



Innovating to Replace Unnecessary Plastics

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EK webinar
16 February 2024

PAPTIC IS A PIONEER IN THE FIGHT AGAINST PLASTICS



Unique packaging material unlike anything else on the market

- **Plastic film replacement** in flexible packaging
- Drop-in solution on **plastic packaging lines**
- **Hyper-scalable** globally through manufacturing as a service

2015

Founded

2018

Production in industrial scale started



Genuinely sustainable

- **Wood based fibres** from sustainable sources
- 50% more resource efficient due to light weighting
- **Recyclability at scale** with paperboards

44.5

MEUR raised

50

Number of countries material delivered to

47

Employees

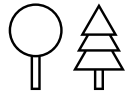
OUR WAY OF WORKING – OBLIGED BY AWARENESS

- Values and mindset for being courageous and explorative for generating innovations and solutions
- Respecting people - diversity, equality and competences through organization and collaboration parties
- Being strong in sustainability and taking awareness along for the common good





Paptic®: next generation wood-fibre packaging materials from Finland



Renewable Raw Materials

Renewable cellulosic raw materials and efficient manufacturing process.



Resource Efficiency

Enables 30-50% better material yield compared to paper (light weighting).

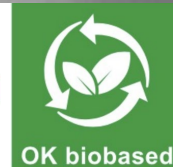


Circular Economy

Supports circular economy approach, especially important for recycling and reuse.



WORLDSTAR
WINNER
2023



Biodegradability

Sustainability is a result of the sum of footprints of the packaging value chain. All fibres used in the material are biodegradable.



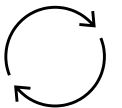
Recyclability

Recyclable in widely available paper and cardboard recycling systems.



Reusability

Paptic is particularly suitable for packaging applications with multiple uses.



Customer cases 2023

Why Paptic was chosen to replace plastics



Blisterpack replacement
Footprint Ltd chose Paptic due to its strength and shelf-attractiveness.



Display cover
Brand chose Paptic as it does not scratch the display.



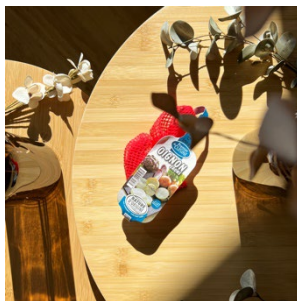
VFFS bag for food
PuukinTila needed a drop-in material to increase onion shelf life.



Fashion b2c polybag
COS (H&M) chose Paptic due to haptics and tear resistance (display hole).



Grocery bag
Iceland chose Paptic due to reusability, haptics and moisture resistance.



Tag for vegetable pouch
Paptic was the only non-plastic material with the needed strength properties.



E-commerce mailer
Lochcarron chose Paptic due to its moisture resistance, strength and haptics.



Toilet tissue wrap
Haptics, silence and puncture resistance differentiates from paper. Strong trend away from plastics.



Hygiene wrap
Silence and haptics are a game changer features unique for Paptic

Under development

In addition, there are several applications with limited opportunities for growth

2015 - 2022

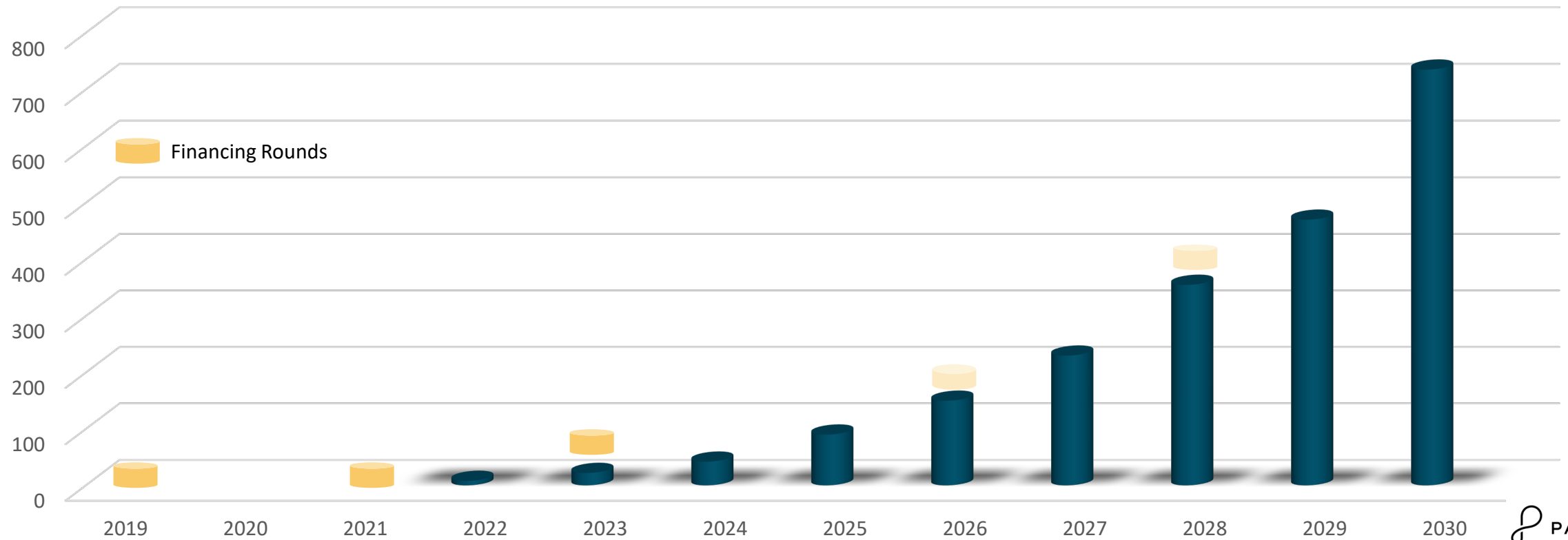
- Material development
- Technology development
- Industrial scale contract manufacturing
- Material testing and validation on the market in selected end uses
- Ensuring systemic recyclability and circularity

2018 - 2025

- Targeting production efficiency via dedicated manufacturing
- Ramp-up of new production partnerships, including foam technology.
- Preparing for global scalability
- Scale-up phase in Europe to reach EUR 100 million revenue

2026 -

- Upscaling the carbon neutral business globally
 - Contract manufacturing
 - Licensing
 - Own production
- Being fit to existing circular systems and supporting circular system development in cooperation with customers



European
Innovation
Council

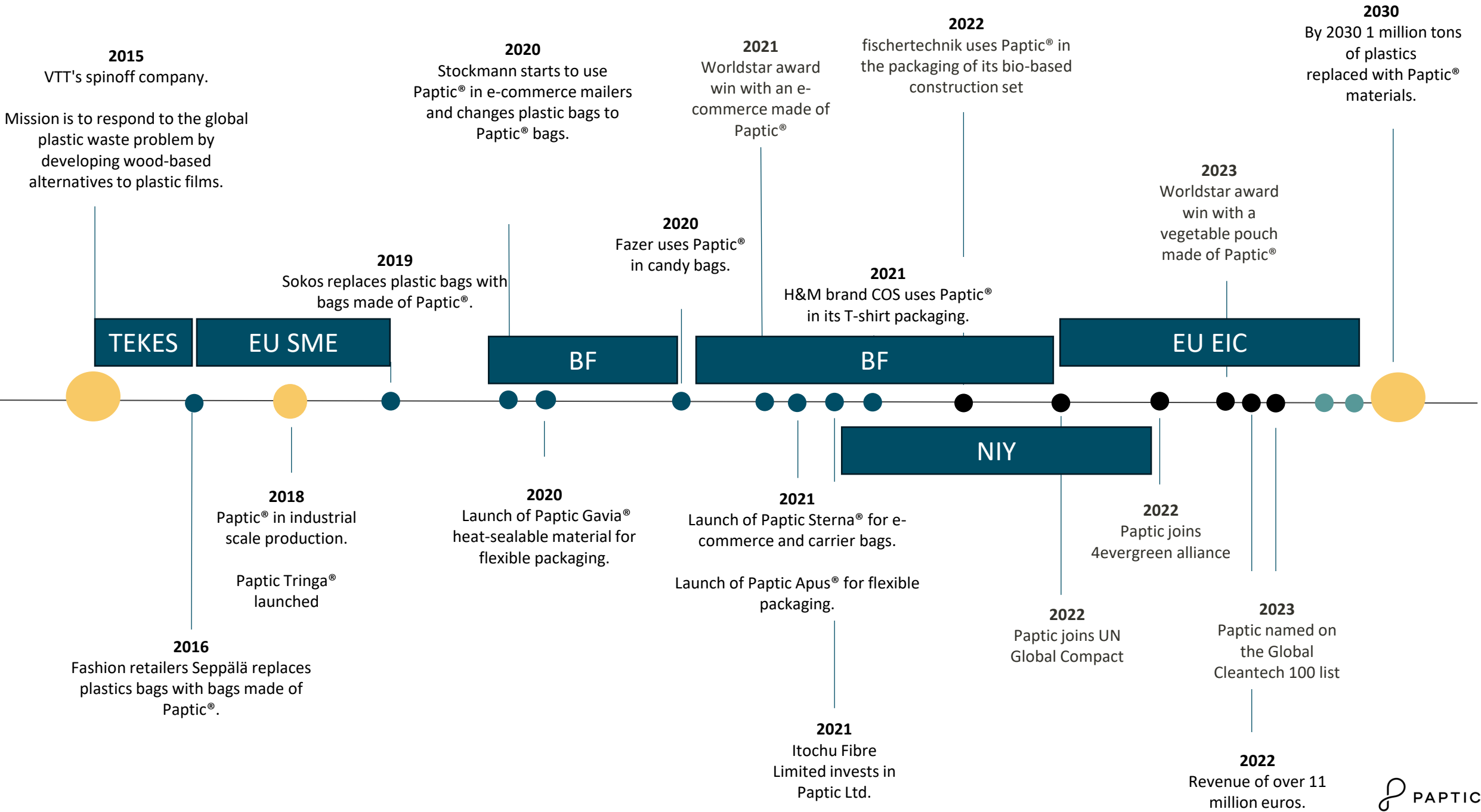


Paptic Ltd receives a

grant £1.1m admining from

European Innovation Council!





OUR LEARNINGS IN INNOVATION FUNDING

1. Do not apply funding because it is available. Use it to do more, quicker, better.
2. Utilize external R&D partners and their programs. Use parallel project models.
3. Be realistic with your own resourcing. Project management also takes time and resources.
4. Many instruments available also on European level. Seek help to apply.

Because the World Needs Better Packaging Materials

