



Infinited Fiber Company

New sustainable closed-loop textile fiber production
technology - no compromises for comfort and quality



The Infinited Fiber Company®



Problem

Cotton availability

Polyester and viscose
sustainability

Changing consumer behavior



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New solutions needed as present materials have availability and sustainability problems

Textile fiber usage grows 84% by 2030 ¹

2% less cotton by 2030 ¹

1 kg cotton = 20 000 litres water

85% plastic waste in oceans from synthetic materials ²

Viscose emissions 3× permitted limits ³

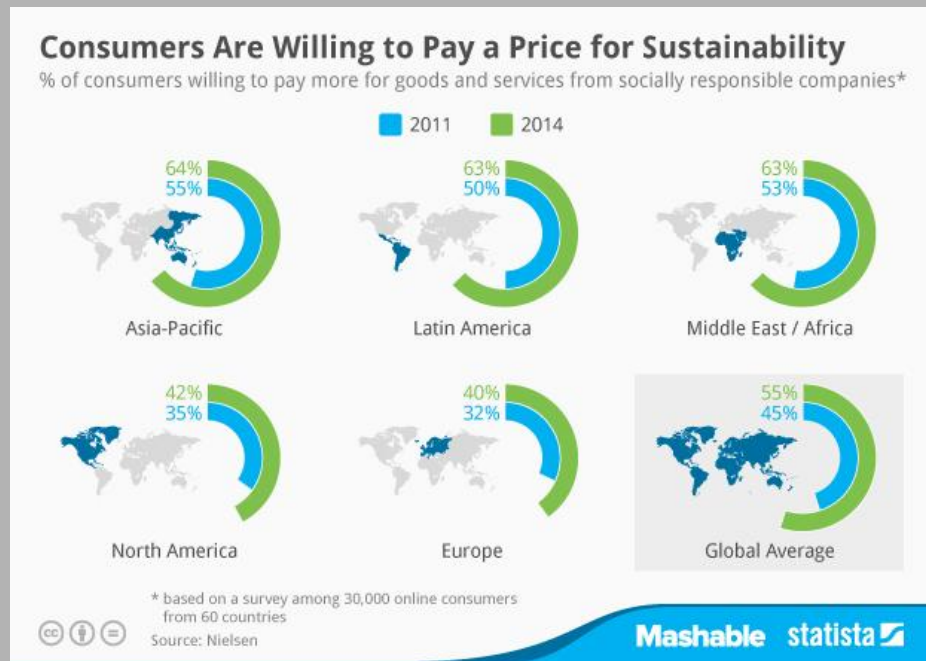
Only <20% of textiles recycled



¹ Dr . Franz Martin Hämmerle; report of the cellulose gap; published Lenzinger Berichte 89 (2011) 12-21.

² Dr . Mark Browne, University of New South Wales, Australia, 2011 report

Globally people are actively seeking for sustainable products and express good loyalty and willingness to pay for them



81% sacrifice for environmental issues ¹

88% more loyal to sustainable products ¹

95% in BRIC countries seek responsible products ¹

55% pay more for positive impacts products ²

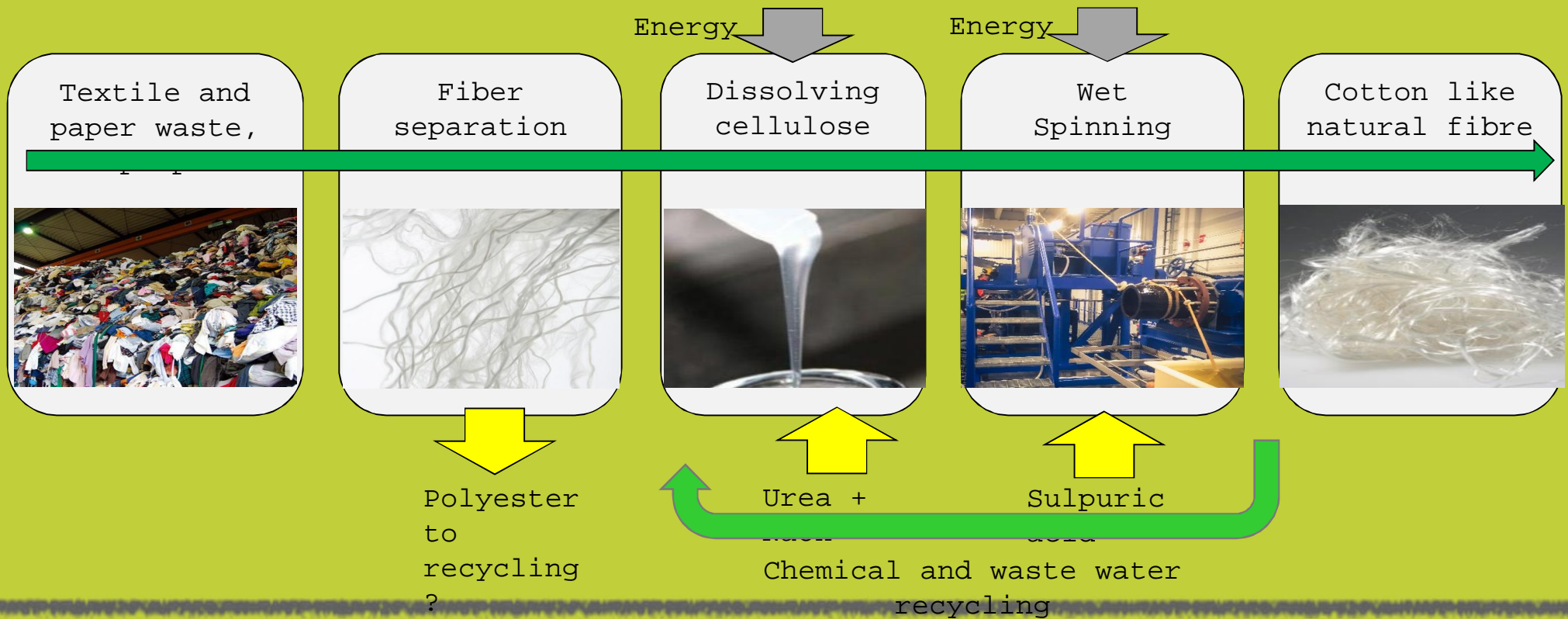
Millennials 12× responsive to sustainability

Generation Z (age 12-21) more responsive

¹ <http://www.conecomm.com/2015-global-csr-study>

² Nielsen 2014 report - how consumer value the sustainability

We have developed sustainable technology producing cotton like textile fiber from waste materials and residue biomaterials





Value proposition

Competing fibers

Competing technologies



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Infinite fiber is unique circular cotton fiber solution producing new and better cotton



Transforming waste into resources

- Closed loop solution to the textile waste problem
- Pre and post consumer textile waste transformed into a brand new material



Low environmental impact

- Less water used than viscose
- Up to 20.000 litres less water per kg than cotton
- Carbon positive
- 160 000 ha less forest harvests than viscose
- 10% of cotton replaced

= food for 1 billion people



Cost savings in the process

- Lower production cost
- Reduced use of chemicals, dyestuff, water and energy due to higher colour uptake



A high performance new fiber

- Natural feeling similar to cotton
- Anti-bacterial properties
- 30-40% Higher colour uptake

Infinited fiber has it's own unique value proposition among competing cellulose technologies and new materials

Material segment	Pulp production technology	Fiber production technology
Tencel	Saxion University	Refibra, EvRnu, Wornagain
Cotton		Infinited Fiber Company
Viscose	Re:newcell	

Brands renewing material strategies, manmade cellulose fibers role grows



Manmade cellulosic fibers >40% of all fiber usage by 2030



Objective to replace 30% of cotton in jeans with Infinited fibers



Wants to replace polyester in their disposal products

TOMMY  HILFIGER

Sees major potential in menswear with new, cotton like fibers



Market entry strategy

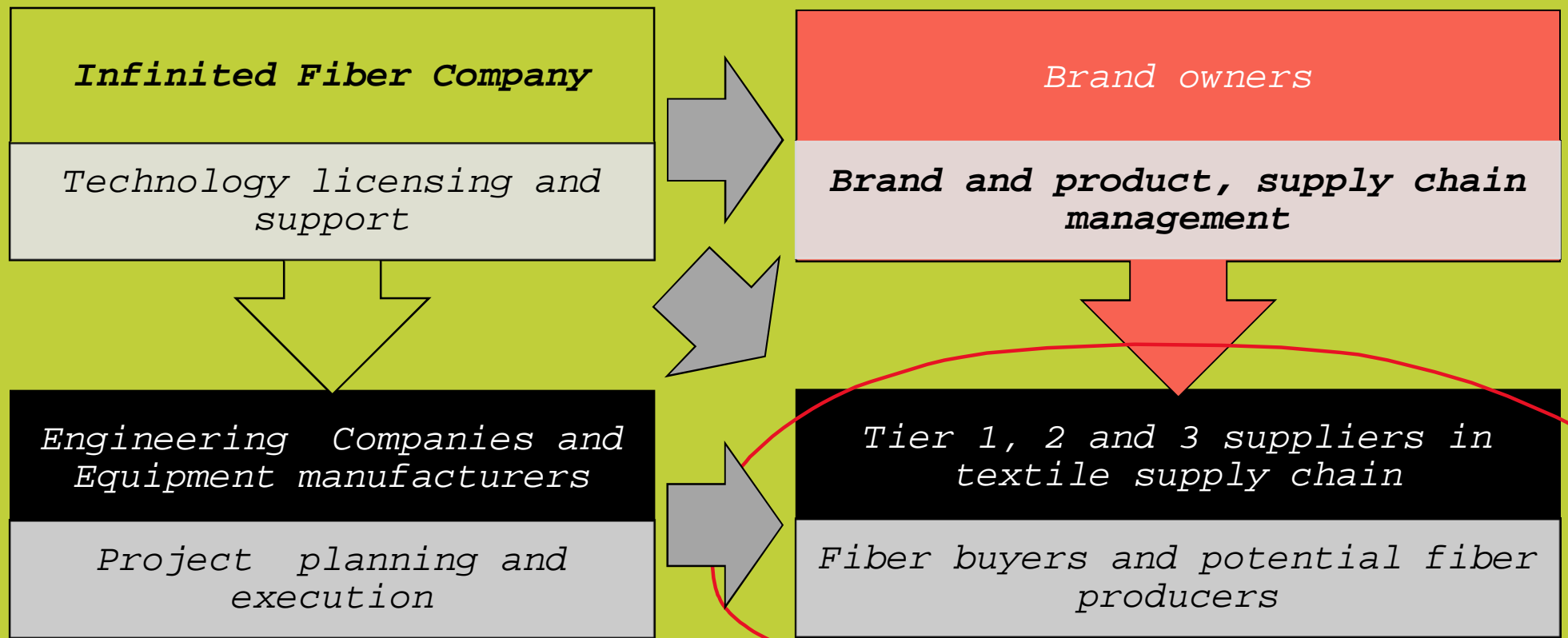
Business model

Market entry
model



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We work closely with leading brands and their supply chain to meet the demands



We license the technology and provide turnkey solution with our partners for low risk investment



2018 - 2019: Industrial pilot

Selling the fiber (capacity 50 ton/a)

Pre-engineering and feasibility study services

2020 - 2021: 1st commercial plant (25 kton / a)



Licensing (technology right + production license)

Technology risk sharing option

2022 - 2023: 1st high volume plant (>100 kton / a)



Licensing (technology right + production license)

Yarn spinning and fabric tests prove that carbamate fiber is market-entry ready



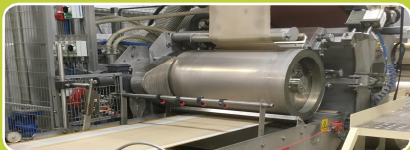
Proven fiber technology in industrial pilot scale



Proven customer interest



Fiber applicable to industrial supply chain



Brand testing their supply chain to define entry products

A satellite view of Earth from space, showing the Western Hemisphere. The Americas are visible in the center, surrounded by the Atlantic and Pacific Oceans. Clouds are scattered across the landmasses and oceans.

Join us -
and we don't need another
planet Earth

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