

Xylophane

A barrier material renewing
the packaging industry

Håkan Grubb - CEO



Xylophane – the product

Xylophane

Xylophane offers a renewable multi-barrier to protect content like food

Oxygen



Grease



Aroma



Xylophane



Xylophane →



The industry

Xylophane enables new packaging solutions on a gigantic global market with high pressure on new solutions based on renewable material

The market is enormous...

- Xylophane acts on a multi billion Euro market



...and global...

- The solution that Xylophane offers is needed and similar everywhere, i.e. good packaging solutions can be sold worldwide



...but the dominant materials used today are “wrong”

- Negative for the environment (plastic and aluminium)
- Based on material with increasing cost (oil and aluminium)



- Xylophane product based on renewable material (forest or agricultural industry)
- Huge supply of raw material => good price performance over time



...and the regulators and consumers want new solutions

- Regulators favors packaging solutions with renewable material
- Very high customer interest in Xylophane's packaging solutions



Xylophane

Xylophane – the product

Xylophane is made from residues, applied with conventional industrial processes and is typically used by the food industry

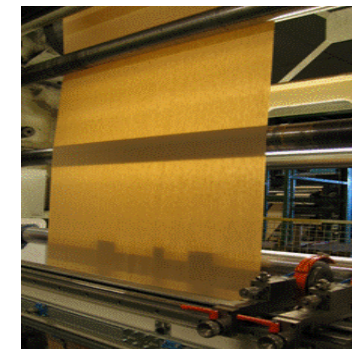
- Xylan is the substance used
- An unexploited carbohydrate in wood and plants
- Available everywhere
- Through extraction from wood and agricultural residues



Applied through conventional industrial processes onto

- paper
- board
- plastics

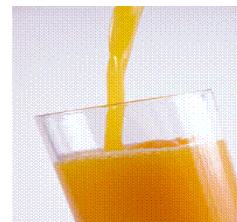
through dispersion coating



Typical customer applications: barrier to

- Oxygen
- Grease
- Aroma

Oxygen



Juice

Grease



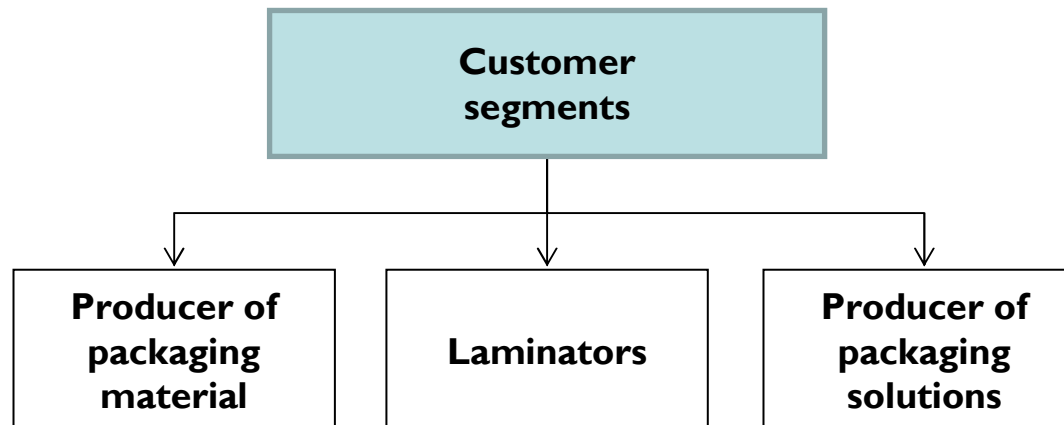
Snacks

Aroma



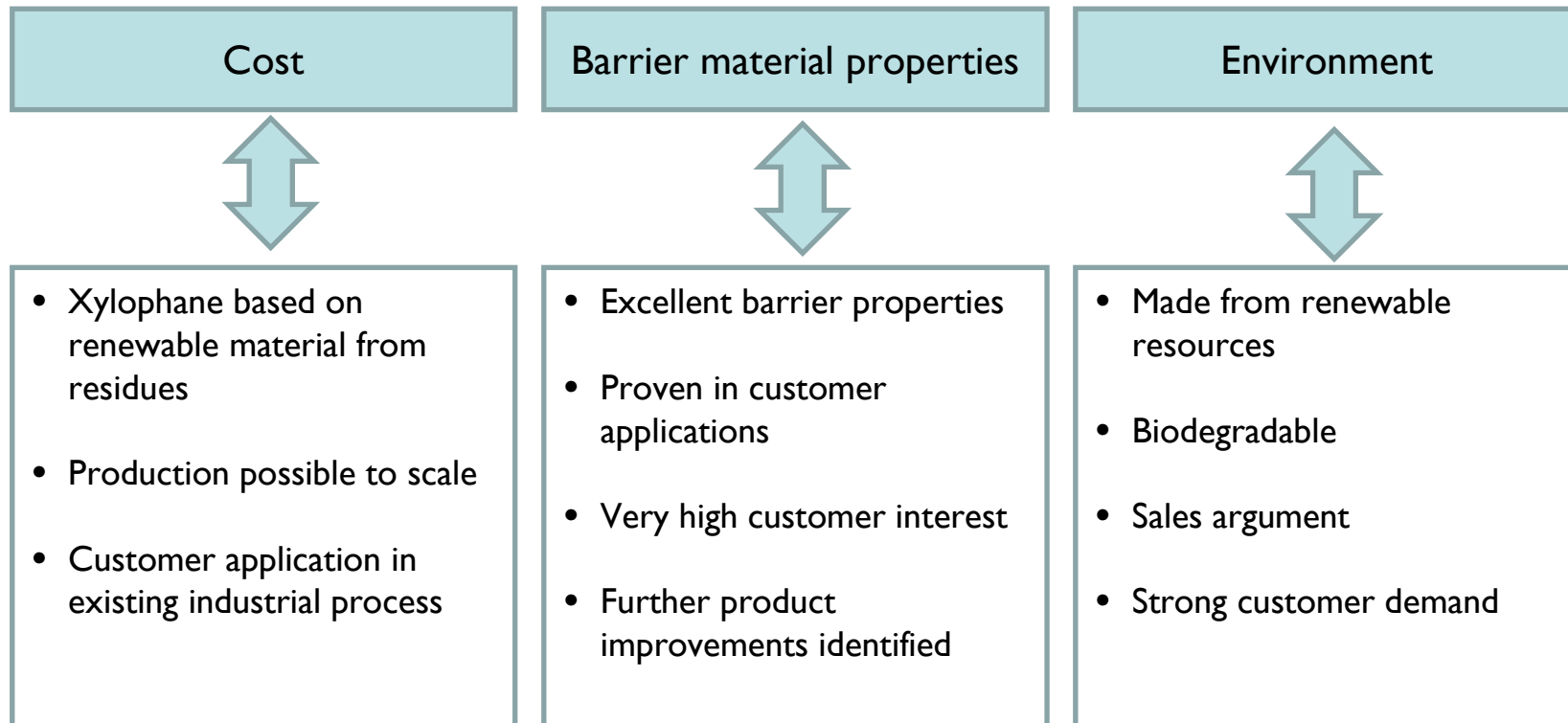
Spices

Xylophane acts on a growing multi billion Euro market with increased demand on environmentally sustainable products



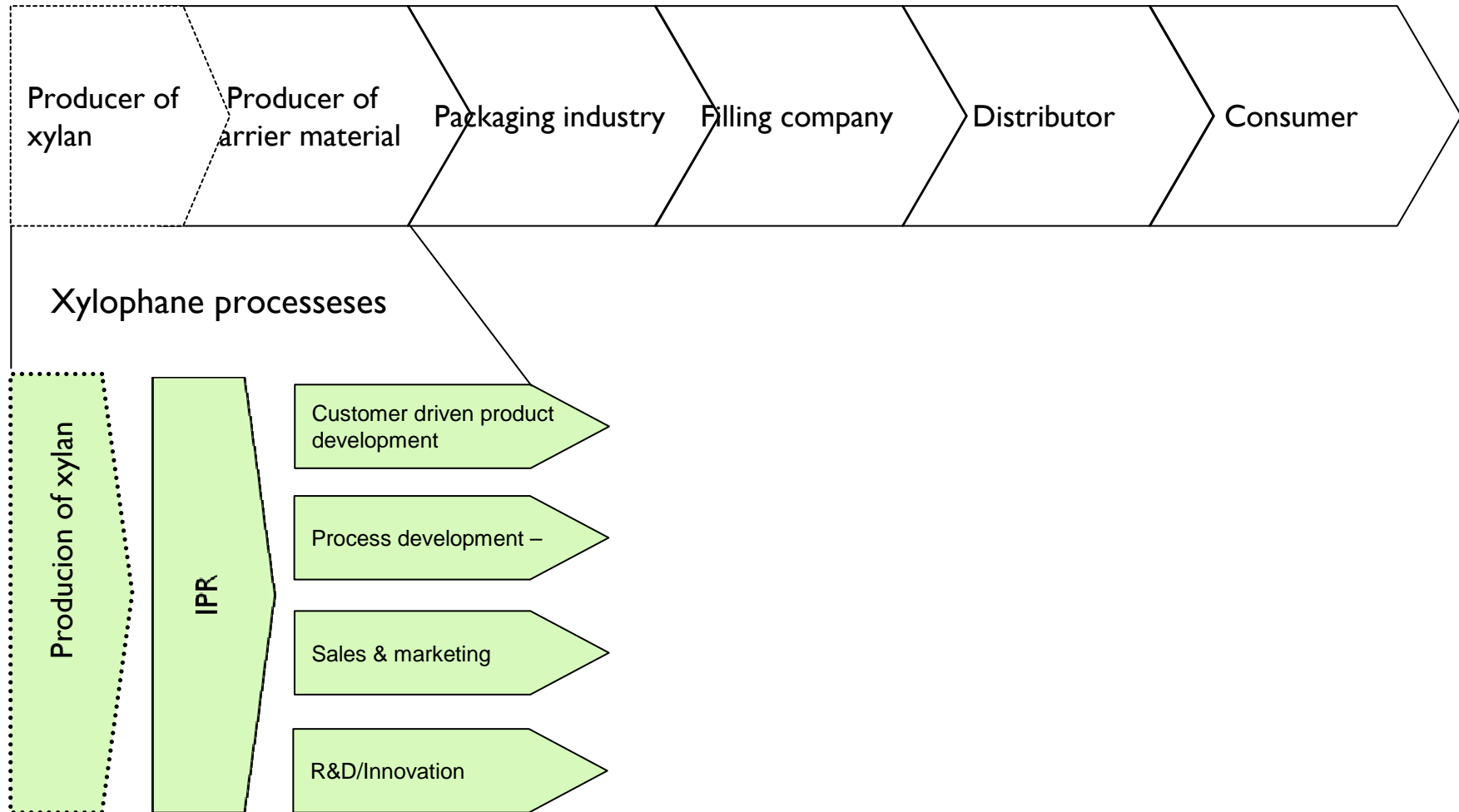
Xylophane will give its customers a competitive edge with excellent cost and barrier properties as well as fulfilling environmental demands

Three main market drivers



Business model

Besides sales & marketing great focus will be on product development and IPR



The Xylophane team

The Xylophane team and Board of Directors is a balanced mix of management, technical expertise and industry experience

The Xylophane team



Håkan Grubb, M. Sc
CEO



Maria Gröndahl, M.Sc., Ph.D
Product and business
development



Lisa Eriksson, M.Sc.
Product and business
development



Mathias Danielsson, M.Sc.
Process development



Erik Sternemalm, M.Sc.
Technical development

Board of directors



Christer Rönnegård
Tetra Pak



Sven Rosman
Stora Enso



Paul Gatenholm
Professor, Chalmers
University of Technology



Olle Stenberg
Chalmers Innovation



Jakob Svärdröm
KTH Chalmers Capital

- Company since 2004
- All three founders of Xylophane are still active in the company
- Office and R&D in Göteborg, Sweden

Summary

Xylophane acts with a strong product on a strong market with a strong team

- **Large and growing global market**
- **Market in need for new products for sustainable packaging**
- **Excellent barrier material properties – proven in customer applications**
- **Strong management team**
- **Next step towards market introduction – Pilot production**

Thank you!

Håkan Grubb - CEO

Mobile: +46 730 881 198

hakan.grubb@xylophane.com

www.xylophane.com



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