



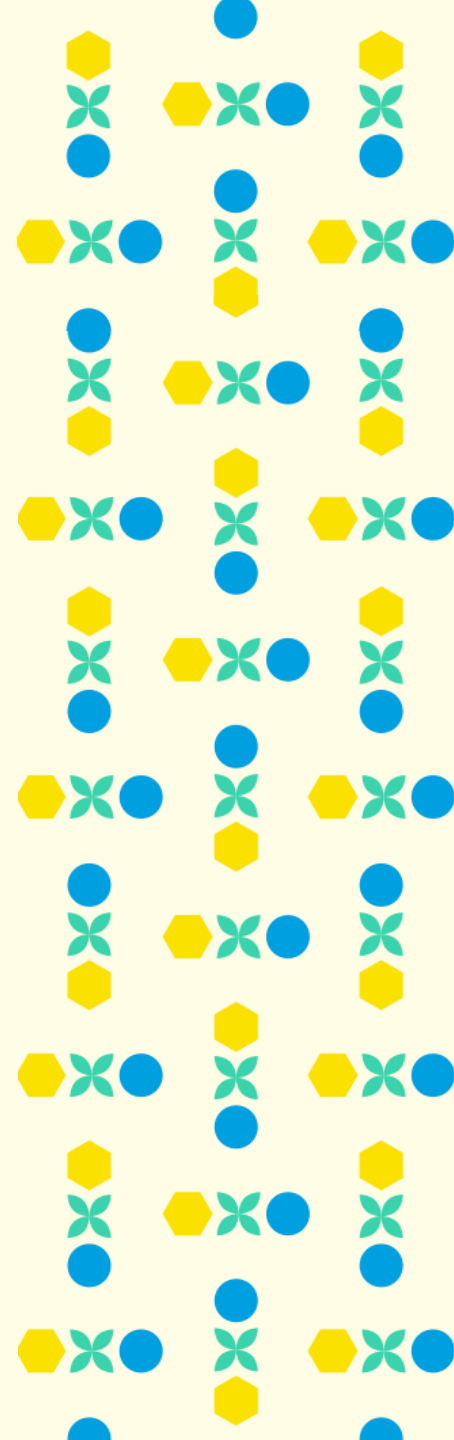
UKRAINIAN  
HEMP®

**PERPETUALLY RENEWABLE**



Presented by Michael Marchuk – Ukrainian Hemp®  
October 16<sup>th</sup>, 2023 – Prague, Czech Republic

Ukrainian Hemp®, First Hemp Corporation LLC, 59 Khimikiv Avenue, 18029 – Cherkasy, Ukraine  
[www.ukrainian-hemp.com](http://www.ukrainian-hemp.com) | [info@ukrainian-hemp.com](mailto:info@ukrainian-hemp.com) | +49-175-111-3008



# WHAT DO THESE TWO HAVE IN COMMON?



**Bioethanol**



## RENEWABLE BIOMASS



**Cosmetic pads**

In fact, both products are made from the very same plant – [industrial hemp](#)  
[and there is more](#)



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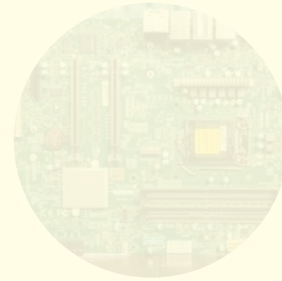
Textiles



Plant-based meat



Building blocks



Motherboards



Sports field turf



Animal bedding

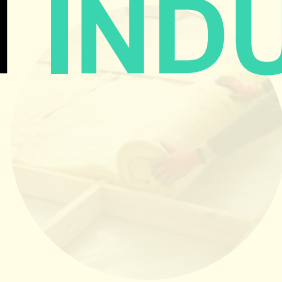
# ALL OF THIS COULD BE MADE FROM INDUSTRIAL HEMP



Pulp packaging



Paper



Thermal insulation



Bio-Char



Oil



Composites





# SO WHY AREN'T WE PRODUCING MORE SUSTAINABLE PRODUCTS FROM INDUSTRIAL HEMP?



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# I. REASON - RESOURCE AVAILABILITY

## EXPECTATIONS



”We have an aim that **100% of our paper packaging** will contain third-party FSC® **certified virgin content**”

	2022
Total metric tons	1,505,000
% Recycled	79%
% of Virgin	21%

**Procter & Gamble**  
Paper packaging strategy report 2022

<https://www.pginvestor.com/esg/environmental/forestry/paper-packaging/default.aspx>

## REALITY



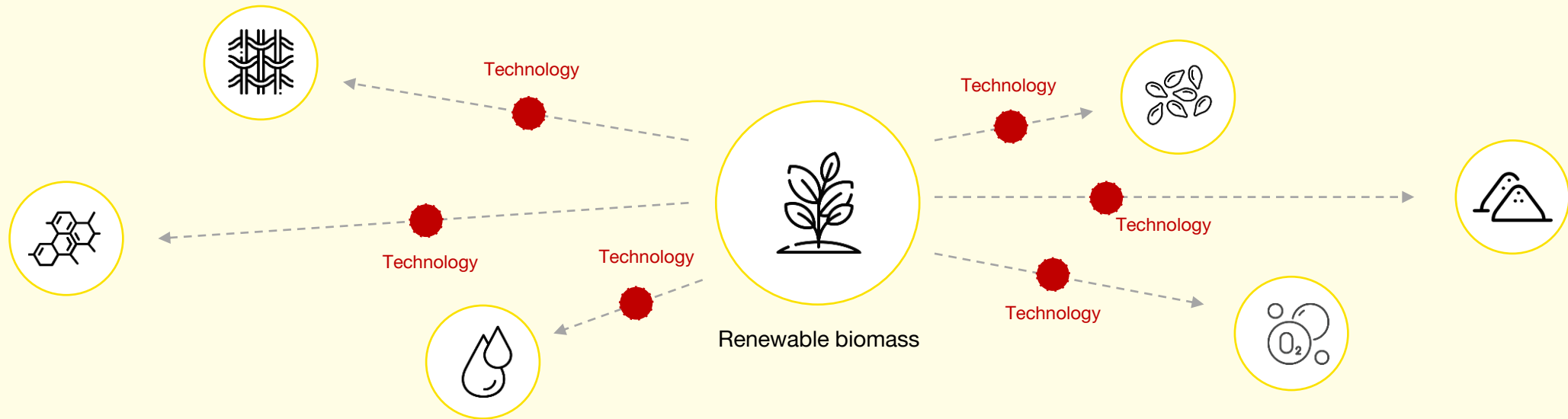
“Studies suggest that the **gap between** the potential **demand for biomass** and its sustainable supply can be **as big as 40-70%** by 2030 depending on the scenarios”

**Mr. John Bell**  
Director at the European Commission’s research and innovation department

2022, Brussels

## II. REASON – MISSING TECHNOLOGY

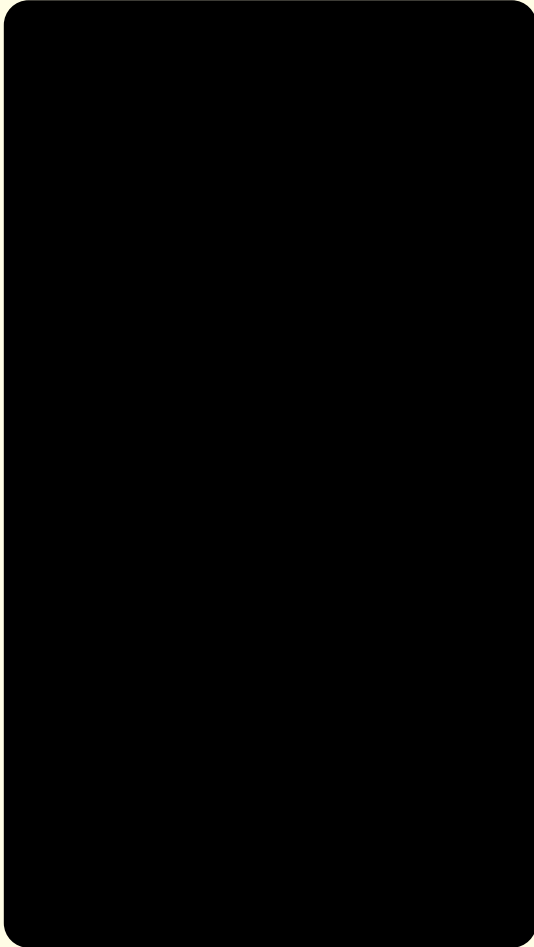
### BIOMASS PRODUCTION IS AN UPSIDE-DOWN PROCESS



Unlike a **standard production** process where we bring **thousands of elements** to manufacture **one product**, we take **one plant** to manufacture **thousands of elements**



# OUR SHOWCASE PROJECT



UKRAINIAN  
HEMP®

Ukrainian Hemp® has been designed to process industrial hemp biomass in alignment with the requirements of key industrial partners and circular economy principles.

Through tailored investments into:



R&D



Technology



Agriculture



Production



People

UNLOCKING THE POTENTIAL TO SERVICE THIS VERTICAL



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# SUPPLY CHAIN VERTICAL



## Industrial hemp plant



Biomass



**Lignopure**  
Lignin isolate



**Vitality Hemp**  
Hemp briquettes



**CARBONEIRE**  
Hemp biochar



**ABENGOA**  
Bioethanol



Reproduction seeds



**arnika organic**  
Reproduction seed



**HEMPit**  
Reproduction seed



Consumption seeds



**purašana**  
Consumption seed



**purašana**  
Hemp protein



**HANF FARM**  
Hemp oil



**Hempeat**  
Plant-based meat



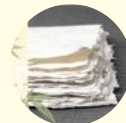
Hemp fibers



**BOHEMPIA**  
Industrial fibers



**D-IONESCU**  
Woven textiles



**GMUND**  
PAPIER



**PAPPECKE**  
PACKAGING BY NATURE



Hemp shives



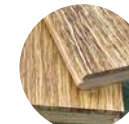
**TEZNO CANAPA SENINI**  
Hempcrete



**HEMP Nature wins!**  
Animal bedding



**Schönthaler**  
Wall plaster



**HEMPWOOD**  
Flooring



# ACHIEVEMENT OF THE YEAR



**PAPACKS®**  
PACKAGING BY NATURE

**Not a single tree has fallen  
for this package!**

**Together with PAPACKS® we have developed  
HempPulp®, a unique material consistent of  
100% industrial hemp biomass, which represents  
an alternative to traditionally utilized wood.**

Ultra-low carbon footprint  
Avoids deforestation  
No chemicals used

And finally: Closes the gap of 18,000 t raw material  
PAPACKS® is using p.a.



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## KEY TAKEAWAYS

- **INVEST IN INDUSTRIAL HEMP BIOMASS**
- **INVEST IN PROCESSING TECHNOLOGY**
- **EXPAND CIRCULAR ECONOMY**
- **ESTABLISH SUPPLY CHAINS  
FOR RENEWABLES**



UKRAINIAN  
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## THANK YOU FOR YOUR ATTENTION



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