
Building block approach towards sustainable packaging

**NBF Webinar – An update on
bioplastics in Europe 15.10.20**

**Speaker: Annika Sundell, EVP – Innovations
and Business Development**



1. Walki in brief

Walki in numbers



400^M

€ Turnover
(year 2019)



1000

Personnel



12

Production Plants



+ 80 %

of our products are
made from plant-
based renewables.

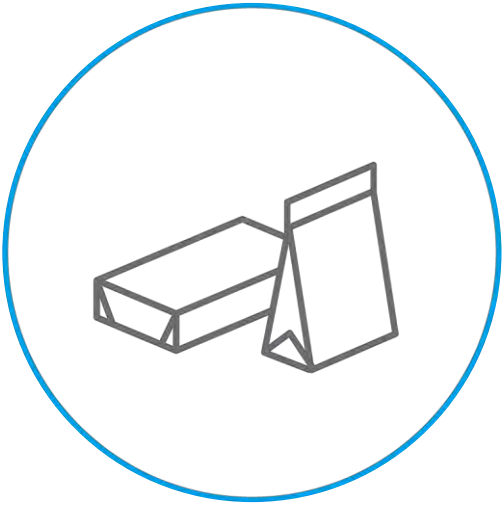
**Operating in
twelve countries.
Privately owned.**



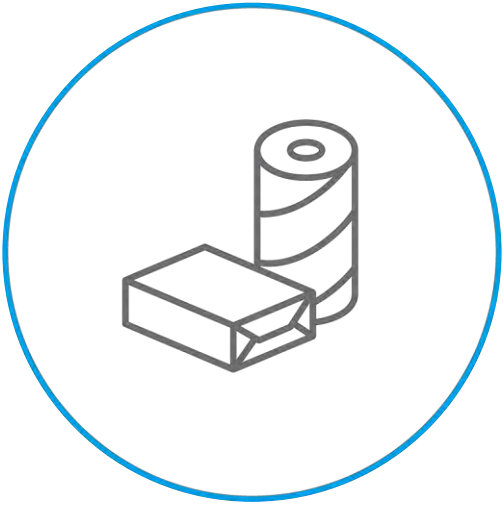
3 000

test runs in pilot
plant scale annually.

Recognised leader in sustainable packaging and engineered material solutions.



**Consumer
Packaging**



**Industrial
Packaging**



**Engineered
Materials**


2. The global challenge

Degrading of ecosystems and resource depletion have enhanced the quality of life of billions of people.

There is a significant opportunity for businesses to help consumers make changes in their purchasing habits.

Combinations of existing and novel technologies initiate the journey of change

3. Our mission

A close-up photograph of vibrant green evergreen branches, likely a cedar or spruce, filling the frame. The branches are in sharp focus in the foreground, while the background is softly blurred, creating a bokeh effect. The overall color palette is various shades of green, from deep forest green to bright, sunlit lime green.

**Our mission is to accelerate the
world's transition into a zero waste
future**

4. Building blocks

CO₂ reduction

Plastic reduction

Compostability

**Sustainable packaging does not come
with a one-fit-all solution.**

Recycled content

Reusable packaging

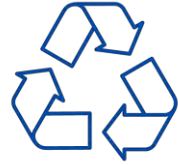
**Packaging weight
reduction**

Zero-Waste Future Platform



Zero Waste Renewable

- Fully plant-based packaging.
- Packaging containing post-consumer, food-approved recycled material.



Zero Waste Recyclable

- Plastic reduction
- Fully recyclable and repulpable packaging



Zero Waste Compostable

- Compostable packaging

	COATING	FILM
Walki®Wood	●	●
Walki®Circular	●	●
Green PE	●	●

	COATING	FILM
Repulpable Water-based coatings	●	
Earthcoating®	●	
Mono-laminates	●	◐

	COATING	FILM
Industrial compostable	●	●
Home compostable	●	●
Marine degradable	◐	●

Walki®Wood PE

CO2 REDUCTION TECHNOLOGY

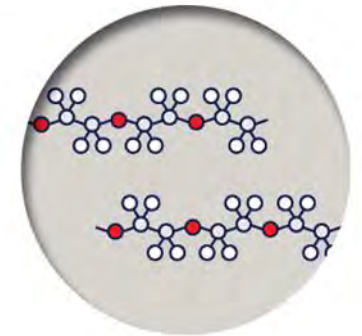
- WALKI® Wood PE originates from tall-oil, a by product from pulp production
- Renewable resource which provides a significant contribution to reduce the level of greenhouse gas emissions.
- ISCC certification – mass balance based – Walkis 4 major plants are certified
- The re-pulpability of this polymer can be evaluated as by standard LDPE coatings when used in paper recycling process.



No contradiction
with food production



Reduced CO2-
emissions



Identical polymers
same properties

5. Solutions

Case example: Fossile free reel wrapping

Zero Waste Platform success story



SOLUTION

Reel wrapper with reduced CO2 footprint and excellent barrier properties.



CHALLENGE

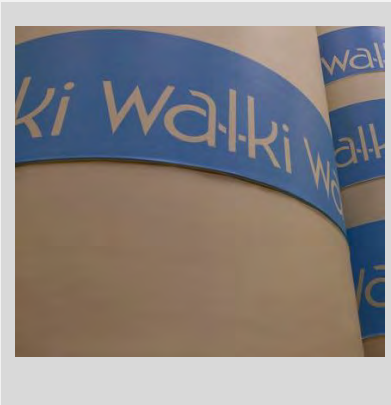
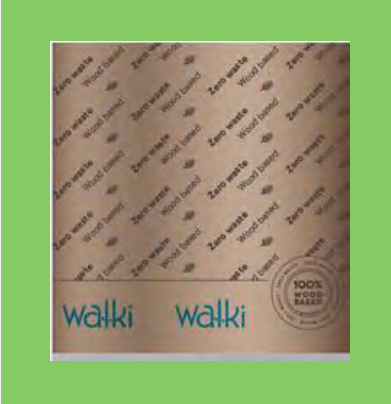
- Decrease CO2 emission
- Increase the renewable content
- Maintaining processability and product protection



WALKI INPUT

- Fine tuning the polymer content
- Transition into alternative moisture barrier
- Significant CO2 saving !

COMPARISON



Case example: Compostable pouch

Zero Waste Platform success story



SOLUTION

Compostable pouch with reduced CO2 footprint and increased renewable content, excellent barrier properties for vegetables.



CHALLENGE

Introduce compostability
Increase the renewable content
Maintaining processability and increasing product shelf-life



WALKI INPUT

Broad polymer and processing know-how in compostable polymers.

COMPARISON





Packaging from renewable source, CO₂ reduction

Plastic reduction

Improved recyclability

Repulpable packaging

Compostable packaging

Less packaging

**We contribute
with our actions.**

Thank you.