



**Natural fibers,
new technologies**

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founder & CEO



HOLZ INNOVATIV
DISRUPTION IN FOREST INDUSTRIES

Jan 2023



Global problem:  **sustainability of materials**

fossil based

renewable: fibers

thin 2D
pressed



3D
expanded





Our solution: 3D materials from plant fibers

new process

CLEAN
FAST
3D



PHYSICS ONLY:

no chemistry
no bio-growths
3D expanding & bonding

new material



- **functionality** control
- **light & porous** (<100kg/m³)
- 100% **ecological**

eco alternative to
styrofoam & rockwool



- industrially **scalable**
- **broad fibrous** feedstock
- **many** applications





First applications (from many possible)

growing medium

hydroponic
& agri cultivations



advanced bio-composites

protectors, filters, absorbers
etc

initial application



3D porous

packaging, eco-styrofoam



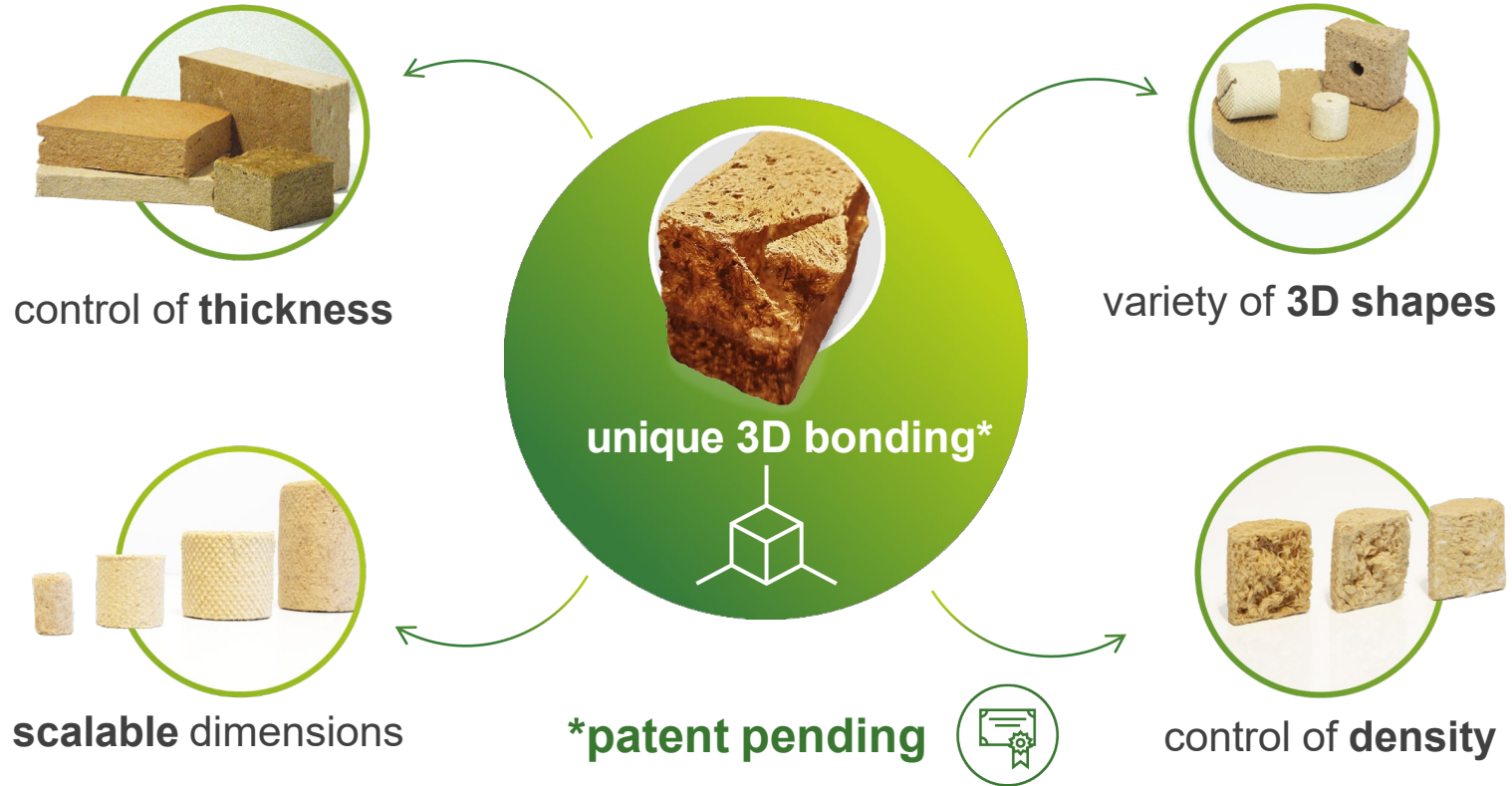
construction thermal
& sound insulators

the greenest from green technologies





Functional material: universal parameters and features



Fibrous Feedstock

FibriTech Technology

Sustainable 3D Materials

Your Applications



Pulp fibers



Plant fibers



Waste & recycle fibers

Water resistance
Absorption
Strength
Stiffness



Lightness
Insulation
Recyclability
Flame retardancy



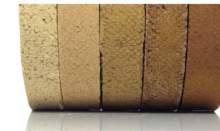
Unique combination of properties



Packaging



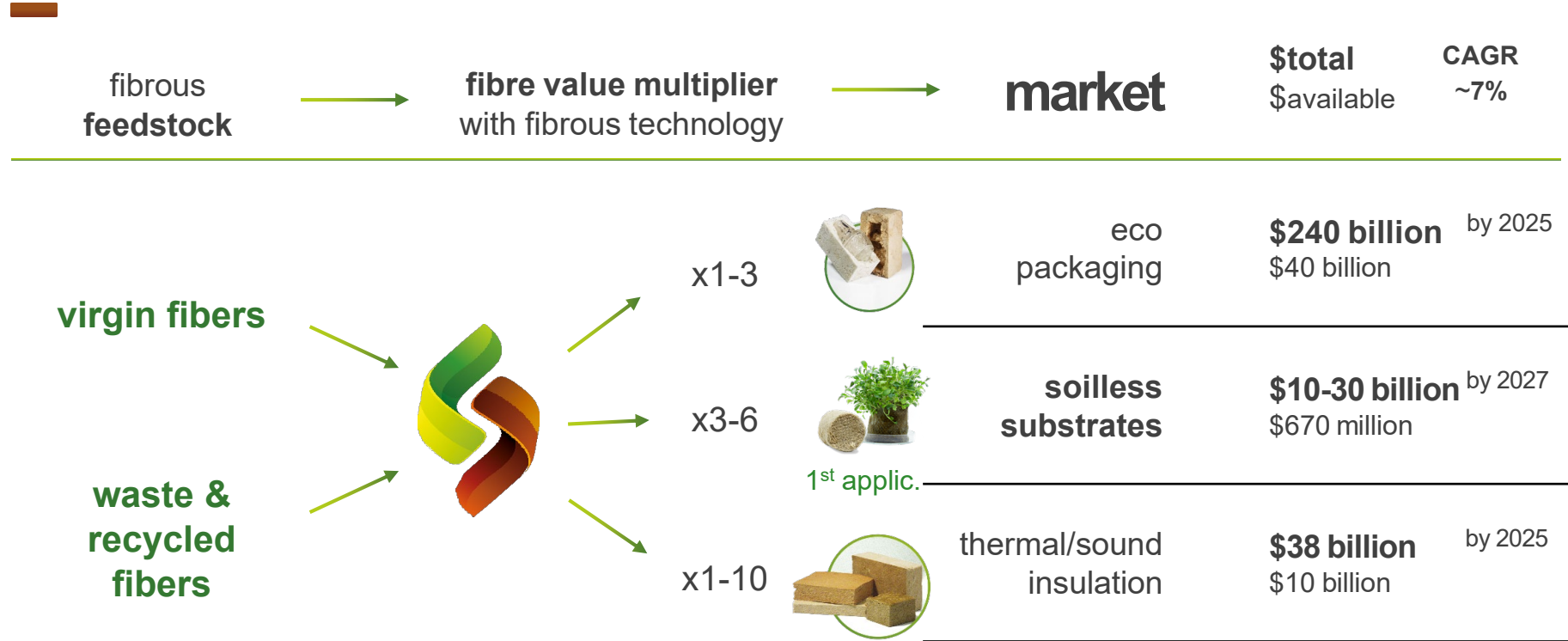
Soiless substrates



Thermal/Sound insulation



Value of fibre-to-application combinations





Traction – material technology ready for industrial scaling

applications & partners



based on material samples:

5 pilot projects
+10 manufacturing Lols

prestigious EIC project 2022-25



European
Innovation
Council



visionary entrepreneurs
deep-tech breakthrough

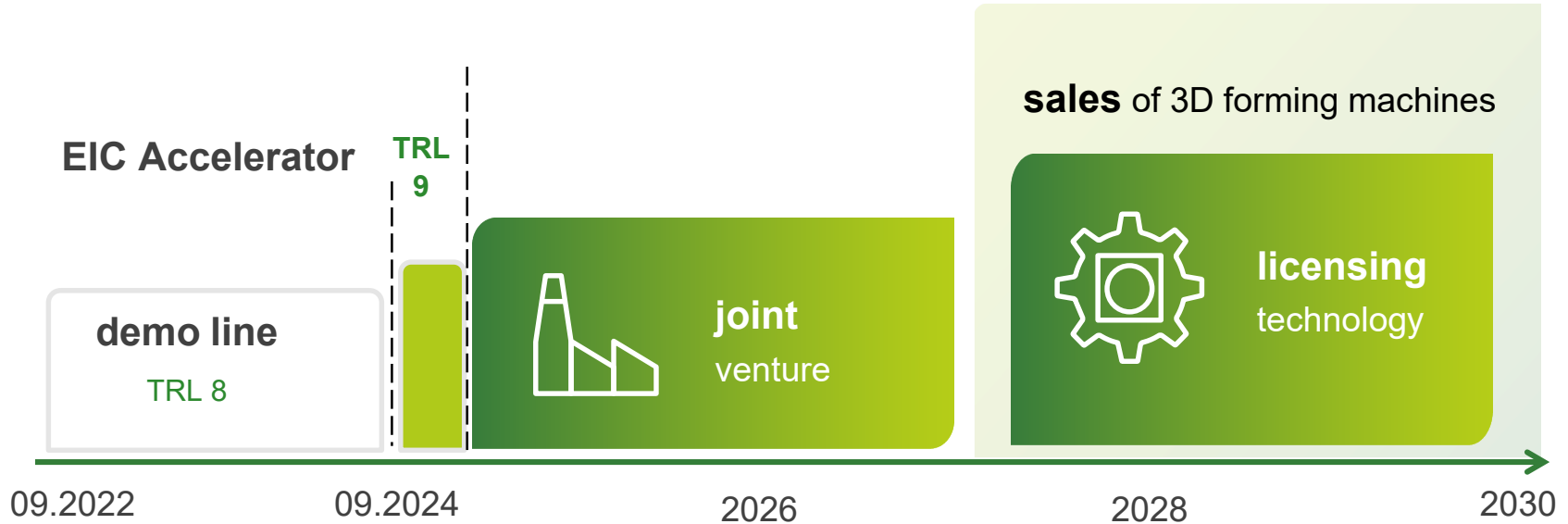




Joint venture/B2B

Commercialization

B2B with manufacturers





3D materials from **plant fibers**



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we make eco matter