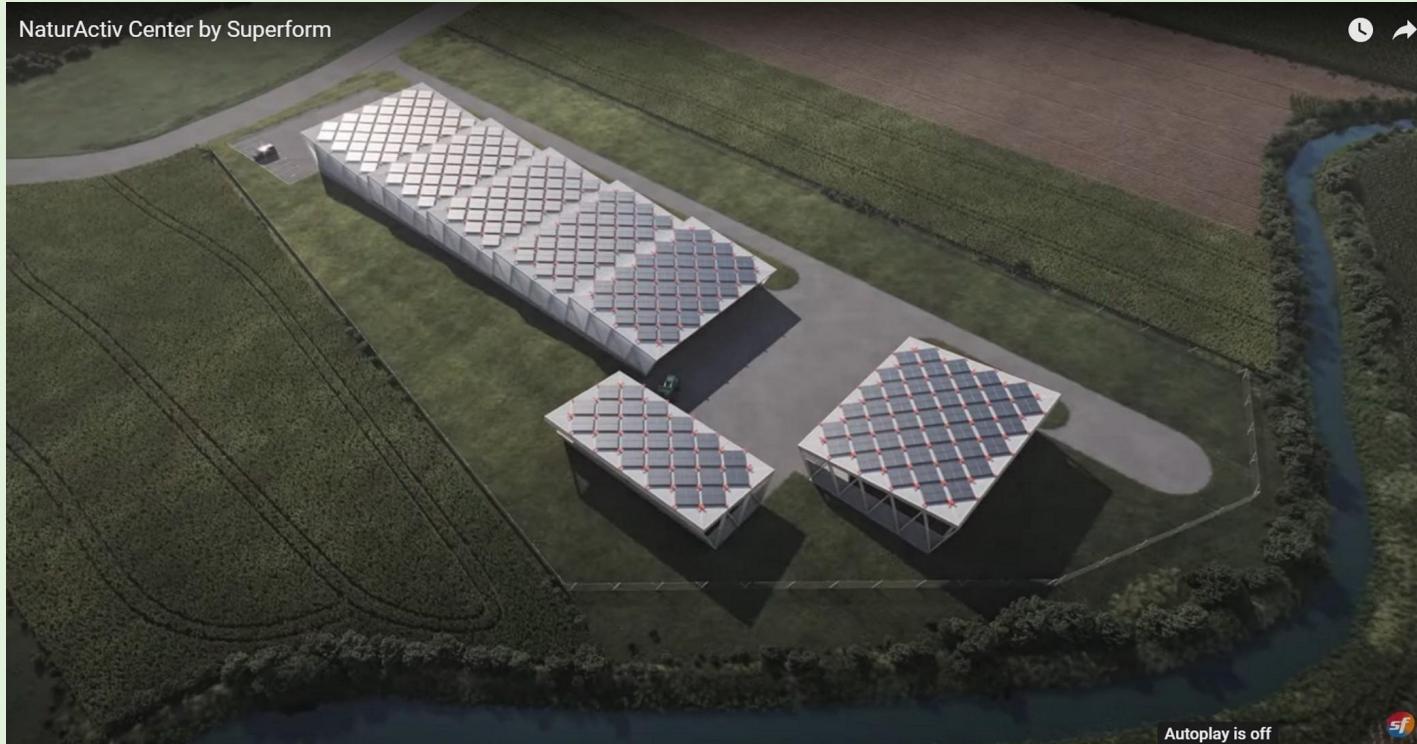
Order	Fertiliser
1	BIOAKTIV
2	HUMOVIT V vinoteka
3	HUMOVIT V
4	BIOPOST

BIOAKTIV® laboratory and pilot production - Slovenia



GreenGrowActiv Center

Outline Plan new factory



GreenGrow Center

Outline Plan new factory



GreenGrow Center

Outline Plan new factory



GreenGrow Center

Outline Plan new factory - indoor



Raw materials for BIOAKTIV®

Raw materials

Raw materials that can be used in the process are:

- Poultry manure (chicken, turkey, etc.)
- All types of fruit and wine pomace, etc.

The process can be adapted to use raw materials that are around the location of the production and development facility.

BIOAKTIV®

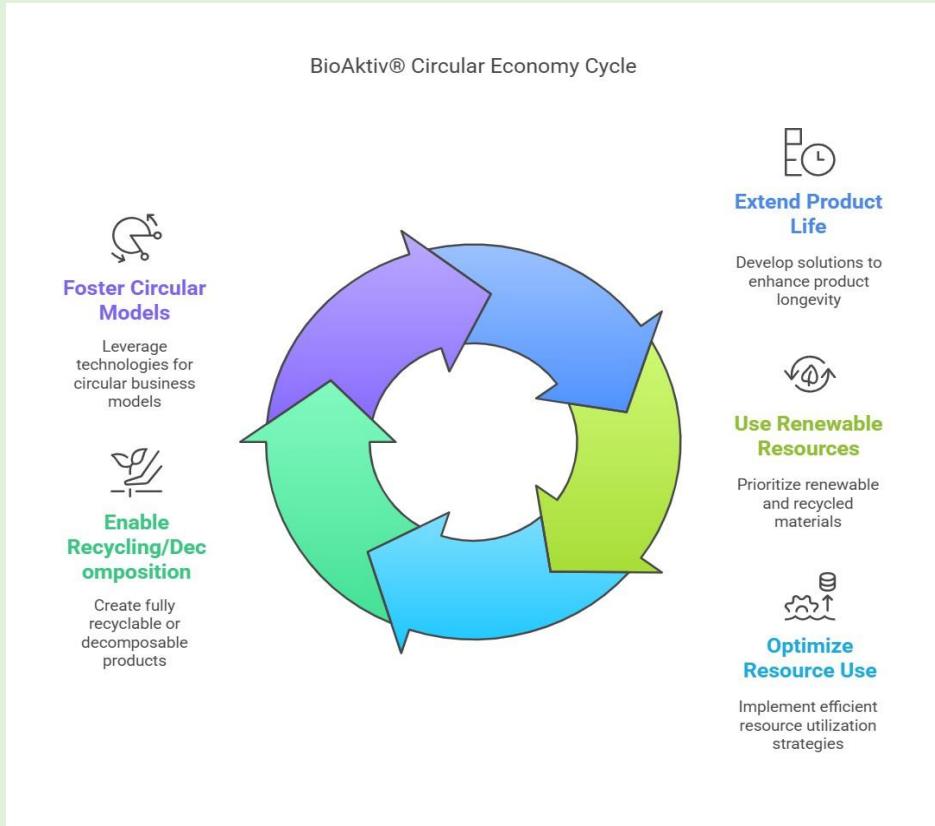
- Caring for nature
- Higher agricultural yields
- Handling of secondary agricultural products
- Fast return on investment



BIOAKTIV® production facts

- Industrial building
- Production: 7,400 tons/year
- Costs: 5-8 employees + electricity + transport , 2.5 ha plot
- Electricity required 120 KW
- Water requirement – depending on raw material availability

BIOAKTIV® criteria for circular economy



BIOAKTIV® - criteria for investments in green projects met

BioAktiv® project criteria met for eligibility for funds intended to promote green projects.

- Energy efficiency of production processes and buildings.
- Sustainable management of natural resources and biodiversity.
- $ROIC = 36,04\% > WACC = 9,78\% \rightarrow \text{"Invest"}$

WACC % VS ROIC %

ROIC > WACC: INVESTMENT IS PROFITABLE

ROIC %

WACC %

Thank you!

Thank you for your time.
For any additional information or
clarification, please contact us at:

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