



# Hegewarren – Fryslân BIOSINTRUM

Welcome!

From Paludiculture to building  
materials:  
a circular initiative in the Hegewarren polder

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circular**summit**  
**fryslân**2025.frl



# Paludiculture:

## from cattail to building material

Background: rewetting peatlands

- Reduced greenhouse gas emissions
- Reduced soil subsidence

Different land use:

- Biomass production in wet agriculture
- Convert biomass to building materials
- Alternative business model for farmers





# Project

## Pilot Production Bio Based

Goal: convert cattail to building materials  
How: construct pilot production line  
Products: insulation & panels  
Partners: full value chain



Studio Tjeerd  
Veenhoven



Location: Hegewarren – Fryslân – Netherlands

# PPRB

Pilot Productie-  
straat Bio Based



Medegefinancierd door  
de Europese Unie





# Cultivation: 10 Ha peatland

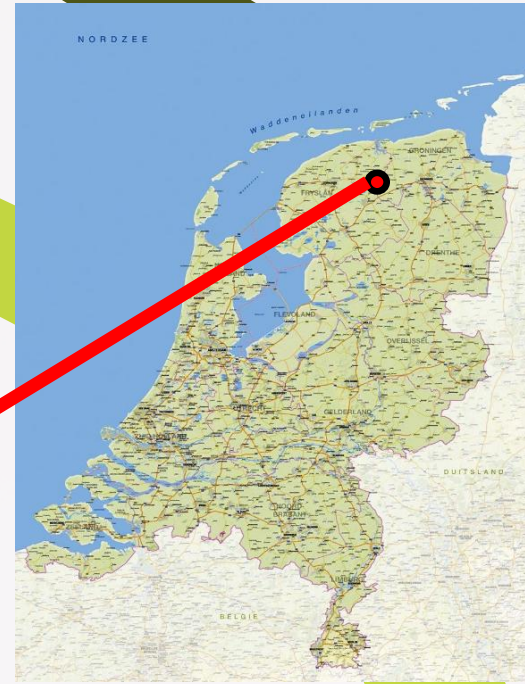


Pilot production



You are here

2024 crops







# 2024 – 2025 Harvest

## January 2025

Cutting the cattail:





# 2024 – 2025 Harvest

## January 2025

Collecting the cattail:







# 2024 – 2025 Harvest

## January 2025

Transfer to the drying container:







# 2024 – 2025 Harvest

## January 2025

Manual labor and lots of fun!





# Sizing the fibres







# Building products:

Panels:







# Partners

Info:

Stichting Biosintrum

Ecommunitypark 5

8431 SM Oosterwolde

The Netherlands

[www.biosintrum.nl](http://www.biosintrum.nl)



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