



Paptic® technology and product upscaling with KCL capabilities

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Paptic
**Because the world needs better
packaging materials**

Paptic is a Pioneer in Fibre Packaging Innovation

Paptic Ltd was founded in 2015 in Finland to address the plastic waste accumulating in the environment.

44.5

MEUR raised

41

Employees

2018

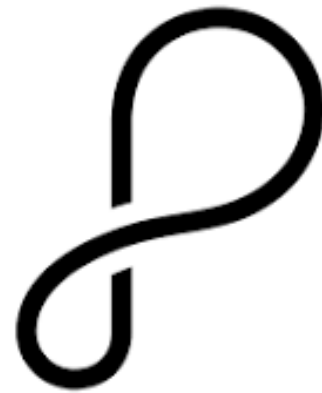
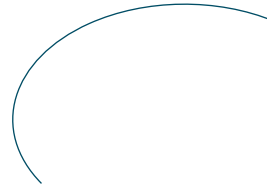
Production in industrial
scale started

50

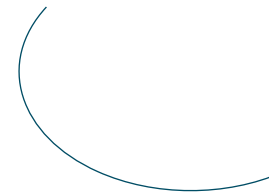
Number of countries
material delivered to

Flexibility and runnability of

Plastic film

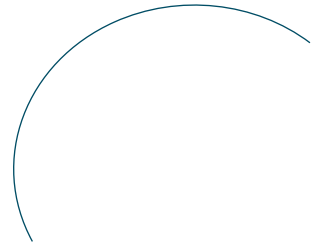


PAPTIC



Sustainability of

Paper



Softness of

**Non-woven /
textile**

Paptic segments



Bags



Product packaging



Hygiene

Paptic creating value at every step of the value chain

Cellulosic-fibres

Wood based pulp from sustainably managed FSC® forests are used as input for all the fibres and primary components of Paptic materials.

Additives

Paper, non-woven & textile additives.

Paptic® products

Innovation and production of flexible packaging materials



Paptic® wet & foam laid manufacturing

Two manufacturing platforms. Proprietary foam technology and products.

Converters

Converters (Packaging Manufacturers) transform Paptic materials into semi-finished or finished packaging formats by coating, printing, use-specific slitting or wicket bag converting

Brand owners

Product Manufacturers or their contracted partners fill and seal the converted packaging with their products

Distribution to end consumers

Wholesale and retail chains, and e-commerce players sell packaged product to end consumers

Added value

Paptic provides renewable, recyclable alternatives to plastics

Paptic provides material that can be coated, printed and converted

Paptic provides material that enables competitive TCO-costs

Paptic provides materials which supports brand image and sustainability

Addressing regulatory requirements and market preferences

Regulatory Themes

Climate Change Mitigation

Cascade principle

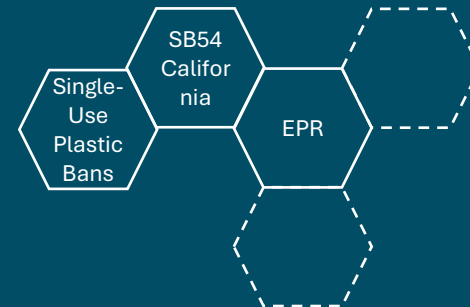
- Reusability
- Recyclability
- Compostability
- Recovery

Traceability through Supply Chains

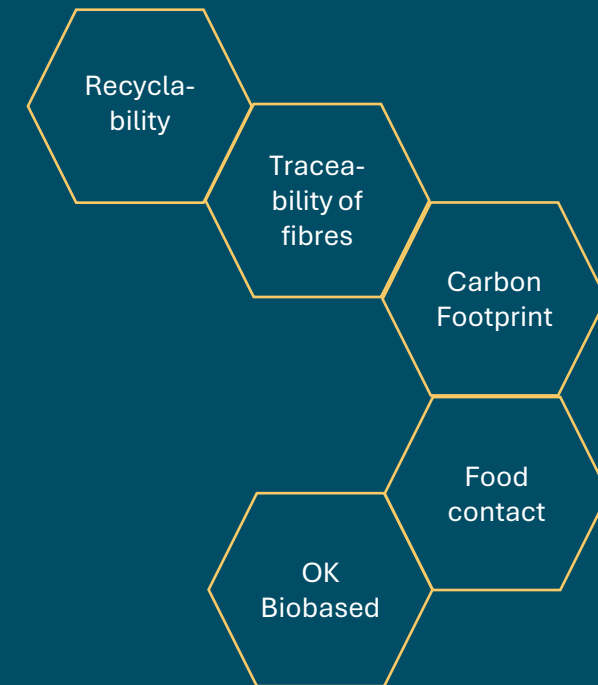
Positioned to comply with the current and upcoming Regulation



Examples from other markets



Product Claims and Certifications



Paptic Product Portfolio & Product Innovation

Paptic product families

Paptic Tringa®

Paptic Tringa® is a superior touch packaging material for sensitive surface product packaging, e-commerce mailers, and luxury packaging.

Available in:
80 gsm, 110 gsm and 140 gsm



Sensitive surfaces

Paptic Sterna®

Paptic Sterna® provides excellent printability combined with premium feel and foldability to serve especially retail carrier bags, tags and bands as well as e-commerce mailer end-uses.

Available in:
85 gsm and 100 gsm



Bags



Sensitive surfaces

Paptic Perdix®

Paptic Perdix® is a lightweight, soft touch and silent solution designed for hygiene and sensitive surface applications.

Available in:
30 gsm, 40 gsm
40 gsm HS



Sensitive surfaces



Hygiene

Paptic Forster®

Paptic Forster® is a next-generation cost-efficient premium material providing new performance levels for fibre-based packaging, made possible by our innovative foam-forming technology.

Range:
20-60 gsm



Hygiene



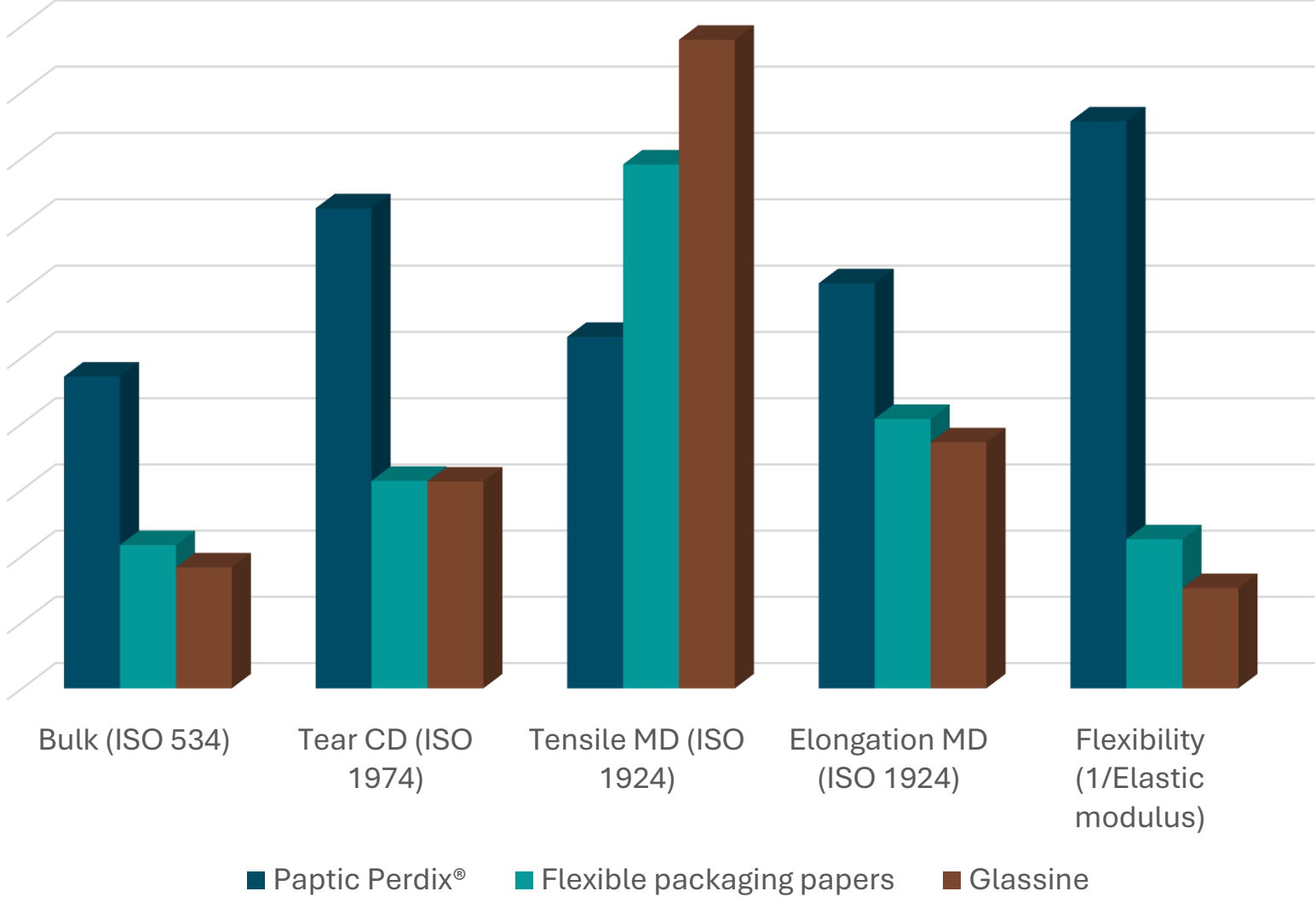
Sensitive surfaces

Modified specialty paper manufacturing process

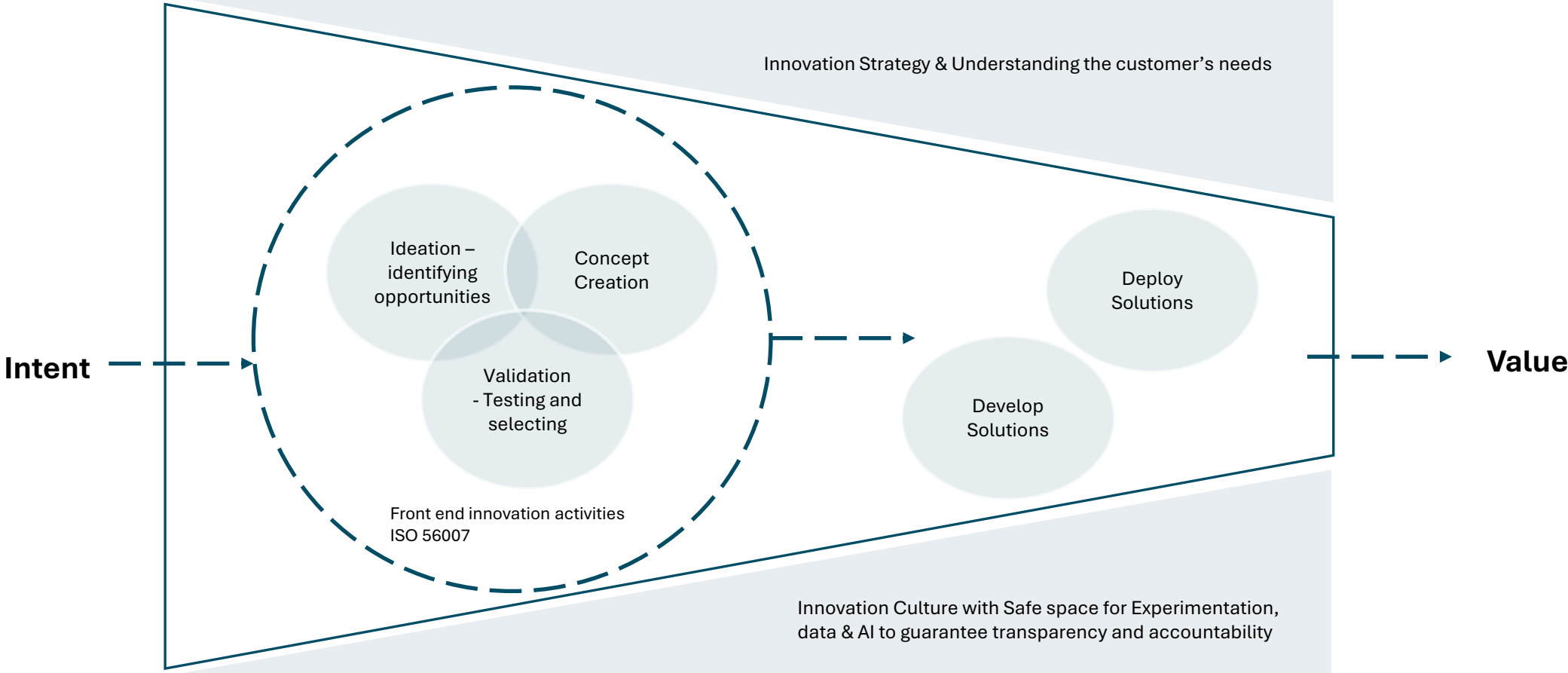
Proprietary patented
manufacturing process and
products

Technical features of Paptic amongst papers

→ Plastic like runnability on Packaging lines



Idea-to-Market – Efficient Innovation based on Innovation Management System ISO 56002



Paptic New Product Pipeline

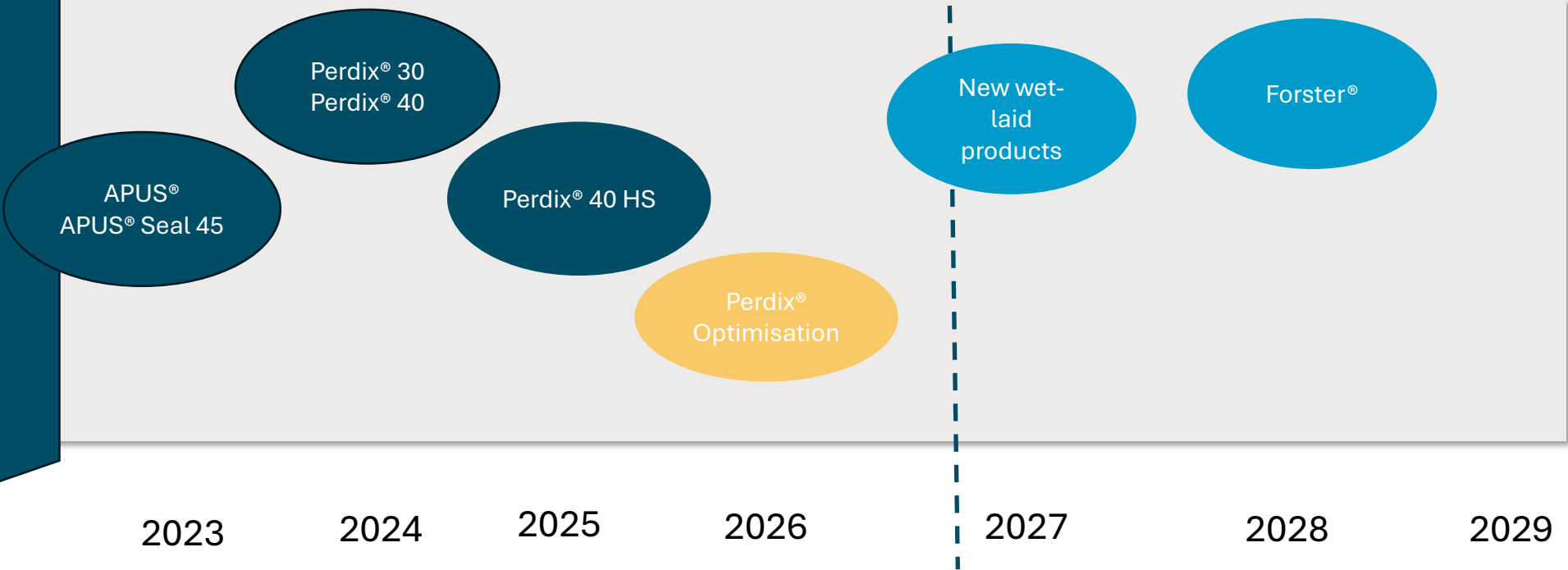
Development stage

● Deployment

● Development

● Validation

Idea Pipeline



2023

2024

2025

2026

2027

2028

2029

Product launch plan



Paptic Forster®

Scale-up through parntering

Beyond Paper

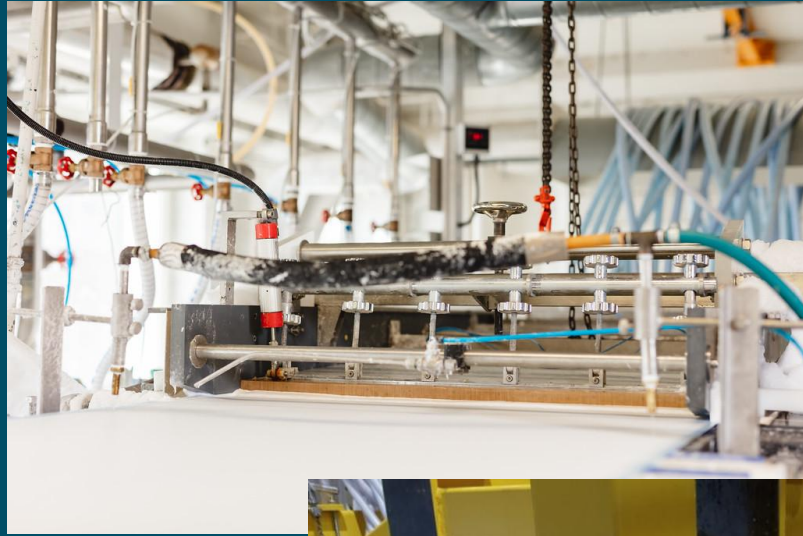
Paptic is excited to move forward with its foam technology scale-up with Paptic Forster®, a next-generation packaging material that delivers functional performance beyond traditional paper while improving cost efficiency.

Paptic Forster® will be produced with a new, innovative production set-up and product recipe that Paptic aims to scale through a significant industrial investment and product development efforts with value chain partners. KCL-pilot in key role in demonstrating these.

Foam process allows use of broad range of raw materials and development of a new range of materials not possible to produce via wet-laid technologies.



Paptic's Foam scale-up with partners



KCL-pilot



Paptic-
movable
pilot

- KCL as long-term key piloting and partner – flexibility and customer centricity → hybrid set-up with Paptic
- The KCL new set-up leverages Paptic's widely patented technology, validated through years of piloting and development.
- Industrial demonstration options with Paptic designed and owned industrial movable pilot
- Next step in 2026 - customer and end-use focused product development

Thank you!