

# Industrial Waste-to-Value Platform

A circular resource conversion concept for the paper industry

## From residual materials to valuable industrial resources

# Why this matters for paper producers

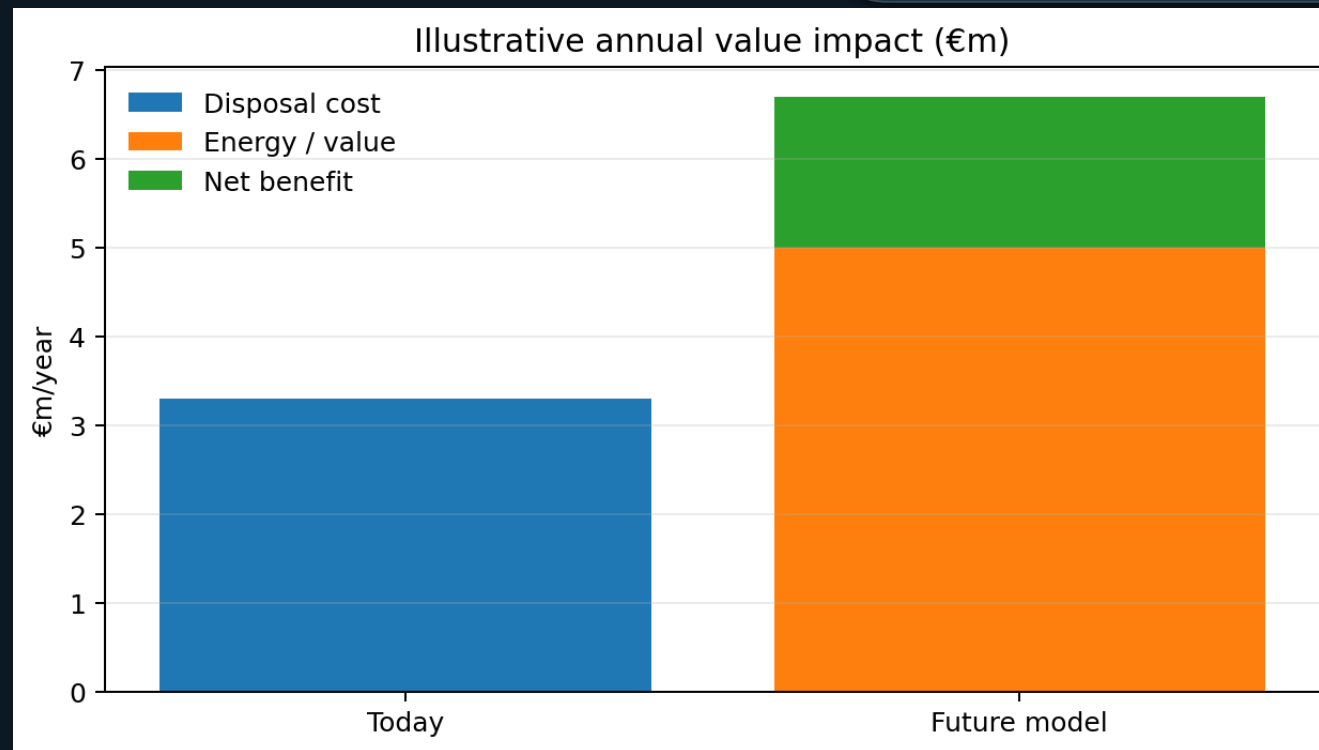
The current linear model destroys value

## Pain points

- Rising disposal costs for rejects, pulper waste and other residues
- Increasing regulatory pressure on waste handling and emissions
- Energy cost volatility impacts competitiveness

## What is lost today

- High-calorific residues are still treated as a cost center
- Hidden energy potential remains unused
- No stable long-term industrial solution



# How to think about the project

Positioning matters

## Recommended positioning

- ❖ Industrial Transformation Platform
- ❖ Circular Resource Conversion
- ❖ Integrated Resource Utilization Facility
- ❖ Advanced Environmental Processing
- ❖ Next-Generation Industrial Infrastructure
- ❖ Industrial Waste-to-Value System

## Core message

- ❖ This is not only waste treatment.
- ❖ This is not only energy generation.
- ❖ It is a scalable industrial conversion platform
- ❖ that transforms residual materials into
- ❖ valuable resources through advanced
- ❖ thermochemical processing.

# How it works — simplified

Explain the concept without engineering overload



## Input

Paper industry residues with remaining calorific value  
Secure industrial disposal pathway

## Conversion

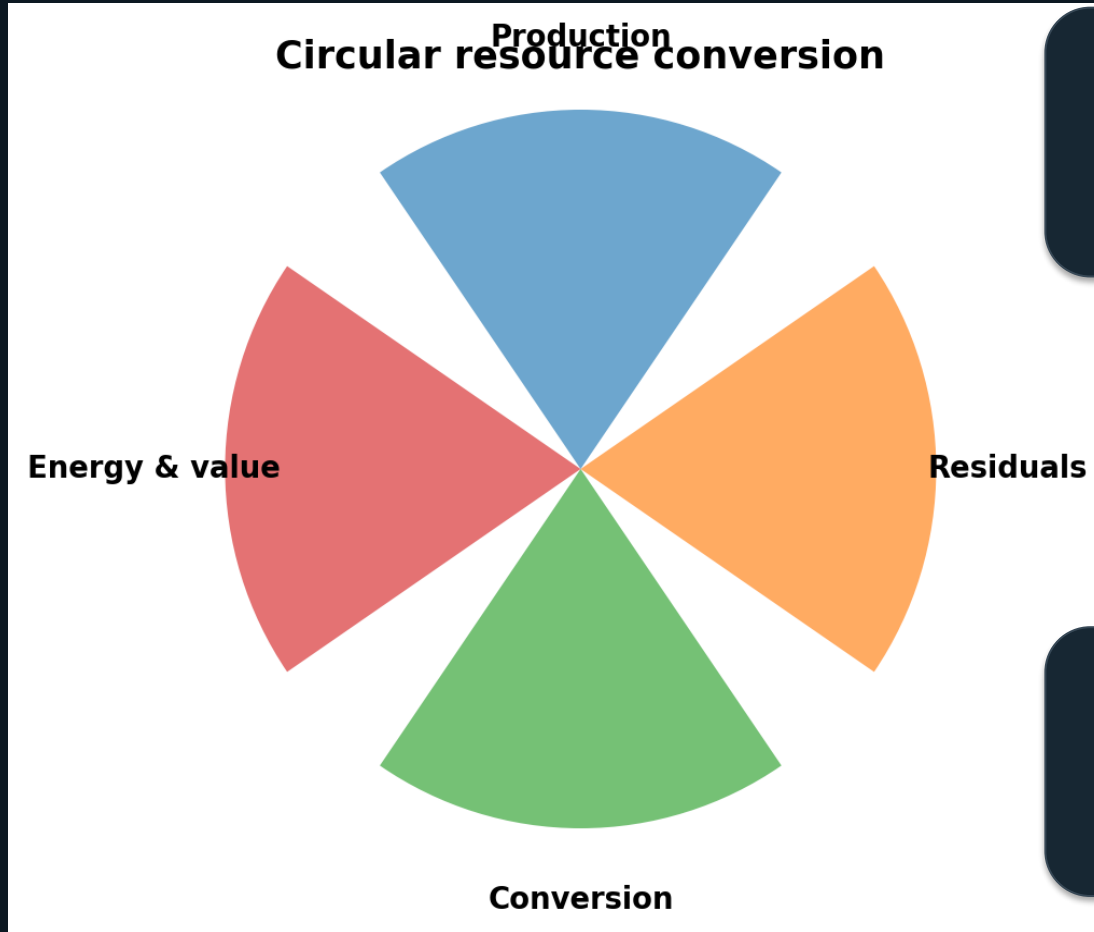
Advanced thermochemical processing  
Industrial gas conditioning and cleaning

## Output

Energy valorization: power + heat  
Stable industrial value creation

# Direct value for the paper industry

What this means for your operation



## Cost reduction

Reduce dependency on external disposal routes  
Create long-term pricing visibility

## ESG / decarbonization

Improve sustainability footprint and resource efficiency  
Support circular economy integration

## Strategic resilience

Convert a cost center into a strategic value stream  
Future-proof waste and energy management

# Illustrative example for a paper mill

A simple economic picture for discussion

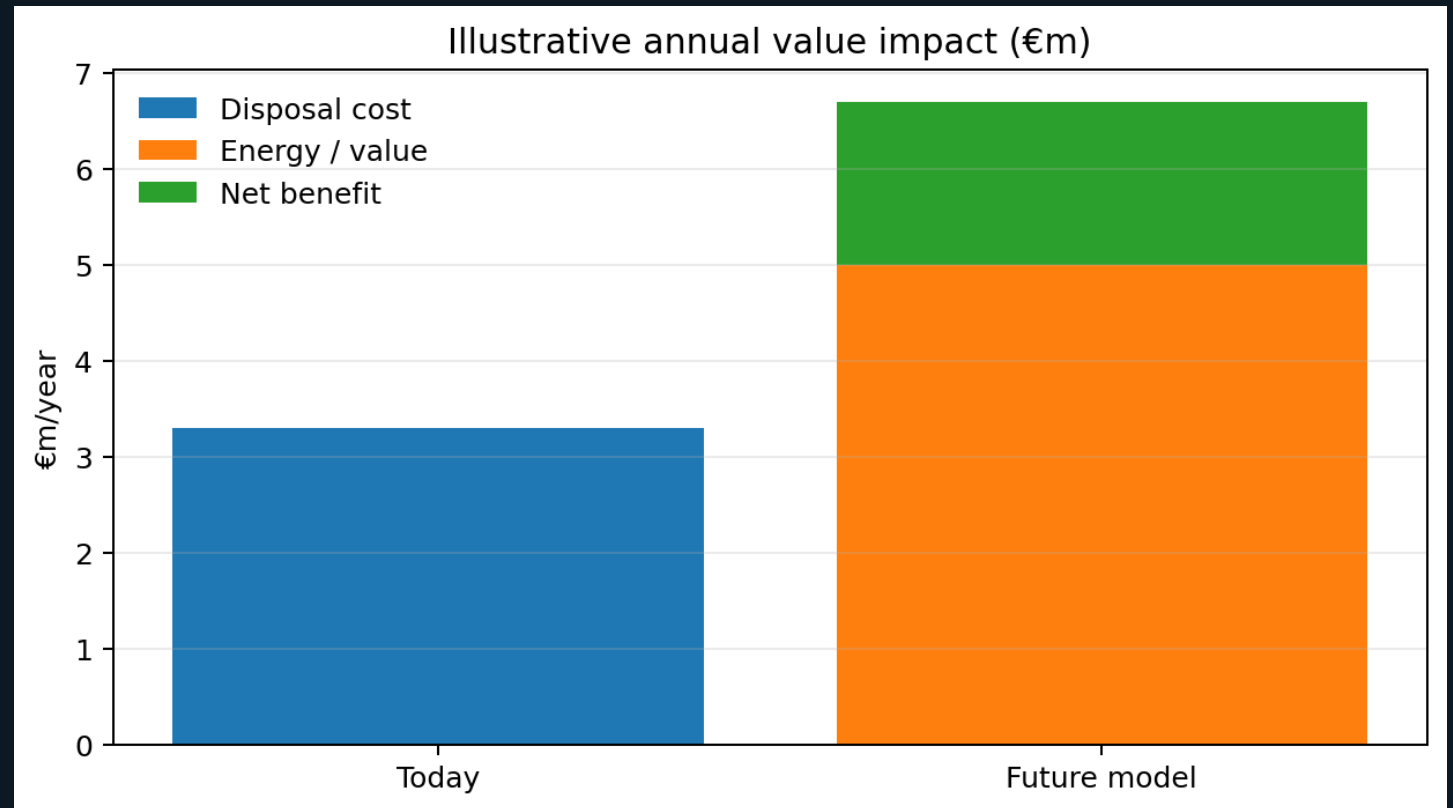
## Example assumptions

Residues: 30,000 t/year

Indicative current disposal level: ~110 €/t

Illustrative annual disposal burden: ~€ 3.3m

Potential conversion into power, heat and value



Key idea: the industrial residue stream can shift from cost exposure to a multi-layered value creation model.

# Why now

Timing supports industrial transformation

## Economics

Disposal costs continue to rise  
Energy remains a strategic cost factor

## Regulation

- Higher pressure on waste handling and emissions
- Growing importance of industrial circularity

## Strategy

Need for resilient supply chains  
Need for stable industrial partnerships

## Image / ESG

Visible contribution to resource efficiency  
Decarbonization and ESG story

# Engineering the circular economy at scale

# Partnership concept

A practical commercial model

## What we need

- Residue stream transparency
- Commercial discussion on volumes and qualities
- Long-term supply agreements / LOIs

## What you gain

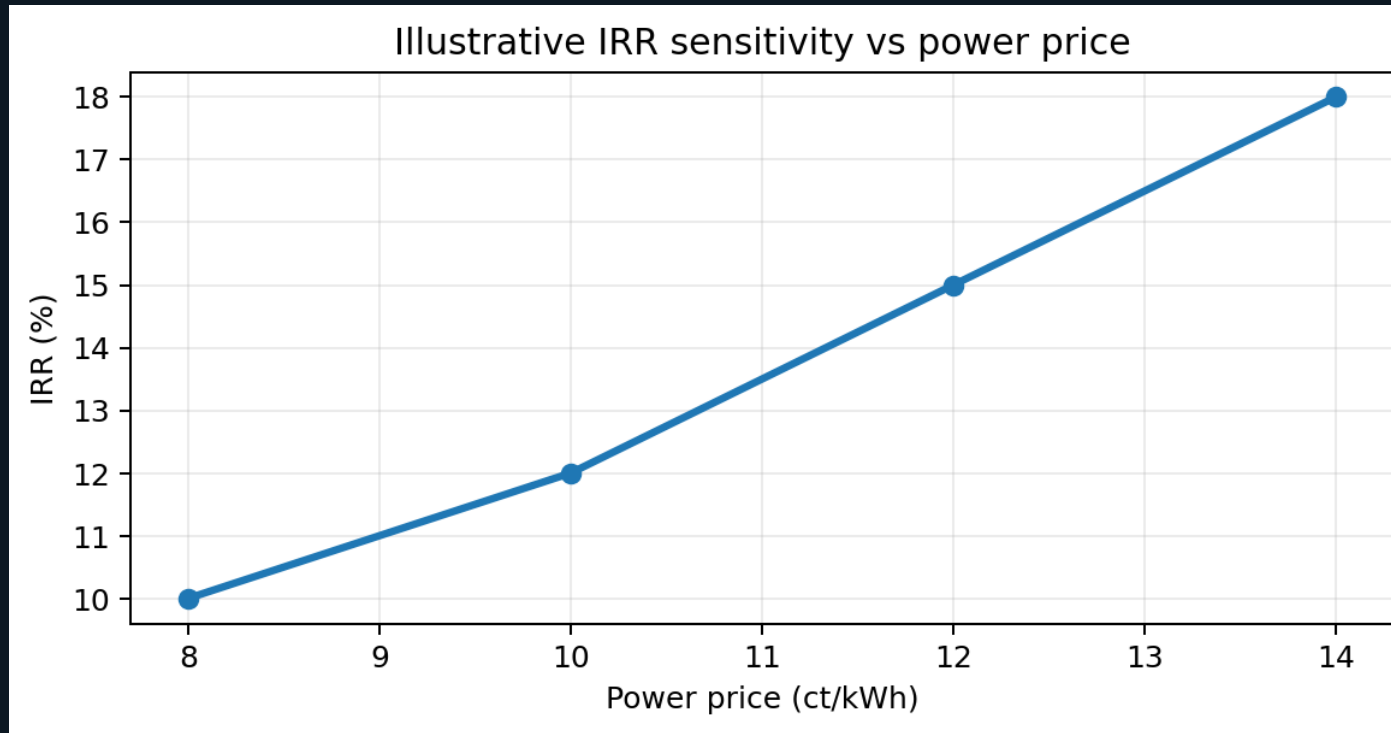
- Predictable disposal solution
- Improved sustainability positioning
- Participation in a circular value chain

## Why it is investable

- Stable industrial revenue streams
- De-risked infrastructure model
- Scalable industrial conversion platform

# Why investors and banks care

Not a merchant-only story



## Investment narrative

Capital-intensive industrial asset  
Long-term infrastructure investment

## Cash flow narrative

Stable contracted input side  
Energy valorization creates upside

## Strategic narrative

Regional industrial strengthening  
A scalable model for industrial resource efficiency

**You already own the resource.  
We unlock the value.**

Next steps: residue stream assessment • commercial framework discussion • LOI development • joint project roadmap