



Lignopure
NATURALLY FUNCTIONAL

7th forest & wood innovation forum
22.06.2023



Our mission

Our mission is to **replace** widely-used **environmental** and **health-harmful chemicals** with a natural, multifunctional and high-performance **alternative based on lignin**

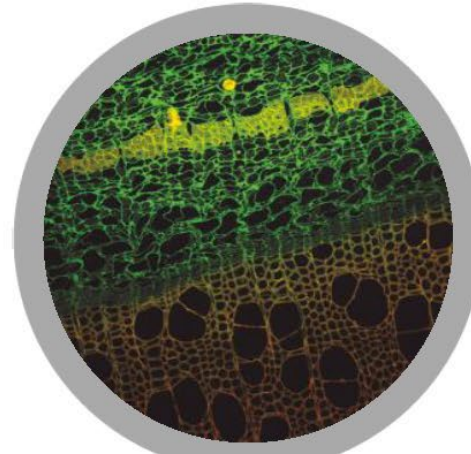
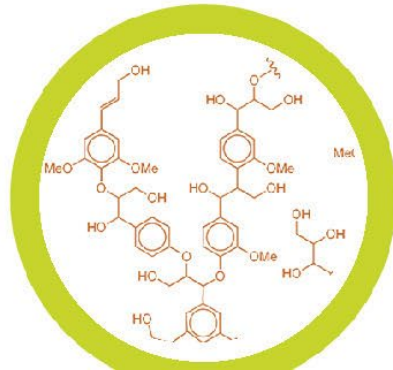


Lignin – the potential

The underutilized second most abundant material on EARTH



- **Lignin** – the biggest renewable source of carbon
- Present in the cell walls of **plants** like trees, cereals and grasses
- **Massive byproduct** of pulp & paper and biorefineries
- **97% of world production burned** or low valued



Impact & sustainability

Responsible supply of bioresources

- Best use of **already available sources**
- No competition for edible resources
- Environmental and socially **responsible supply**



Renewable
source



From industrial
residues



Non food
competition



Real impact on sustainability challenges

- Natural lignin to **replace harmful ingredients**
- Biobased material with **functionalities matching market needs**
- Lignin is a key material of the **bioeconomy transition**

Our impact in the value chain



We close the technology gap between biorefineries and the market



Enabling the valorization of the world's largest biorefinery waste, while **accelerating the transition** towards a biobased economy.

Business model

Lignopure's know how in a diversity of markets

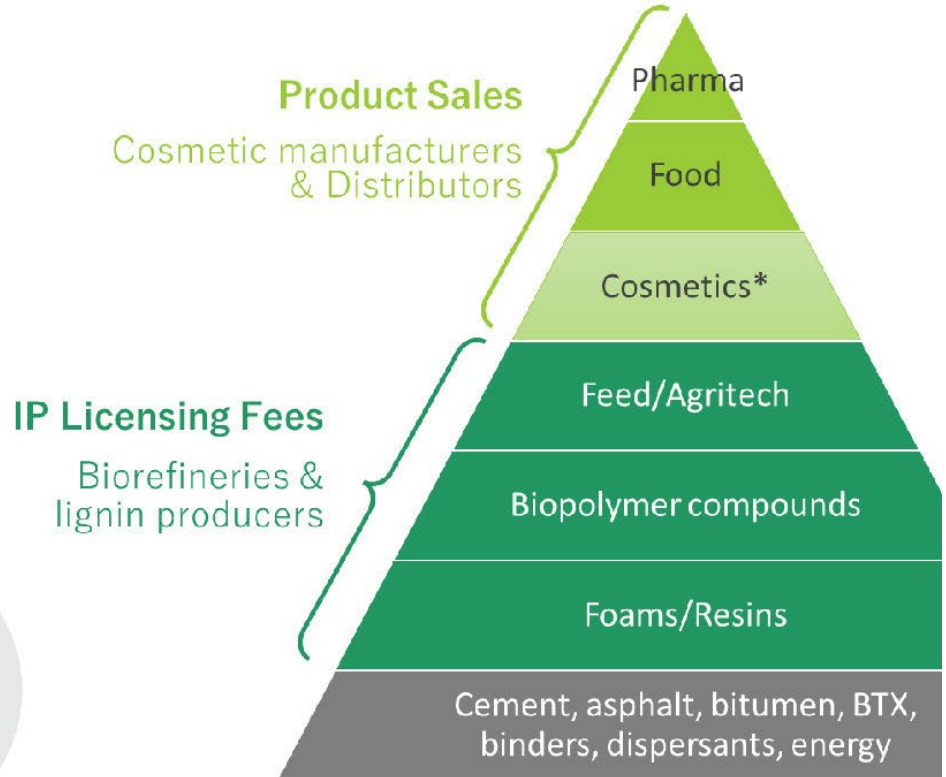


Revenue streams

1. Lignopure **produces and sells** lignin ingredients for high value markets
2. Lignopure licenses out the IP and know-how for bulk applications and generates **licensing fees**



**Beachhead market*



Business areas

Current business status



Market launch

In March 2023

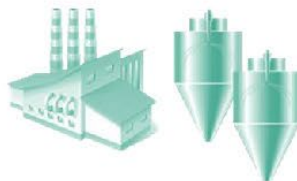
Distributors



High value applications

Lead and revenue generation

0.65 Mio €



Technology licensing



Construction materials



Thermoplastics



Expanded foams



Biofibers

Material applications

Commercial traction



Regulatory landscape



Revenue generation



Market readiness



Our flagship product – LignoBase™

Multifunctional natural ingredient for the care sector



LignoBase™

INCI: Lignin/Cellulose

Cosmetic
Ingredient

- Lignin microparticles
- Ready to incorporate in complex formulations
- Reduction of undesired chemical ingredients

Proven
functionality

- SPF booster
- Antioxidant
- Natural color

Applications

- Sun protection
- Care products
- Decorative cosmetics



Sales via distributors

Geographical distribution plan for our flagship product LignoBase



✓ **Our distribution partnerships:**
ECKART, Kreglinger, MASSÓ,
Hana Care and Distributies.

✓ > 25 companies in
beta-testing

✓ End-user launching 1st
cosmetic product in 2023

The Team

Lignopure

CEO

Plant operation

Product Innovation
Cosmetics

Product
prototyping

Material
pretreatment

Application
services

Product life &
optimization

CTO

Sales &
Business
Development

CPO

Particle
Innovation

Product
innovation -
Nutraceuticals

Social
Networks

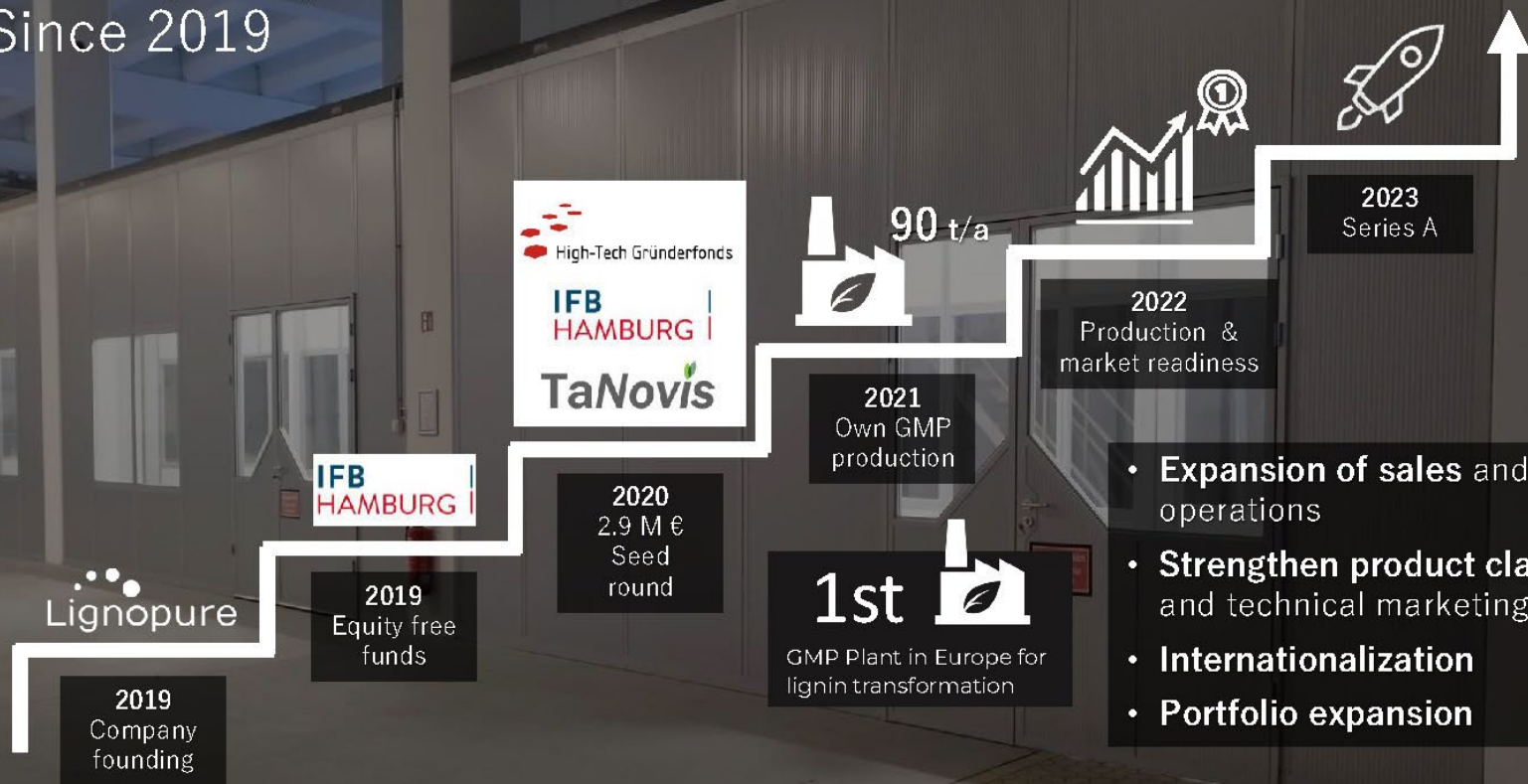
Process
engineer



Company development

Since 2019

Lignopure



Lignopure

2019
Company
founding

IFB
HAMBURG I

2019
Equity free
funds

High-Tech Gründerfonds
IFB
HAMBURG I
TaNovis

2020
2.9 M €
Seed
round



90 t/a

2021
Own GMP
production

1st



GMP Plant in Europe for
lignin transformation



2022
Production &
market readiness



2023
Series A

- **Expansion of sales** and operations
- **Strengthen product claims** and technical marketing
- **Internationalization**
- **Portfolio expansion**



Be part of
the
transition!

