



Product development focus areas

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Metsä Board
Capital Markets Day 2017

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The background consists of various overlapping geometric shapes in shades of green, yellow, and white, creating a layered, paper-like effect. The colors range from dark forest green to light lime green and pale yellow.

How Metsä Board approaches R&D

Innovation for growth

Megatrends driving
growth of packaging



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Our key product development focus areas

Metsä Board – key product development focus areas

Sustainable lightweighting

Improved BCTMP

Microfibrillated cellulose (MFC)

Strength additives

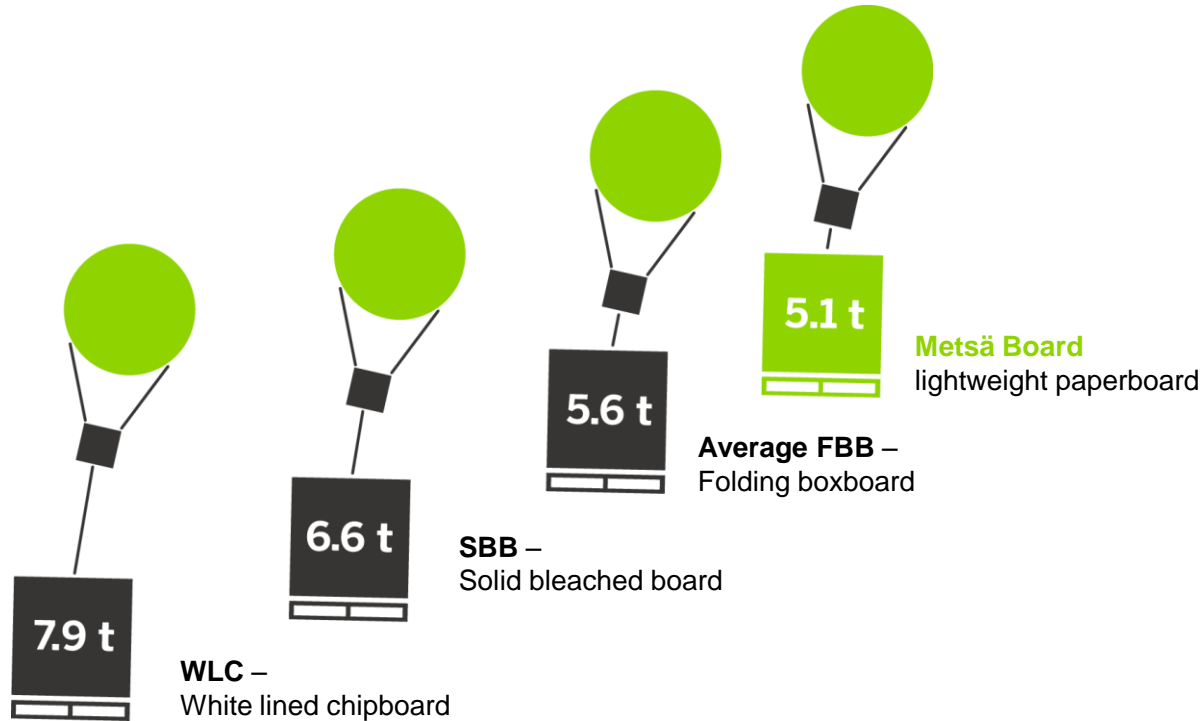
Barrier board

PE extrusion coated products

Dispersion barriers

Bio-based raw materials

Lighter-weight paperboards: Better with Less

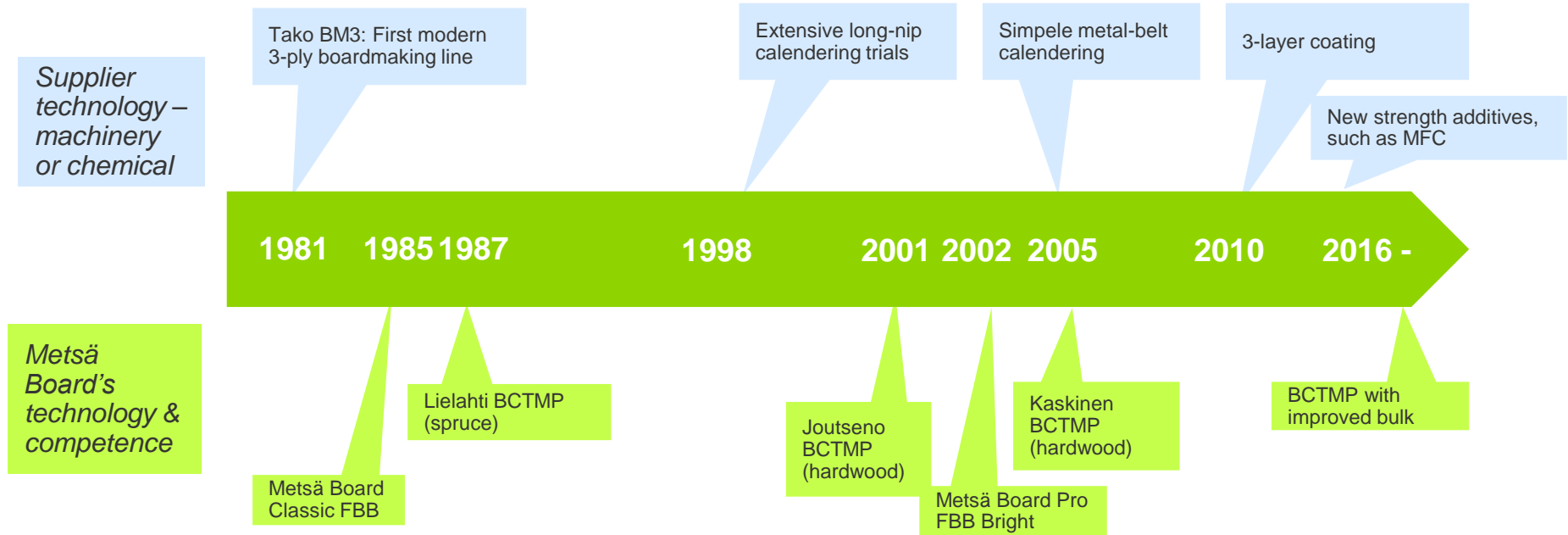


**Anybody can make
lightweight paperboard**

**...but we can make it with
excellent printability,
high stiffness
and a smooth surface.**



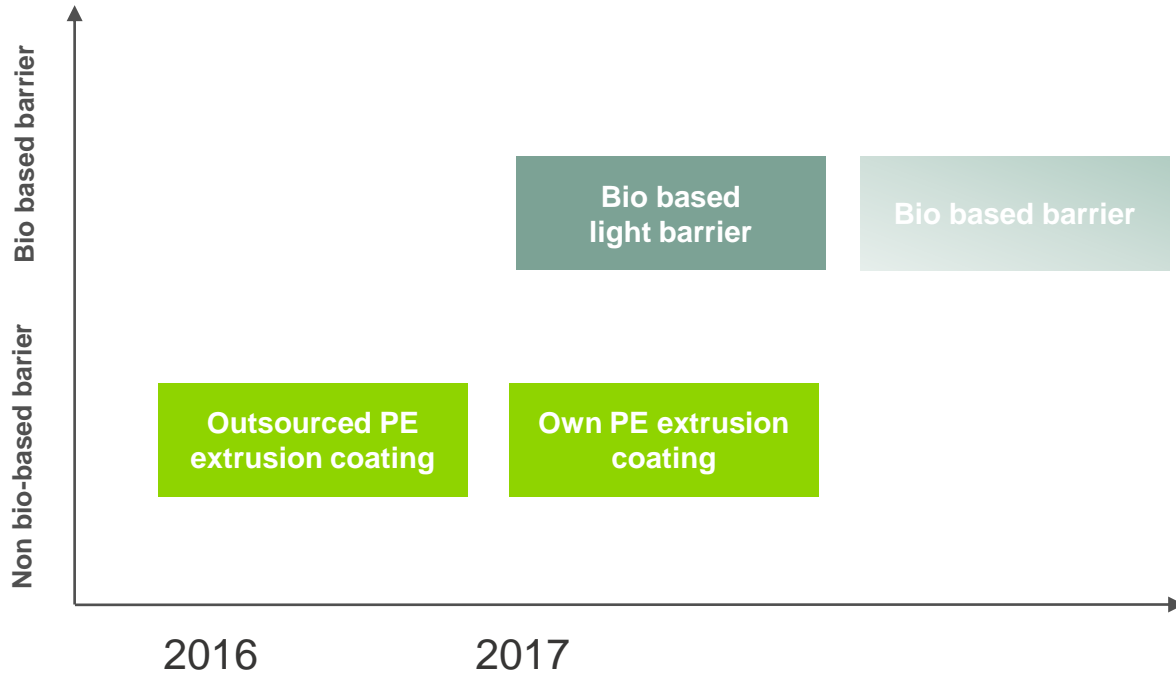
Metsä Board has a **strong track record** in lightweighting



The background features a complex, abstract composition of overlapping geometric shapes, primarily triangles and polygons, in various shades of green and yellow. The shapes are layered, creating a sense of depth and movement. The colors range from dark forest green to light lime green and pale yellow. The overall effect is modern and dynamic.

**Applying latest technology
in extrusion coating**

Metsä Board **Barrier boards** roadmap



Major investment in PE coating

- 100,000 tons extrusion coating capacity
- PE is the mainstream barrier solution today
- PE fulfills important barrier requirements:
 - Good water and moisture barrier
 - Grease barrier (short time e.g. for food service)
 - Good heat sealing properties
- Husum PE coating line utilises latest technology and benefits from a fully integrated production site



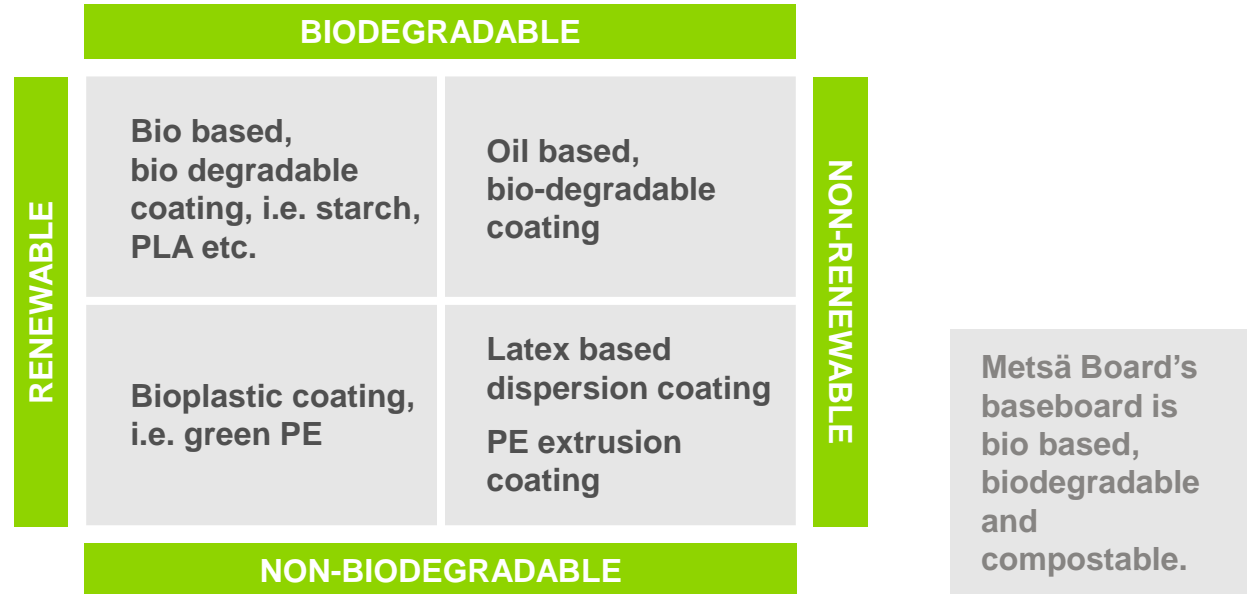
Extrusion coating line with latest technology

- Start up in April 2017
- Capacity around 100 000 t/a
- Drive speed 600 m/min
- Max trim width 3480 mm
- Tandem line with two coating stations
- Reels 1,5 and 1,8 diameter
- Products LDPE coated FBB and FSB 12-18 g/m² 1 or 2 two side coated





Barrier boards types



Summary

- We have a strong technology partner network and are know for our readiness to trial innovative technologies
- Husum PE coating line represents latest technology and efficiency
- We continue to investigate and develop new lightweighting solutions
- We continue the development of bio based barrier solutions



Make the most of Metsä Board

