







Our core market: wood-based cellulose fibers

Produced from the raw material wood





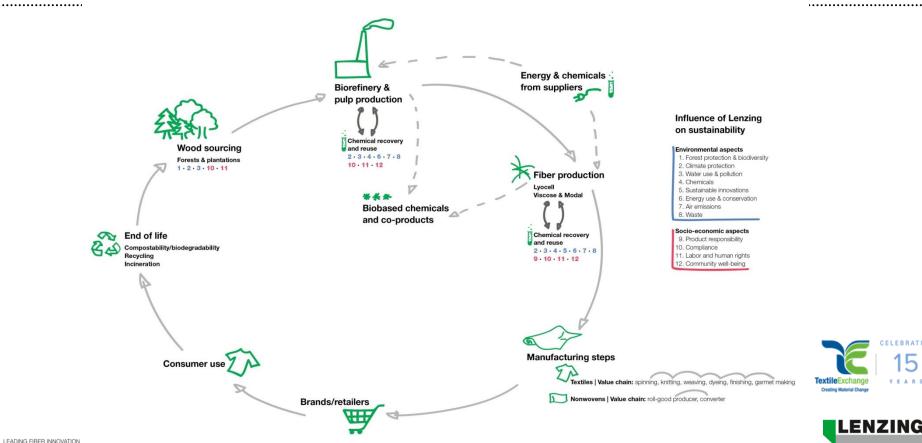








Lenzing collaborates throughout the value chain

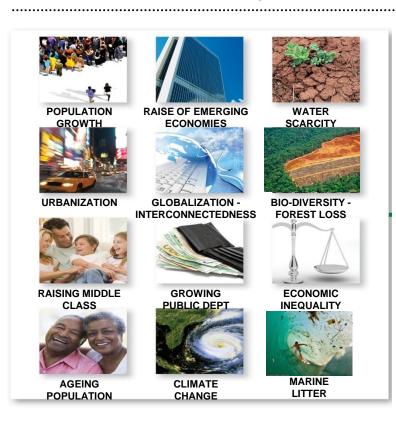




Creating Material Change

YEARS

Sustainability trends/challenges



- 9 billion people by 2050
- Growing water scarcity
- Accelerating climate change
- Competing uses of land: food vs fiber
- Increasing income inequality





Motivation of our sustainability strategy

How can we help our customers and industry to be more sustainable and transparent?





Sustainability Strategy "Naturally positive" (1)

Our vision

- Our passion is to make sustainable fibers available to the growing world.
- This creates more positive impacts and benefits for people and the planet.
- It also ensures our economic success.







Sustainability Strategy "Naturally positive" (

The essence of "Naturally positive"

Four main challenges where the Lenzing Group substantially contributes to creating more positive impacts and benefits.

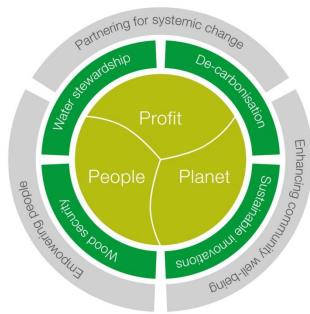


- Wood security
- Water stewardship
- Decarbonization
- Sustainable innovations

Supporting areas

Successful strategy implementation requires supporting areas:

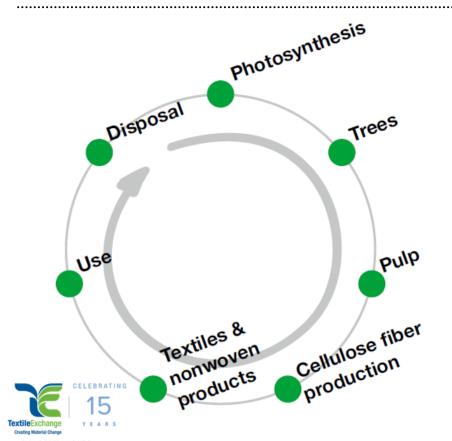
- Empowering people
- Partnering for systemic change
- Enhancing community wellbeing





5 LEN

Lenzing's best practices to address sustainability challenges



- Natural and renewable origin: Cellulose from wood is our biobased and renewable raw material
- Responsible sourcing: Guaranteed by exclusively certified & controlled wood and pulp sources
- Clean technologies: Due to high resource efficiency and closed loops
- Sustainable innovations: Providing specialities and forward solutions that are better than market alternatives
- Stakeholder engagement and collaboration: provides benefits to our customers
- End of life solutions: Our biodegradable and compostable fibers avoid waste problems in society
- Wholistic thinking and evidence: Sustainability of fibers is confirmed by LCA, certifications and awards

EADING FIBER INNOVATION

Lenzing demonstrates its sustainability leadership

- Lenzing Sustainability Report 2016 according GRI4 was published in April 2017
- Lenzing Sustainability Strategy "Naturally Positive" was published in April 2017
- CanopyStyle Initiative: Lenzing ranked as "THE Leader" of wood-based cellulose industry for its sourcing practices, sustainability commitments, innovations and its progress.
- Lenzing first-ever cellulose fiber producer that has completed a CanopyStyle (Rainforest Alliance) audit
- Higg MSI: All Lenzing fibers ranked best compared to generic fibers in the Material Sustainability Index (MSI) tool





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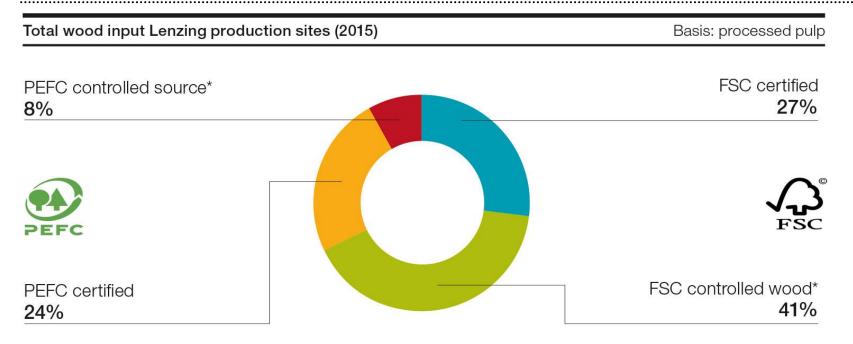
Lenzing demonstrates its sustainability leadership

- TENCEL® fiber listed as preferred fiber by Textile Exchange (Preferred Fiber Market Report 2016)
- Lenzing's Refibra™ fiber provides a recycling solution to our brand & retail customers and contributes to the Circular Economy. Certified by leading recycling standards Recycle Claim Standard (RCS) and Global Recycle Standard (GRS).
- EcoVero[™] branded viscose fibers are a sustainable alternative to generic viscose.
- "OK Biodegradable Marine Certificate" proving that Lenzing fibers do not contribute to the marine litter issue.
- All Lenzing production sites are FSC® chain of custody (CoC) certified
- Lenzing became official member of FSC®
- Fairtrade approved Lenzing fibers as Fairtrade compliant





Lenzing only Sources Certified and Controlled Wood and Pulp



^{*)} Controlled wood sources are sources that meet the minimum requirements accepted by FSC or PEFC. These include implemented due diligence systems comprised of risk assessments and on-site audits based on the respective wood certificate standard.





Traceability of wood and pulp

Certification status of Lenzing operations – Chain of Custody

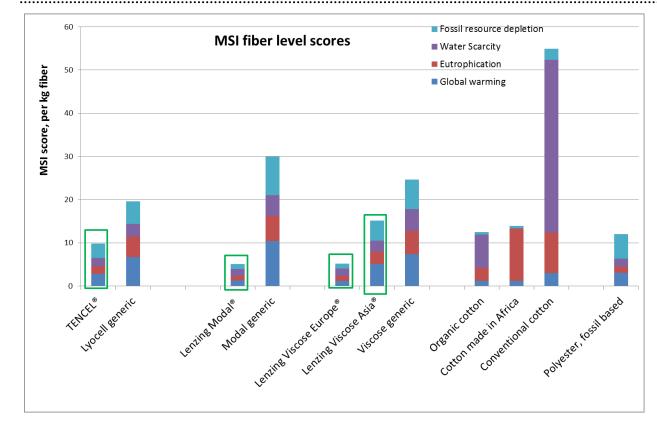
Status: End of year 2016 table 3/2

Site	Country	Main Products	FSC [®] CoC Certification	PEFC TM CoC Certification
Lenzing Austria	Austria	Lenzing Viscose [®] Lenzing Modal [®] Lenzing FR [®]	~	V
Paskov	Czech Republic	Dissolving wood pulp	✓	V
Purwakarta	Indonesia	Lenzing Viscose [®]	√	×
Nanjing	China	Lenzing Viscose [®]	✓	×
Heiligenkreuz	Austria	TENCEL®	_	×
Grimsby	United Kingdom	TENCEL®	√	X
Mobile	USA	TENCEL®	~	×
Lenzing TENCEL [®] Austria	Austria	TENCEL®	V	✓





MSI benchmarking: Lenzing fibers have lower environmental impacts than generic cellulosics







Sustainable Fiber Innovations

- TENCEL®
- Refibra™ Iyocell
- Lenzing Modal® Black
- EcoVero™





Net Benefit Products

- Net benefit thinking describes the performance of Lenzing specialities and forward solutions according to the sCore TEN strategy.
- Net benefit products take a life cycle perspective and thus include both upstream and downstream value chain processes.
- Lenzing's net benefit products offer positive impacts and benefits to environment, society and value chain partners that are substantially better than most competing alternatives in the market.

Some examples: Lenzing Modal COLOR®, TENCEL®, Refibra™, EcoVero™





TENCEL® fibers: lower environmental impacts

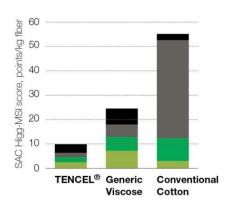
- MSI score¹ for TENCEL[®] fibers several times lower than for generic viscose and conventional cotton.
- Much lower impact on water scarcity of TENCEL® fibers compared to conventional cotton.

¹Results calculated based on Higg MSI™, assessing impacts of materials from cradle-to-gate for a finished material. Figure only shows impacts from cradle to fiber production gate.

Source: Higg MSI of the Sustainable Apparel Coalition

Comparison of environmental performance of TENCEL® fibers vs generic viscose and conventional cotton cultivation, world average*





^{*} Source: Higg-MSI





What to do with fashion waste?

~50 million tons of apparel and footwear are discarded globally per year

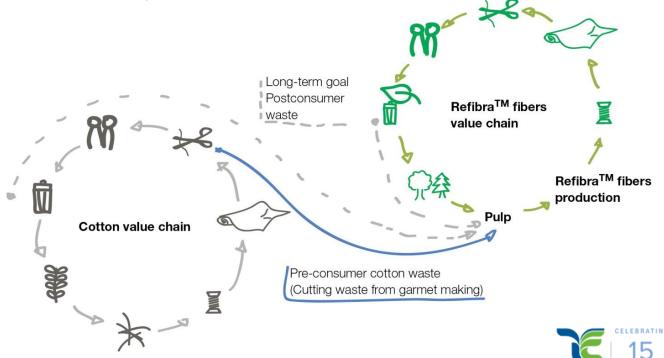






Lenzing's circular economy solution: Refibra™ fiber

RefibraTM avoids waste problems in the society and provides a solution for circular economy



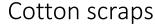


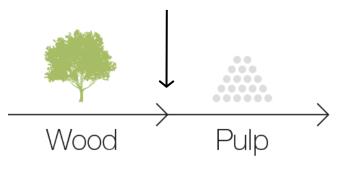
Refibra™ offers better footprint by using waste as raw material and closed loop eco-responsible lyocell technology

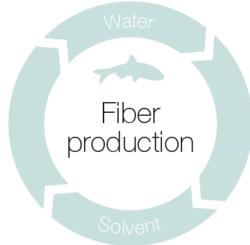




















RefibraTM fibers provide functionality and traceability

- Refibra™ is produced in the same process as TENCEL® fibers offering same opportunities to down stream value chain as virgin TENCEL® fibers
- Fiber characteristics are the same:
 - Smooth, gentle to the skin
 - Absorbent, best moisture management
 - Strong and robust, in the manufacturing process and the end product
- Due to a special production process Refibra™ fibers can be identified in all processing steps: yarn, fabric, ready made garment
- Refibra[™] fibers are certified according Recycled Claim Standard (RCS)
- www.lenzing-fibers.com/refibra

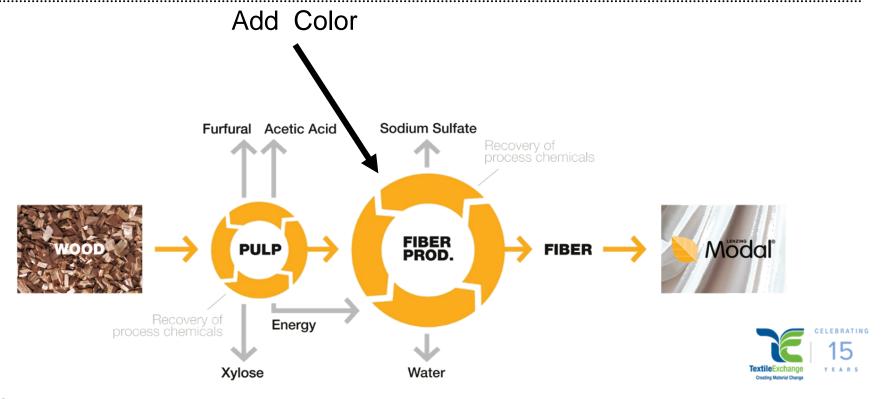






Lenzing Modal® COLOR – Future Black

Dope-dyed fibers avoid resource intensive conventional dyeing



Colored pigments are incorporated into the fiber spinning mass solution









EcoVeroTM

The new standard in eco-friendly viscose







Sustainable wood sources

- EcoVero[™] fibers are made from natural raw material wood
- Comes from sustainable forestry or forest plantations
- Lenzing practices a comprehensive wood & pulp sourcing policy
- Certified with FSC and PEFC

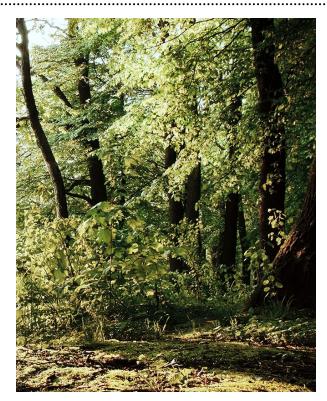








Promoting
Sustainable Forest
Management
www.pefc.org





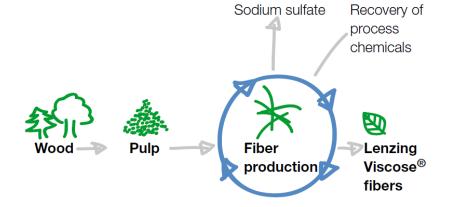


Highest environmental standards

- Lenzing enforces strict environmental standards in the viscose production
- EcoVero[™] is certified with the EU Ecolabel. The label is only awarded to products which have a significantly lower net environment impact versus comparable products in the market (other viscose fibers)



- 50 % lower emissions
- 50 % less water impact







Supply chain transparency

- Due to a special production process EcoVero® can be identified in all processing steps:
 - Yarn
 - Fabric
 - Ready made garment
- Consumers can be sure that they are buying eco-friendly viscose EcoVero[®]







Special marketing service

- EcoVero[™] is part of Lenzing's branding service
- Marketing package is offered
 - Folders
 - POS material
 - Swing tags
 - Individual programs











Lenzing's solutions to sustainability challenges of textile industry







Sustainable Innovations



Transparency & Partnerships





FOR MORE INFORMATION

Visit: www.lenzing.com

www.lenzing.com/sustainability

www.lenzing-fibers.carvedinblue.com

Email: Peter Bartsch <u>p.bartsch@lenzing.com</u>

Tricia Carey <u>t.carey@lenzing.com</u>

We welcome your questions – THANK YOU!



