



Winner of the Global Innovation Award:
“Renewable Material of the Year 2021”



Plantics

Superior Natural Materials

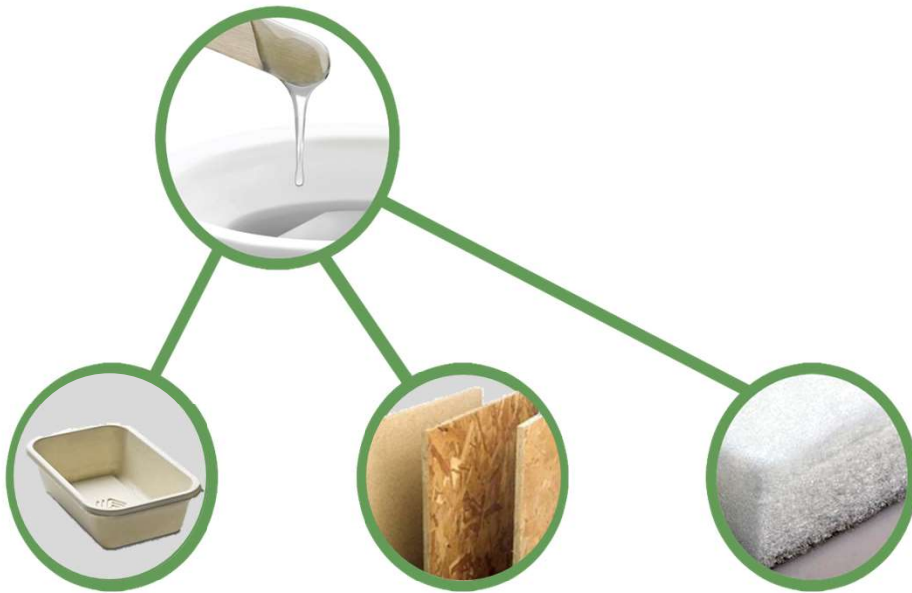
**Strong, 100% biobased,
recyclable, and safe**

Circular Biobased Performance Materials symposium

Hotel de Wereld – Wageningen

Martijn Kruisweg

16 June 2022

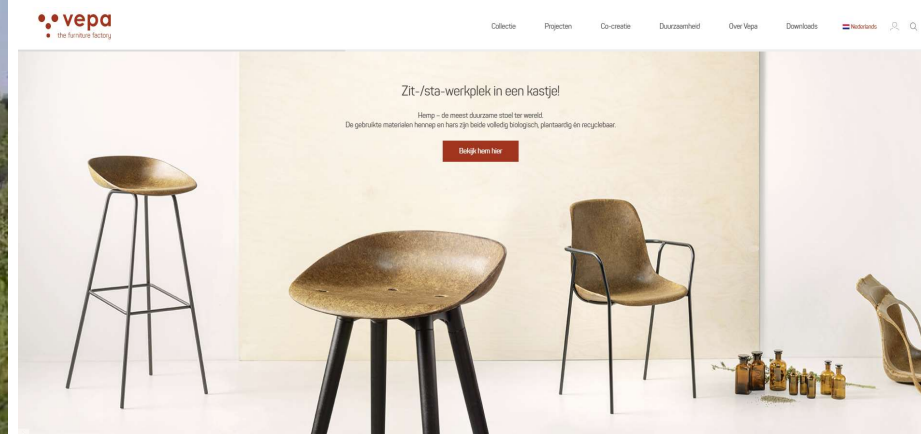


Superior Natural Materials Go-to-Market example



Introduction

YouTube <https://www.youtube.com/watch?v=QjheQIJS5IM&t=2s>



Never forget the 'why'



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4 billion plastic plantpots per year wasted
And this is just in Holland...

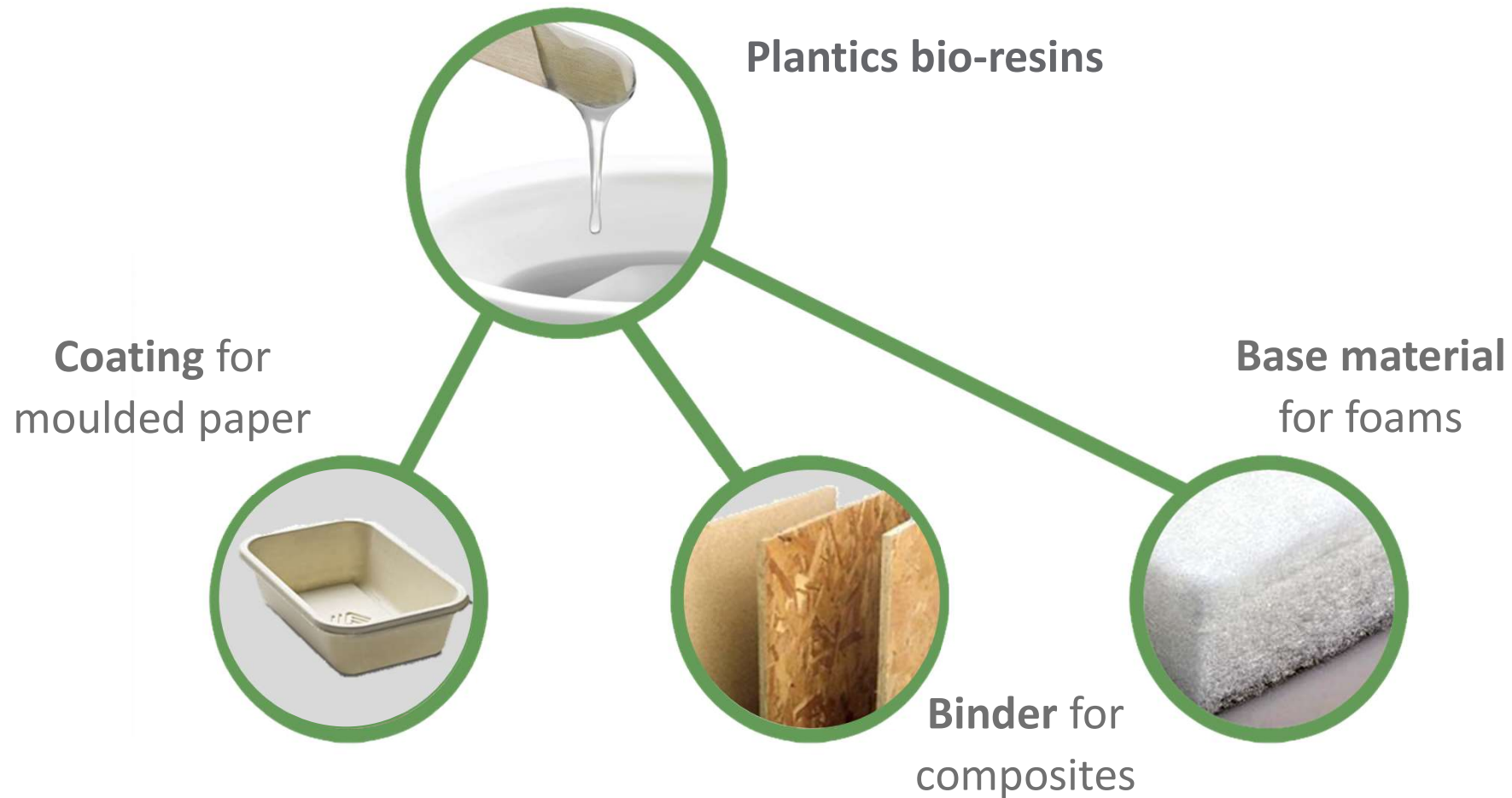
Existing thermoset binders and foams are not safe



Initiatives are actively supported by governments



Plantics develops materials that contribute to the solution




One of the most promising biomaterial companies in Europe

- Winner of the Global Innovation Award:
“Renewable Material of the Year 2021”
- Winner of the most prestigious European grants in 2019:
 - Horizon 2020 Small and medium enterprise program
 - Horizon 2020 Fast track to innovation
- Winner PitchFest of the European Forum for Biobased Industries and Winner natural Fibertastic award in 2018



Key differentiating factors

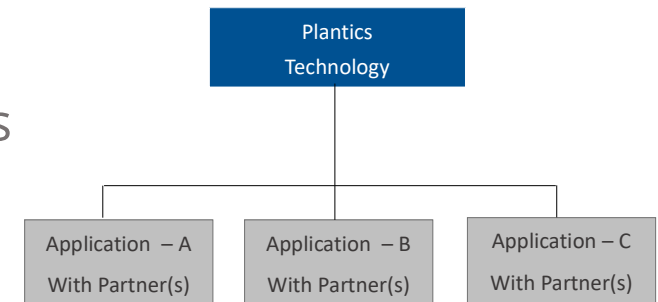
- Unique; the only 100% bio-based thermoset materials, natural look and feel, shapable
- Superior; strong, hard, temperature resistant (> 200 °C), odorless
- Safe; no toxic components in product or production, no formaldehyde, flame retardant
- Negative CO₂ footprint (more CO₂ stored than emitted during production materials)
- Recyclable and tunable bio-degradable
- Game changing potential; Renewable Material of the Year 2021 
- *Patented worldwide*
- *Competitive* - costs resins ~ costs fossil-based resins, raw materials abundantly available

Go-to-Market : Partner model

Create and share value together with strong **market partners** and Plantics bioresin material applications

Plantics company activities:

- **Application development and commercialization** with our **partners**
- **Continuous improvement** resins, materials, and production processes
- **Production** of resins and intermediate materials
- **Pilot production** of applications
- **Production and Technology support** to our partners
- **Strengthening** of **IP positions**

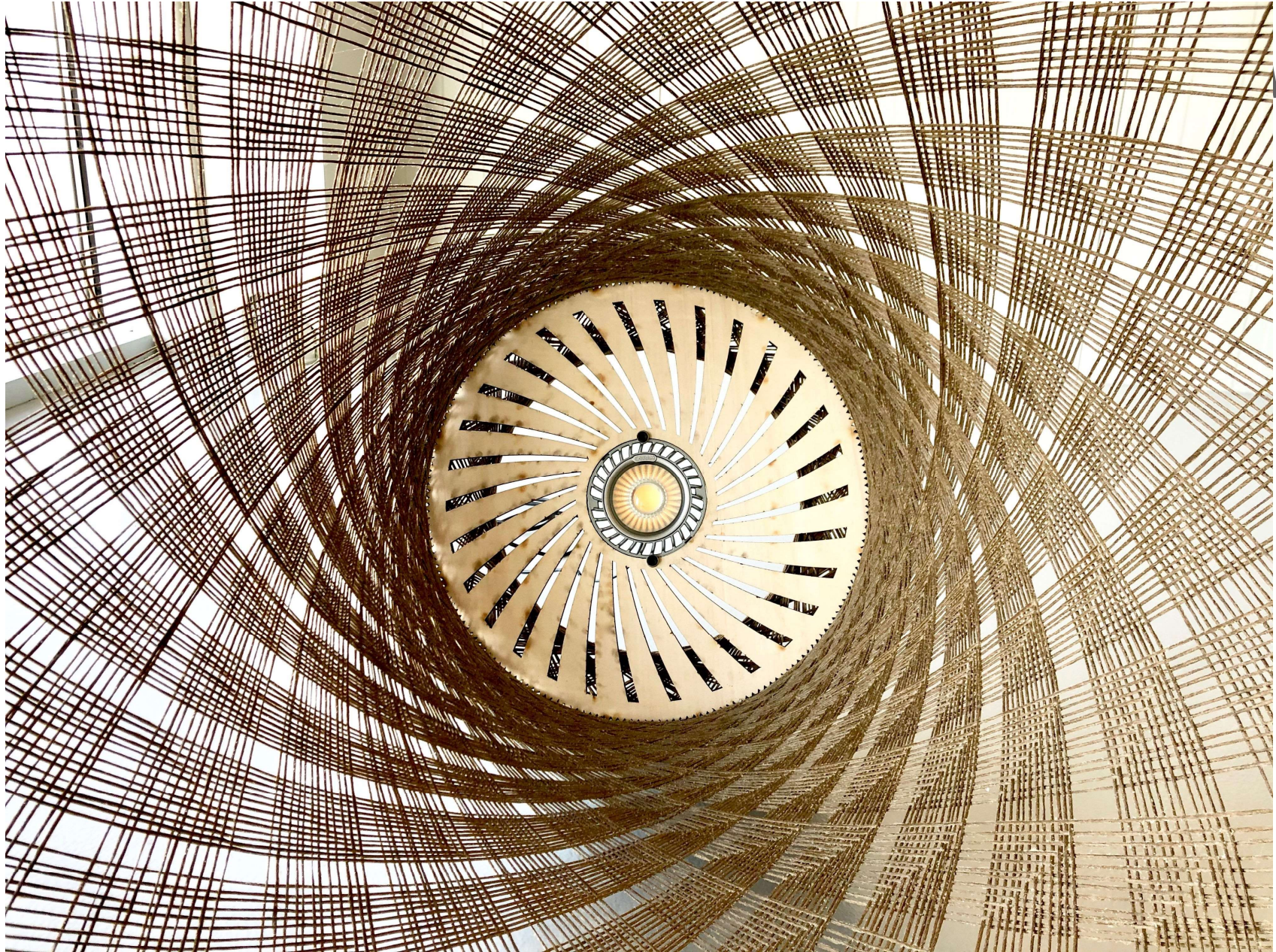








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Building materials

Fieldlab Emmen/biobased house

- Testing in practice
- Applying materials
- Construction methods
- Monitoring



Nature wins!

Construction and building 2D panels (hemp, wood, insulation)







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Education



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Questions

