

Green Fiber Bottle

Innovate or Evaporate

Molded Fiber

~Since 2005~

Green Fiber Bottle

~Since 2010~

IDT Technology

~Since 2013~

Green Fiber System

~From 2016~



Molded Fiber

~Since 2005~

Green Fiber Bottle

~Since 2010~

IDT Technology

~Since 2013~

Green Fiber System

~From 2016~



Molded Fiber

~Since 2005~

Green Fiber Bottle

~Since 2010~

IDT Technology

~Since 2013~

Green Fiber System

~From 2016~



”Business Angels”

Molded Fiber

~Since 2005~

Green Fiber Bottle

~Since 2010~

IDT Technology

~Since 2013~

Green Fiber System

~From 2016~



Molded Fiber

~Since 2005~

Green Fiber Bottle

~Since 2010~

IDT Technology

~Since 2013~

Green Fiber System

~From 2016~



Customer

- FMCG



15 million “Followers”

Forbes / Leadership

JAN 18, 2016 @ 10:00 AM 1,086 VIEWS

Will Carlsberg Ever Sell Beer In Wooden Bottles?

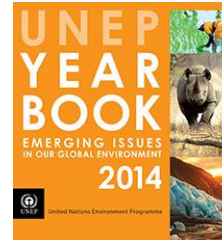
“So whether Carlsberg ever introduces wooden bottles at retail may be somewhat beside the point. Communicating its ongoing pursuit of such sustainable innovations informs the broader perspective of the company and its brands, contributing to its messaging while giving it ideas it can apply to its business in real-time.”

Customers

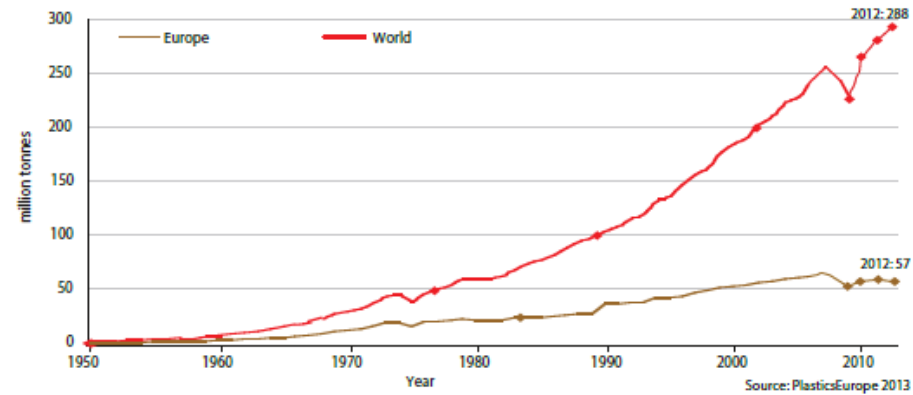
- FMCG

Problem

- Global concern



Growth in plastics production 1950-2012

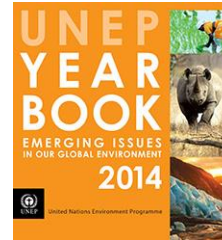


Customers

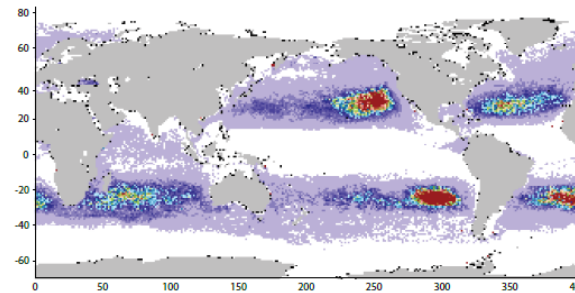
- FMCG

Problem

- Global concern



Growing concern about microplastics



© IPRC

Plastic Waste Causes Financial Damage of US\$13 Billion to Marine Ecosystems Each Year as Concern Grows over Microplastics

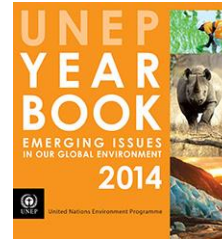
ma, jun 23, 2014

Customers

- FMCG

Problem

- Global concern



The key to reducing inputs of plastic debris is at the source



© Bill Macdonald

Customers

- FMCG

Problem

- Global concern



**World Economic Forum
Annual Meeting 2016**

20-23 January 2016 Davos Klosters, Switzerland

The New Plastics Economy: Rethinking the future of plastics

“By 2050 oceans are expected to contain more plastics than fish (by weight), and the entire plastics industry will consume 20% of total oil production and 15% of the annual carbon budget”

Customers

- FMCG

Problem

- Global concern
- Political reaction

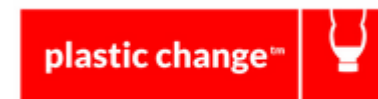
PackWebasia.com
The News Network for the Asian Packaging Community

India plans total ban on non-biodegradable plastic packaging

Wednesday, 24 June 2015 00:28 Written by Staff Reporter



INDIA - The Indian government has introduced draft Plastic Waste management and handling legislation, that when implemented before the end of 2015, will ban all non-compostable or biodegradable plastic packaging.



Customers

- FMCG

Problem

- Global concern
- Political reaction
- Megatrend



**DELIVERING THE
CIRCULAR ECONOMY
A TOOLKIT
FOR POLICYMAKERS**

THE OPPORTUNITY FOR DENMARK

In Denmark, ecoXpac produces a cellulose fibre-based material that can be moulded like plastics and is biodegradable. In a partnership with Carlsberg, The Carlsberg Foundation and the Technical University of Denmark, and using Cradle2Cradle® design principles, they are developing the first bio-based, biodegradable beer bottle.²⁶³

Customers

- FMCG

Problem

- Global concern
- Political reaction
- Megatrend

Solution

- Green Fiber Bottle (GFB) have cracked the code for a future where packaging regulation is set to rise and resources is set to dwindle.



KNOCK ON WOOD

A biobased bottle made from sustainably sourced wood-fiber.



AS GOOD AS GREEN

Strong, durable material, 100% compliant with the strictest food and beverage regulations.



ZERO WASTE

Will be 100% biodegradable and generate 0% waste.

GFB Finance

- 2013-15: DKK 30 mio.
 - R&D
 - IPR
 - One Company



 **MARKEDS**
MODNINGSFONDEN

 **Miljøministeriet**
Ecoinnovation

 eurostars™



 **InnovationsFonden**
FORSKNING, TEKNOLOGI & VÆKST I DANMARK

”Business Angels”



GFB Finance

- 2016-18: DKK 100 mio.
 - Carlsberg Wood-Fiber Bottle
 - Preparation for WW Launch



BILLERUDKORSNÄS

Press Release

11th January 2016, Solna, Sweden

BillerudKorsnäs strengthens competence in formable packaging

BillerudKorsnäs has strengthened its competence in formable packaging through a smaller

