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- Certain figures in this presentation have been rounded in accordance with commercial principles and practice.
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- Definition and further details on the calculation of financial key indicators can be derived from the Half-Year Report
  and the Annual Report. These reports are also available online on the website of the Lenzing Group
   <a href="https://www.lenzing.com">www.lenzing.com</a> in the section "Investors".



### Highlights H1/2019

- Group revenue up 1.2 % to EUR 1,088.5 mn (EUR 1,075.4 mn in H1/2018) in a challenging market environment
  - Specialty ratio increased to 48.4 % (H1/2018: 44.1 %)
- EBITDA at EUR 181.2 mn (EUR 194.8 mn in H1/2018)
- Decision to build 100 kt lyocell fiber plant in Thailand. Completion by end of 2021
- Lenzing Group is the first fiber producer to commit to carbon neutrality by 2050
  - Commitment to the Science Based Targets initiative



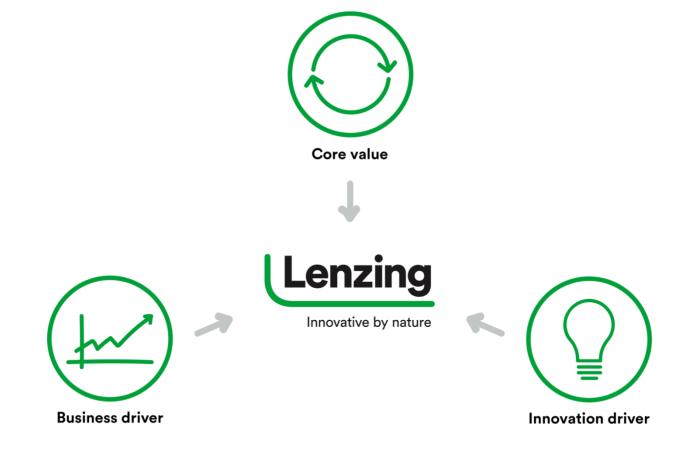
## Strategy





### What means sustainability to the Lenzing Group?







### **Lenzing commits to Science Based Targets** and defines CO<sub>2</sub> ambitions



- Science Based Targets organization provides the leading framework for climate targets in line with Paris agreements
  - Lenzing joins companies such as Levi's, Nike, Chanel, IKEA, H&M
- Lenzing commits to ambitious CO<sub>2</sub> targets next to existing sustainability targets
  - Commitment to net-zero CO<sub>2</sub> emissions target by 2050
  - Reduction of specific CO<sub>2</sub> emissions per metric ton of sold product<sup>1</sup> by 50 % by 2030<sup>2</sup>
  - Investment of more than EUR 100 mn to combat 1.3 mn tons of CO<sub>2</sub> emissions<sup>3</sup>





<sup>1)</sup> Pulp and fiber

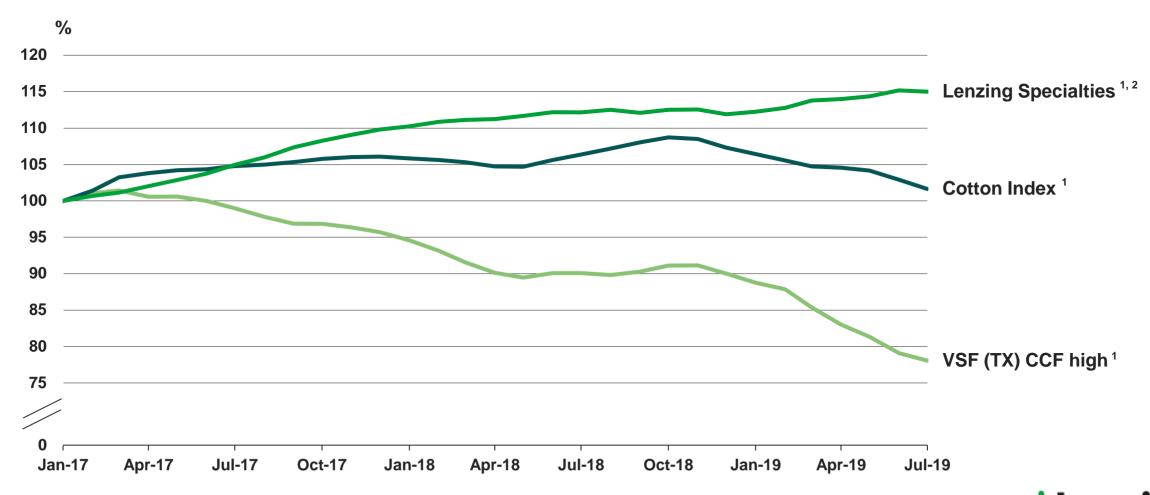
<sup>2)</sup> Compared to 2017 baseline

<sup>3)</sup> Scope 1 -3

# **Specialties**



### Specialty fiber business resilient



<sup>1)</sup> In China

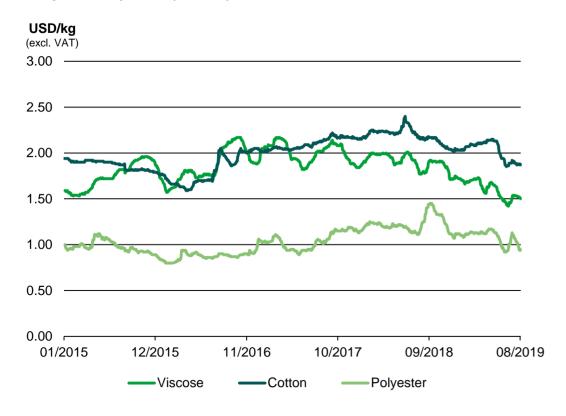


<sup>2)</sup> Lenzing's specialties: LENZING<sup>TM</sup> Lyocell, LENZING<sup>TM</sup> Modal, LENZING<sup>TM</sup> Specialty Viscose; 6M average in % from 01/2017 excluding FX-Effect

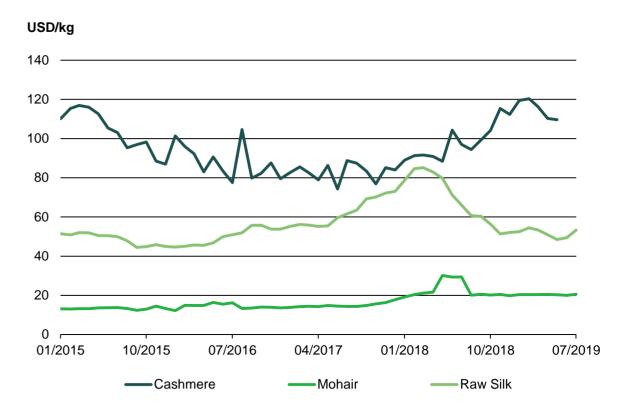
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# Luxury fibers are increasingly relevant blending partners next to traditional fibers

#### Staple fiber prices (China1)



#### Luxury fiber pricing



Source: CCFG, CCA, CCFEI, TFY

1) Price development until Aug 2<sup>nd</sup>, 2019



# Lenzing decided for world scale lyocell production in Thailand

- Initial investment of EUR 400 mn to build 100kt line plus required infrastructure investments for future expansions
- Project to be completed by end of 2021
- Site in Prachinburi provides ample room for growth (up to 4 lyocell lines with 100kt each)

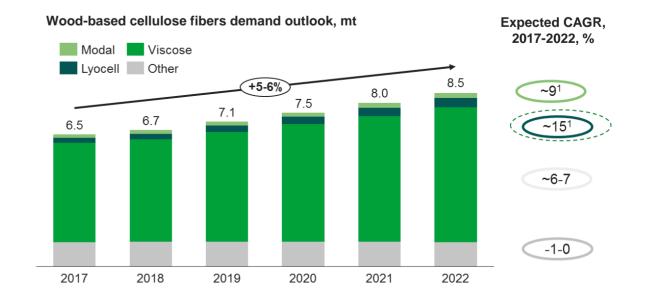






# The lyocell market develops in line with our expectations

- Industry has been supply constrained for years
- Lenzing has been sole market developer of the industry
- Capacity announcements in line with expectations
  - Capacity additions since 2017 mainly in China
  - Most of the lines at 15 20 kt
  - Accelerated growth of nameplate capacities





Lenzing well set up for future lyocell market development

Sources: CCFG, official data, Lenzing estimates

1) Demand strongly dependant on additional supply



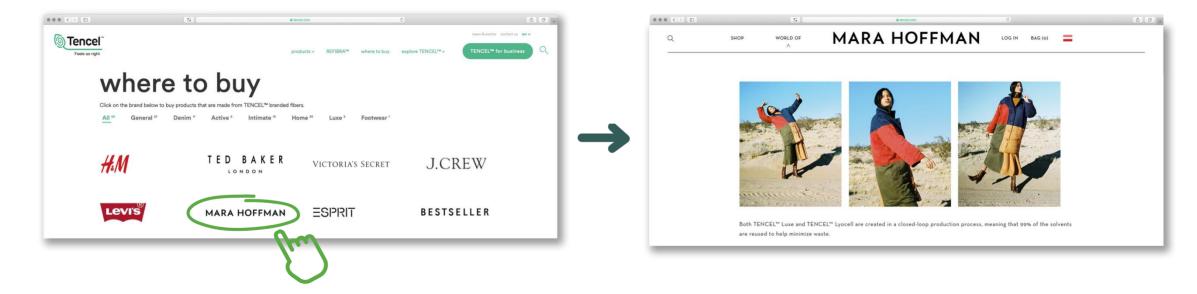
### TENCEL™ branding: improvement across key indicators

	2018 Full year	2019 Half year
Fabric certification application in the new e-branding system	6,870	4,167
License applications in the new e-branding system	4,054	2,531
Branded textile products at consumer level	91 mn	91 mn
Co-branding programs	3	57
Website page views on www.tencel.com	421 k	391 k
Total PR impressions of product brands	6.9 bn	8.9 bn
Aided brand awareness of TENCEL™ in apparel and home textiles	25 %	28 %



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### Lenzing teams up with key brands to increase visibility



- Strong increase of co-branding initiatives since TENCEL™ brand launch to increase visibility
  - Big milestone: "Where to buy" section introduction on www.tencel.com

 TENCEL™ products linked in online shops of more than 90 partners (for example Mara Hoffman)



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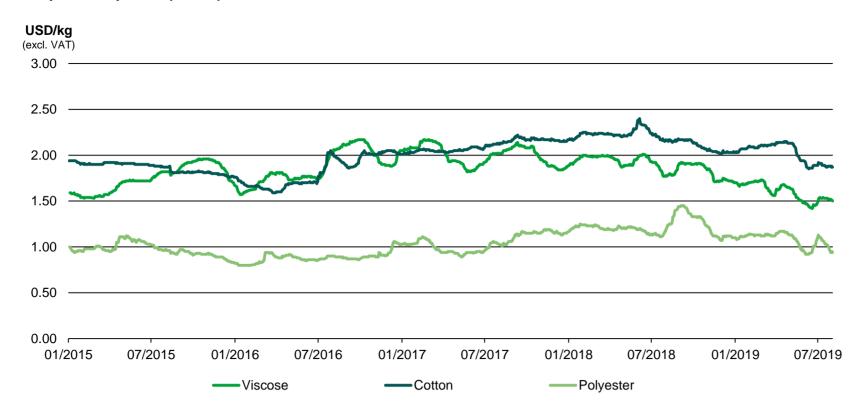
### Standard fibers



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### Interfiber price development

#### Staple fiber prices (China)<sup>1</sup>



Source: CCFG, CCA, CCFEI, TFY
1) Price development until Aug 2<sup>nd</sup>, 2019



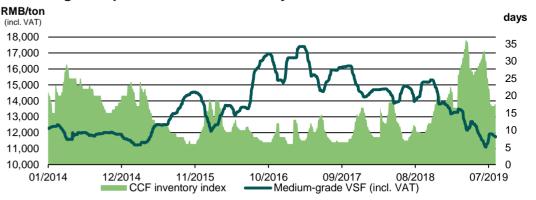
### Chinese viscose staple fiber market

- Capacity additions in VSF leveled down utilization rate to approx. 77 % from 81 % in H1/2018
- Seasonal demand patterns plus trade tensions curtailed demand leading to high inventory levels frequently of over 30 days during the second quarter
- Decline of standard viscose prices hitting a new alltime low<sup>2</sup> at 11,100 RMB/ton in June. Some price recovery since then
- Dissolving wood pulp prices followed the VSF price trend and ended the quarter at 780 USD/ton. This is equivalent to a 14 % price decline compared to the beginning of 2019

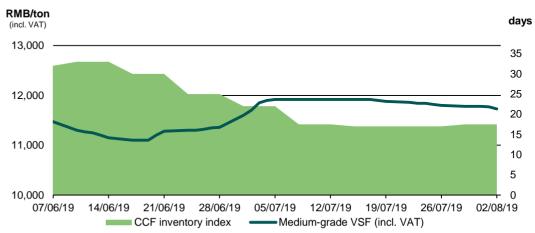
Sources: China Chemical Fiber Group

- 1) Standard viscose staple fibers, price development until August 2<sup>nd</sup>, 2019
- 2) Since official data has been provided by CCFG in 2004

#### VSF<sup>1</sup> long-term price trend and inventory of China



#### VSF¹ short-term price trend and inventory of China





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## Pulp market



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### **Current status of pulp expansion projects**

- Greenfield project in Brazil in full swing
  - Experienced team established
  - JV secured biomass, water and land
  - Temporary production license granted
  - Basic engineering almost finalized
  - Final investment decision end of 2019
- Lenzing debottlenecking of 20 kt finalized
- Paskov debottlenecking of 15 kt will be finalized in Q1/2020

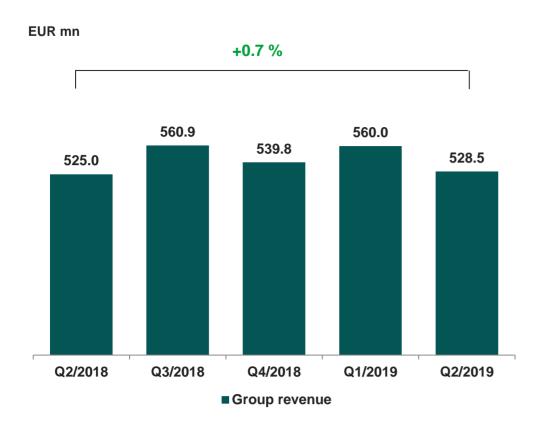




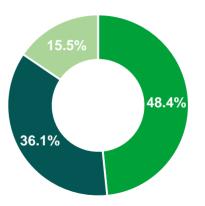
### **Financials**



### Financials – Revenue



Share of specialty fibers in H1/2019



- Specialty fibers<sup>1</sup>
- Standard fibers
- Other business areas

1) LENZING™ Lyocell, LENZING™ Modal, LENZING™ Specialty Viscose



### Financials – EBITDA

#### **EBITDA** margin

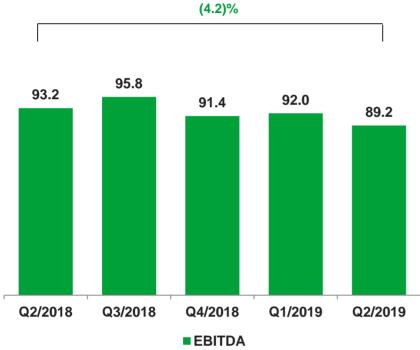


16.9 %

16.4 %

16.9 %





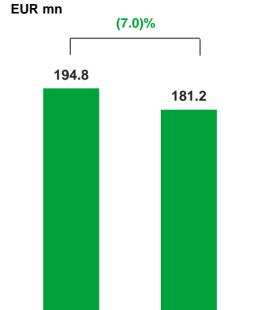
#### **EBITDA** margin

18.1%

H1/2018

16.6%

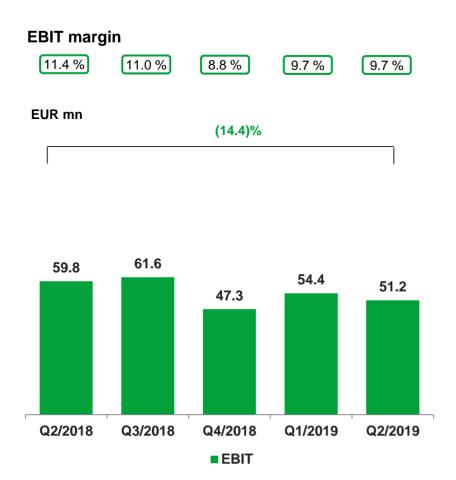
H1/2019

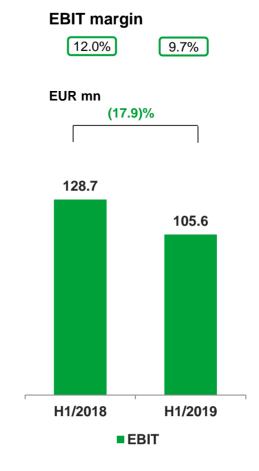


**■** EBITDA



### Financials – EBIT

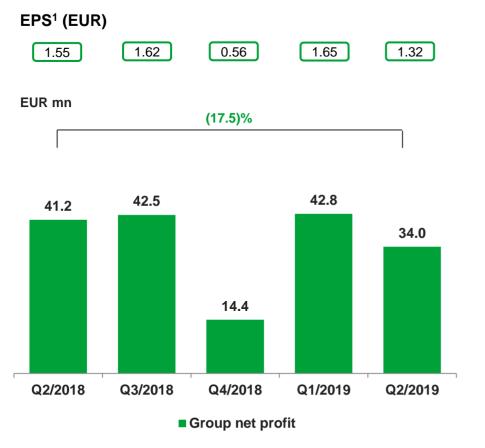




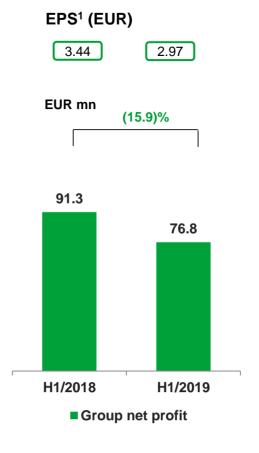


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### Financials – Net profit and earnings per share



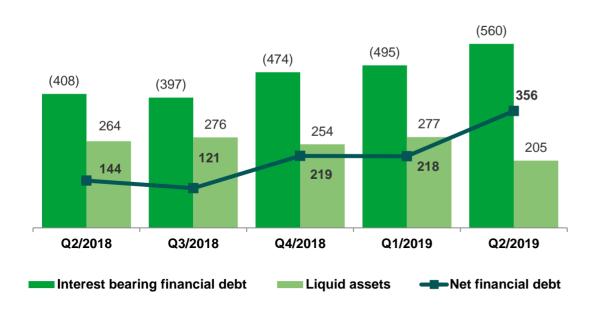






### Financials – Key figures

#### EUR mn



According to IFRS (EUR mn)	30 June 2019	31 Dec. 2018	Change in %
Total assets	2,663.4	2,630.9	1.2
Liquid assets <sup>1</sup>	204.7	254.4	(19.6)
thereof liquid funds	194.9	243.9	(20.1)
Total liabilities	1,178.0	1,097.0	7.4
thereof financial liabilities	560.4	473.8	18.3
Adjusted equity <sup>2</sup>	1,508.2	1,553.0	(2.9)
Adjusted equity ratio (%)	56.6	59.0	-
Net gearing (%)	23.6	14.1	-
Net financial debt	355.7	219.4	62.1

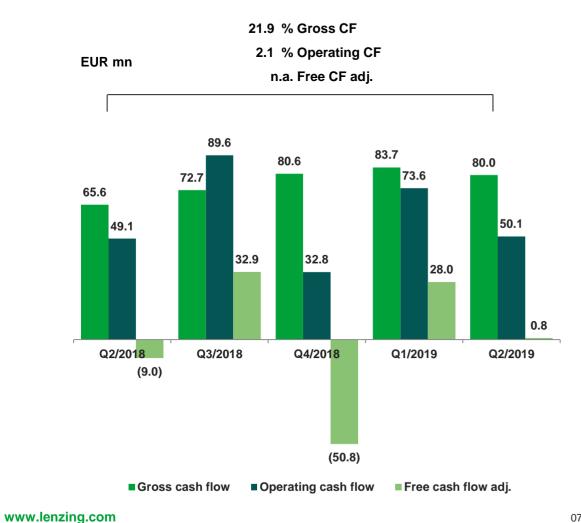
According to IFRS (EUR mn)	30 June 2019	31 Dec. 2018	Change in %
Total liquidity cushion	489.7	596.0	(17.8)
thereof liquid assets1	204.7	254.4	(19.6)
thereof unused credit facilities	285.1	341.6	(16.6)

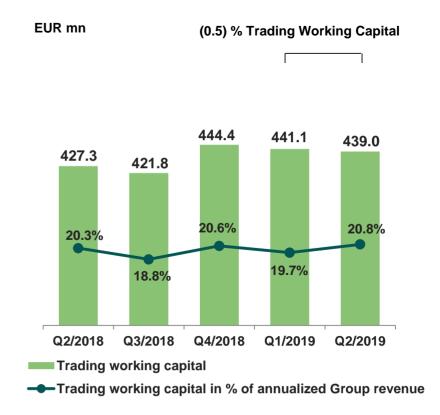
- 1) Including cash and cash equivalents, liquid securities and liquid bills of exchange
- 2) Including government grants less proportional share of deferred taxes on government grants



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### Cash flow development and trading working capital







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### Outlook



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### Strategy execution 2019: Stay the course

- Major decisions to be taken
  - Greenfield DWP mill project in Brazil end of 2019
  - Decision to build state-of-the-art lyocell plant in Thailand √

- Specialisation
  - Finalize second TENCEL™ Luxe pilot line
  - Expansion of LENZING™ ECOVERO™ production in China



Target of appr. 50 % specialties' share of revenue by 2020 confirmed √



### Outlook 2019 – Fiber market and Lenzing Group

The International Monetary Fund expects a slowdown of global economic growth to 3.2 percent in 2019, mainly driven by increasing protectionist tendencies and growing geopolitical tensions. The currency environment in the regions relevant to Lenzing will remain volatile.

Global fiber demand remains strong. According to preliminary calculations, cotton inventory levels should nevertheless increase in the 2019/20 season. Towards the end of the second quarter 2019, the polyester market recovered from slower growth in the preceding months. The price levels for cotton and polyester are expected to decline slightly. Despite continued strong demand, capacity expansions for standard viscose caused higher pressure on prices, which fell to a historic low in the first half of 2019. In specialty fibers, the Lenzing Group expects the positive development of its business to continue.

Driven by the challenging situation in standard viscose, prices for dissolving wood pulp show a downward trend. Caustic soda prices in Asia have already declined significantly over the past months; this development has now become noticeable also in Europe.

In a challenging market environment for standard viscose with prices at historic lows, the Lenzing Group continues to expect its results for 2019 to reach a similar level as in 2018 based on the current exchange rates. Above developments reassure the Lenzing Group in its chosen strategy sCore TEN. Lenzing is very well positioned in this market environment and will continue to focus growth with specialty fibers.



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# Financial information Q2/2019



### Q2/2019: Consolidated Group P&L

(EUR mn)	Q2/2019	Q1/2019	Q2/2018
Revenue	528.5	560.0	525.0
Change in inventories of finished goods and work in progress	22.2	(5.6)	17.8
Own work capitalized	13.2	10.1	13.0
Other operating income	22.3	25.0	16.7
Cost of material and purchased services	(325.2)	(334.7)	(317.6)
Personnel expenses	(100.2)	(100.5)	(95.0)
Other operating expenses	(71.7)	(62.3)	(66.8)
EBITDA/Margin	89.2/16.9%	92.0/16.4%	93.2/17.7%
Depreciation & amortization	(38.7)	(38.3)	(34.0)
Income from the release of investment grants	0.7	0.7	0.7
EBIT/Margin	51.2/9.7%	54.4/9.7%	59.8/11.4%
Financial result	(2.2)	(0.8)	(4.2)
Allocation of profit or loss to puttable non-controlling interests	0.0	0.0	0.4
EBT/Margin	49.0/9.3%	53.6/9.6%	56.0/10.7%
Income tax expense	(15.0)	(10.8)	(14.8)
Tax rate (%)	30.6	20.2	26.4
Net profit/Margin	34.0/6.4%	42.8/7.6%	41.2/7.9%
Net profit attributable to shareholders of Lenzing AG/Margin	35.0/6.6%	43.8/7.8%	41.2/7.9%
EPS (in EUR)	1.32	1.65	1.55

H1/2019	H1/2018
1,088.5	1,075.4
16.7	2.8
23.4	28.2
47.3	29.5
(659.9)	(626.1)
(200.7)	(186.0)
(133.9)	(128.9)
181.2/16.6%	194.8/18.1%
(77.0)	(67.4)
1.4	1.4
105.6/9.7%	128.7/12.0%
(3.0)	(8.0)
0.0	0.2
102.6/9.4%	120.9/11.2%
(25.8)	(29.6)
25.2	24.5
76.8/7.1%	91.3/8.5%
78.8/7.2%	91.4/8.5%
2.97	3.44



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### Q2/2019: Topline breakdown

(EUR mn)	Q2/2019	Q1/2019	Change Q2/Q1 (%)	Q2/2018	Change Q2/Q2 (%)	H1/2019	H1/2018	Change H1/H1 (%)
Breakdown of Fibers segment revenue								
Textile fibers (%)	69.8	70.9	(1.6)	70.3	(0.7)	70.3	70.4	(0.1)
Nonwoven fibers (%)	30.2	29.1	3.8	29.7	1.7	29.7	29.6	0.3
Fibers only	444.0	464.1	(4.3)	458.5	(3.2)	908.1	915.4	(8.0)
Other <sup>1</sup>	82.4	93.8	(12.2)	65.0	26.8	176.1	155.6	13.2
Total segment Fibers	526.3	557.9	(5.7)	523.4	0.6	1,084.2	1,071.0	1.2
Total segment Lenzing Technik	6.4	6.4	(0.6)	10.9	(41.8)	12.8	24.6	(48.1)
Other and consolidation	(4.2)	(4.3)	(2.9)	(9.3)	(55.4)	(8.5)	(20.3)	(58.3)
Total Group revenue	528.5	560.0	(5.6)	525.0	0.7	1,088.5	1,075.4	1.2

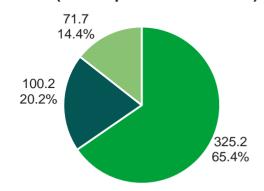


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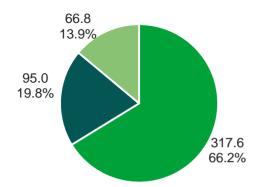
<sup>1)</sup> Includes sales of sodium sulfate and black liquor, external sales of pulp, wood and energy

### Q2/2019: Total opex structure

#### Q2/2019 (Total Opex EUR 497.1 mn)

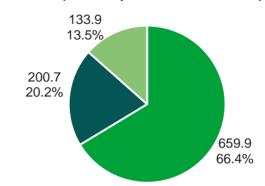


#### Q2/2018 (Total Opex EUR 479.4 mn)

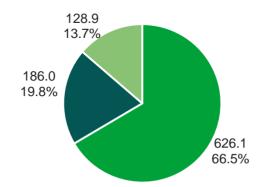


- Cost of material and purchased services
- Personnel expenses
- Other operating expenses

#### H1/2019 (Total Opex EUR 994.6 mn)



#### H1/2018 (Total Opex EUR 941.0 mn)

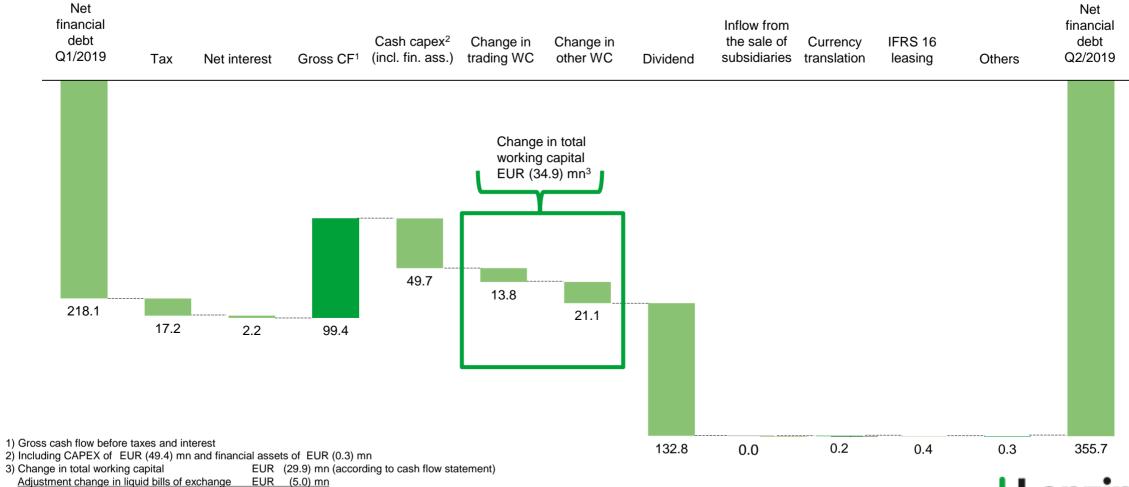


- Cost of material and purchased services
- Personnel expenses
- Other operating expenses



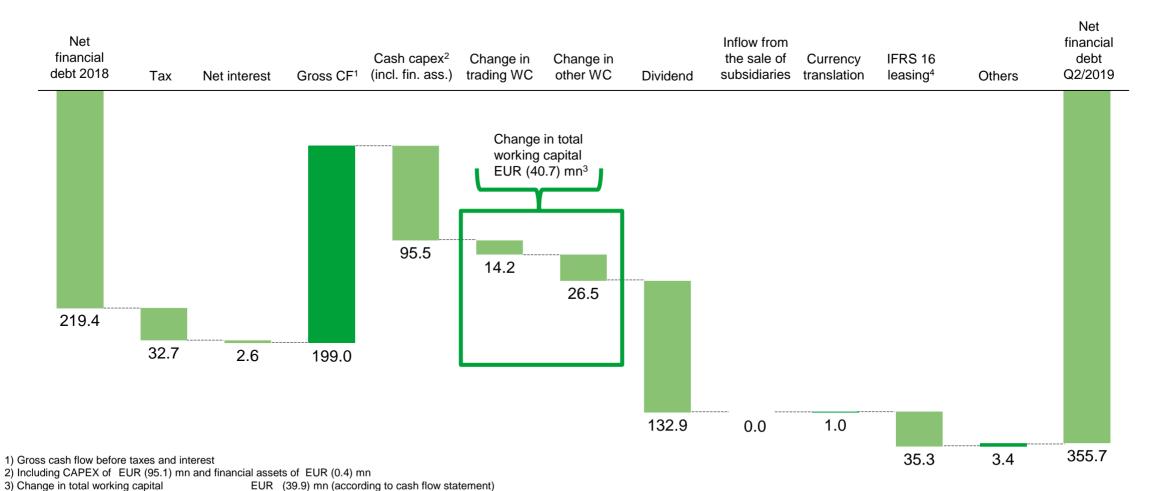
### Q2/2019: Net debt bridge

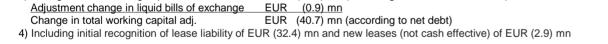
EUR (34.9) mn (according to net debt)



Change in total working capital adj.

### H1/2019: Net debt bridge







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Adjustment change in liquid bills of exchange

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### **Q2/2019: Cash flow**

(EUR mn)	Q2/2019	Q1/2019	Change Q2/Q1 (%)	Q2/2018	Change Q2/Q2 (%)	H1/2019	H1/2018	Change H1/H1 (%)
Gross cash flow (before taxes and interest)	99.4	99.6	(0.2)	93.3	6.6	199.0	192.3	3.5
Taxes and interest	(19.4)	(15.9)	21.9	(27.7)	(29.8)	(35.4)	(41.6)	(15.1)
Gross cash flow (after taxes and interest)	80.0	83.7	(4.4)	65.6	21.9	163.6	150.7	8.6
Change in total working capital <sup>1</sup>	(29.9)	(10.0)	197.9	(16.5)	80.9	(39.9)	7.0	-
Operating cash flow	50.1	73.6	(32.0)	49.1	2.1	123.8	157.7	(21.5)
Investment cash flow <sup>2</sup>	(49.4)	(42.8)	15.4	(58.5)	(15.6)	(92.1)	(115.5)	(20.3)
Free cash flow unadj.	0.8	30.9	(97.6)	(9.4)	-	31.7	42.2	(25.0)
Net inflow from sale of subsidiary	0.0	0.0	-	(0.1)	(100.0)	0.0	(0.1)	(100.0)
Acquisition of other financial assets	0.3	0.1	129.9	0.7	(56.7)	0.4	1.3	(66.2)
Proceeds/repayments of other financial assets	(0.2)	(3.1)	(92.4)	(0.2)	3.3	(3.3)	(2.0)	64.1
Free cash flow adj.	0.8	28.0	(97.0)	(9.0)	-	28.8	41.4	(30.4)



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<sup>1)</sup> Including trade and other working capital

<sup>2)</sup> Including investment in and proceeds from disposal of financial assets

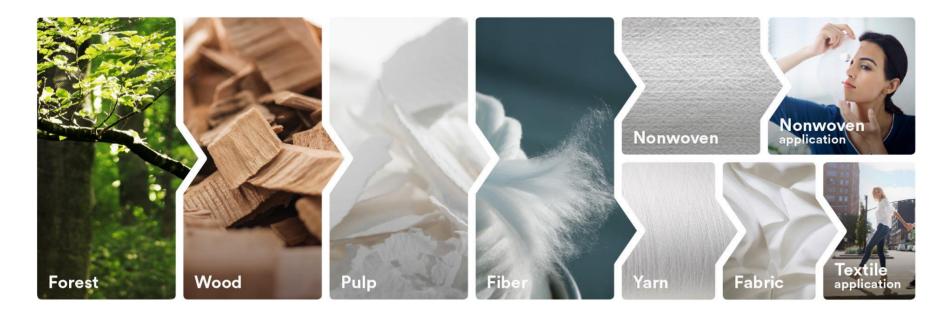
# Apendix Equity story



# O Lenzing – Our mission

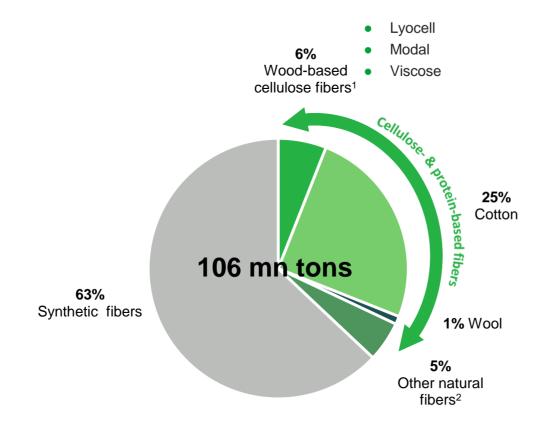
"Lenzing is a performance materials company that turns CO<sub>2</sub> and sunlight into highly functional, emotional and aesthetic products across the globe"







# Global fiber market at a glance 2018e consumption numbers



Sources: CIRFS, The Fiber Year, China Chemical Fiber Group, ICAC, Lenzing estimates

- 1) Wood-based and cotton linter-based cellulose fibers including Viscose, Lyocell, Modal, Acetate, Cupro, ...
- 2) Incl. bast, flax, hemp, jute, silk and allied fibers



## Highly efficient use of raw materials

The Lenzing site is fully integrated. Dissolving wood pulp production at the Lenzing and Paskov sites achieve a wood utilization rate of about 100 % (incl. energy use)

#### Highly efficient use of the raw material wood in the Lenzing Group's biorefineries







#### Lenzing – only producer of all three fiber generations

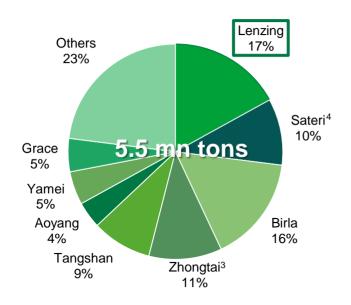
Fiber Types	Market Position <sup>1</sup>	Competitive Intensity
Lyocell	# 1	Low
Modal	# 1	Medium
Viscose	# 2	High

Sources: China Chemical & Fiber Economic Information Network, China Chemical Fiber Group, Lenzing data 1) Share of capacities by end of 2018

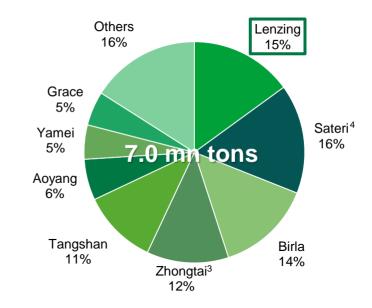


# Lenzing is the only global player with European roots in the viscose staple fibers market<sup>1</sup> (2018e) ...

#### Lenzing with 17 % share of production



#### Lenzing with 15 % share of capacities<sup>2</sup>



Sources: CIRFS, FEB, Trade statistics, Company estimates

- 1) Viscose staple fibers (including Modal and Lyocell fibers), excluding viscose filaments, acetate tow, cigarette filters
- 2) Based on latest available company information from company websites and annual/interim reports
- 3) Fulida Kuerle, Tiantai Xinjiang, Fulida Alaer, Shungquan Manasi
- 4) Sateri Fuijan, Jiangxi, Jiujiang, China, Asia Pacific Rayon, Xiangsheng



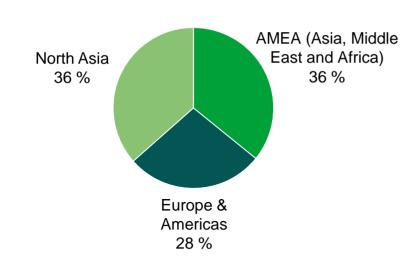
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#### ... and is a global leader in wood-based specialty fibers

#### Balanced exposure to matured and emerging markets

Fiber revenue by region



#### Global network of production sites and sales offices

2018 footprint

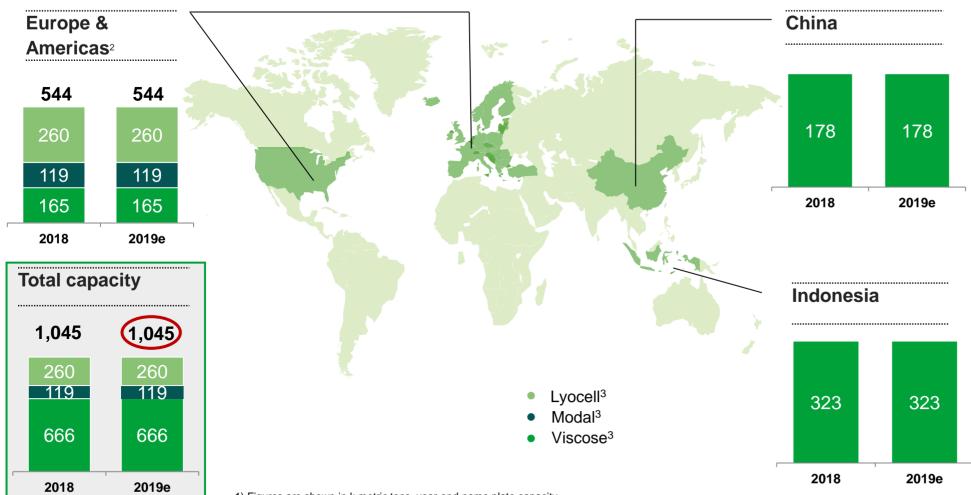


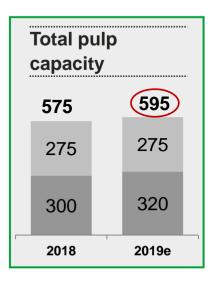
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Source: Lenzing data as at June 30, 2019

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#### Lenzing's capacity 2019<sup>1</sup>: A global footprint





Lenzing (A)
dissolving
pulp capacity

Paskov (CZ)
dissolving
pulp capacity

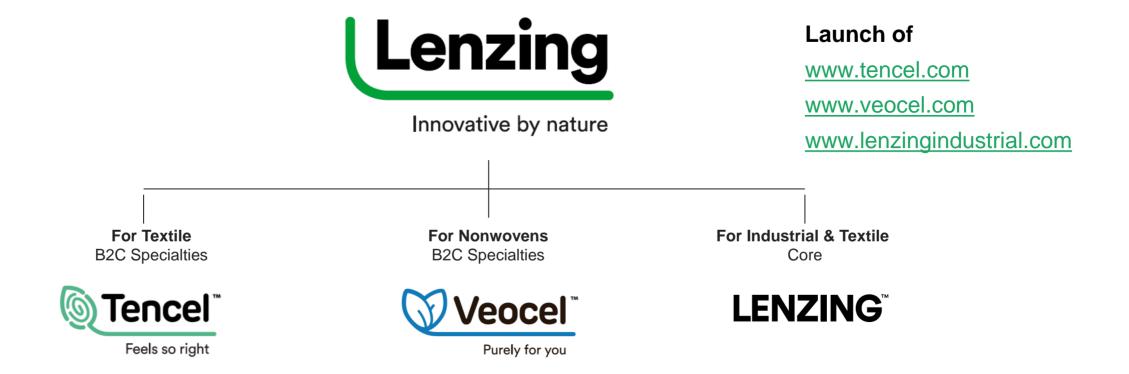


1) Figures are shown in k metric tons, year-end name plate capacity

2) Includes Lenzing (A), Heiligenkreuz (A), Grimsby (UK), Mobile (USA)

3) Lenzing fiber types

## Brand architecture



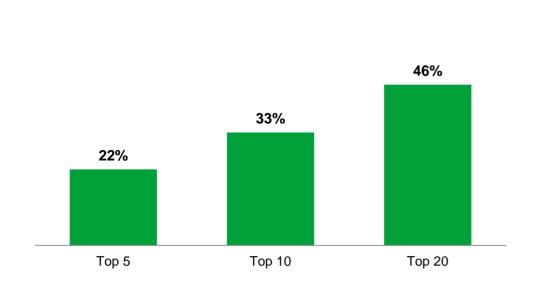


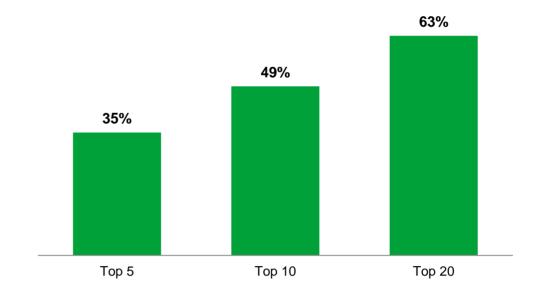


#### Sales and marketing – Customer concentration

Textiles – Percent of sales by customers (2018<sup>1</sup>)

Nonwovens – Percent of sales by customers (2018<sup>1</sup>)





Source: Lenzing data 2018





#### Lenzing underpins its innovation leadership

Industry leading R&D spend (EUR 42.81 mn in 2018)

#### R&D is an essential part of the sCore TEN strategy and contributes to all five fields

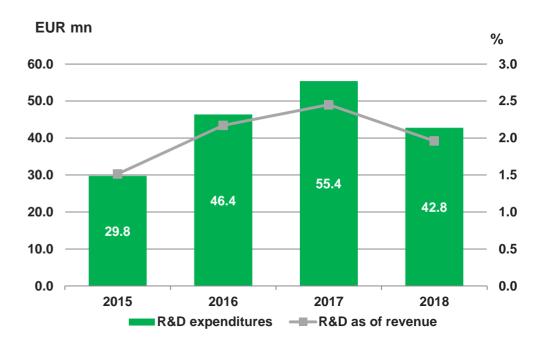
 Decision to invest appr. EUR 100 mn into sustainable production technologies until 2022

#### Successful launch of sustainable innovations

- Fiber process innovation (e.g. for new lyocell plants), pulp integration, biorefinery concept
- Fibers fulfilling highest environmental demands: REFIBRA™ technology and LENZING™ ECOVERO™ fibers
- TENCEL™ Luxe second pilot plant for the novel lyocell filament for luxury fashion
- LENZING<sup>™</sup> Web technology for nonwoven applications; application for 25 patents
- Application and Innovation Center (Hong Kong) and Lenzing Center of Excellence (Indonesia) in addition to the facilities existing in Lenzing

As of December 2018, Lenzing owned 1,324 patent applications and patents in 49 countries belonging to 242 patent families

#### R&D expenditures (2015-2018)1



Source: Lenzing

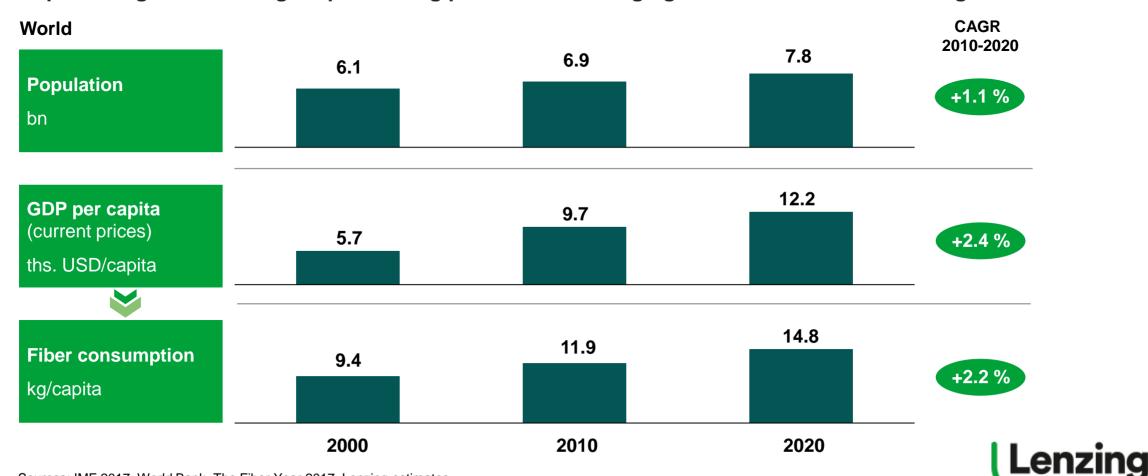
1) As per Frascati definition



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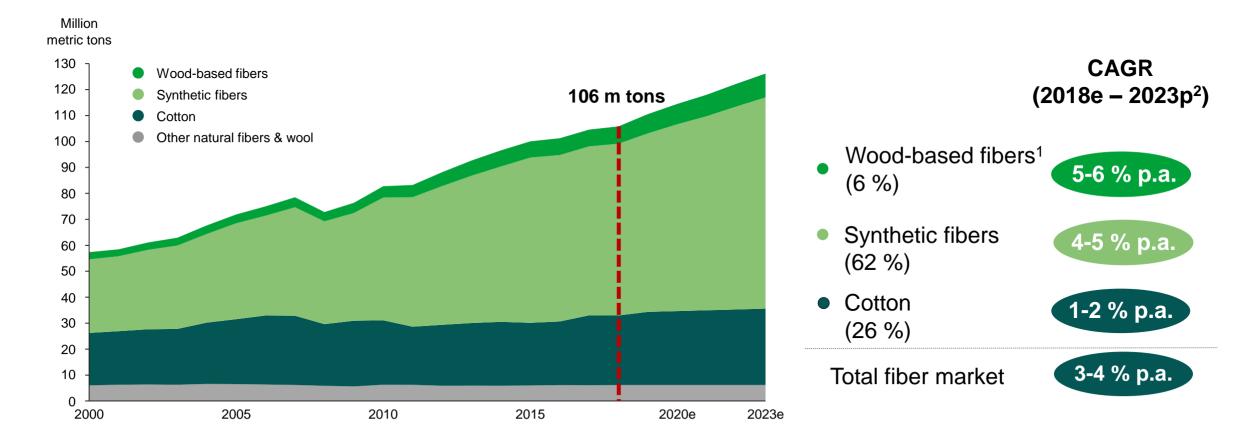
#### Looking forward: Megatrends support fiber demand growth

Population growth and higher purchasing power in the emerging markets drive overall fiber growth



Sources: IMF 2017, World Bank, The Fiber Year 2017, Lenzing estimates

# Wood-based fibers outgrow market Expected growth of global fiber demand until 2023



Sources: ICAC August 1st, 2019, The Fiber Year Consulting, Lenzing data

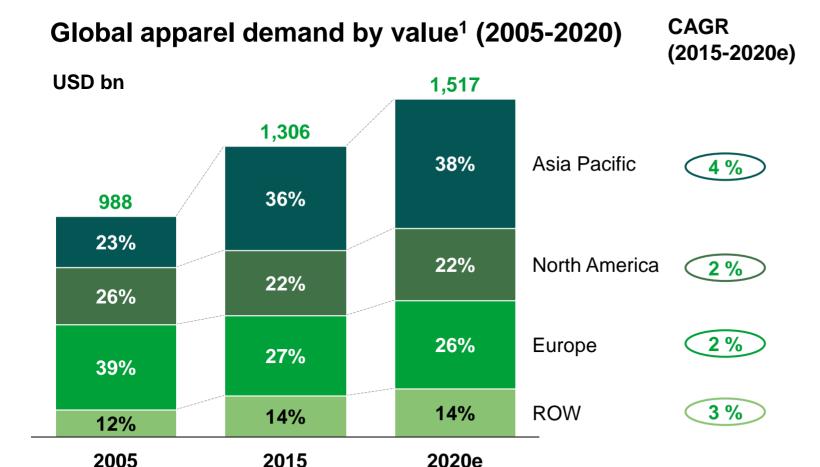
2) Projected

Lenzing

<sup>1)</sup> Wood-based and cotton linter-based cellulose fibers (Viscose, Modal, Lyocell and other (acetate, cupro) both staple fiber and filament)

# 0

#### Asia Pacific remains the growth engine in global textiles







Sources: Euromonitor 2018, Lenzing



<sup>1)</sup> Based on current prices and historic year-on-year exchange rates

# **Corporate Strategy**



## The strategy – driving value growth



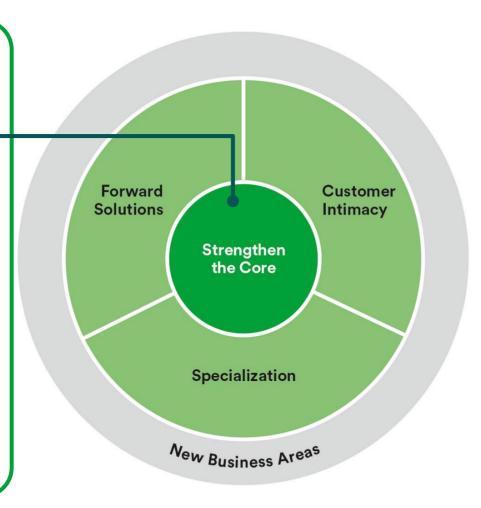




## Strengthen the Core



- Further strengthen pulp position via backward integration and/or strategic cooperations
- Maintain quality leadership
- Deliver EUR 50 mn EBITDA by 2017 with commercial and operational excellence program (done)
- Strengthen our bio-refinery business
- Grow viscose position via strategic partnerships
- Finalize restructuring technical units (done)





#### **Customer Intimacy, Specialization, Forward Solutions and New Business Areas**



Move selectively forward in the value chain via new game-changing technologies

Select and establish new emerging business areas

5

4 2 **Forward** Customer Solutions Intimacy Strengthen the Core 3 **Specialization** New Business Areas

Increase management presence and decision power in the regions (done)

Establish two additional regional application and customer innovation centers (done)

Secure #1 lyocell and modal leadership position via capacity expansion program

Focus on high-value ecofriendly specialty fibers

Target 50 % of revenue from specialty fibers by 2020



## sCore TEN areas



Commercial & Operational processes

- TENCEL™ Luxe
- LENZING™ Web Technology

Direct sales vs. agents

Regional innovation centers

Decentralized decision making



Specialization

New Business Areas

- Expansions in specialty fibers
- Branding architecture
- Innovation boosted



## ) Lyocell expansion projects as part – key facts

- 2016/17: 10kt debottlenecking in Grimsby and Lenzing
- 2018: 25kt expansions in Heiligenkreuz fully operational
- 2018: Decision to temporarily mothball
   90kt expansion project in Mobile, Alabama
- 2019: Announcement to build a state-ofthe-art lyocell production plant in Thailand
  - Initial investment of EUR 400 mn to build 100kt line plus required infrastructure investments for future expansions. Completion by end of 2021





# O Thail

#### Thailand is an excellent location for Lyocell growth in Asia

- Thailand has free trade agreements with China, India and is part of ASEAN. All relevant growth markets can be supplied from Thailand
- Strong support from local authorities
- Highly professional FDI¹ support from Thailand's BOI²
- Strong engineering supply base due to large scale industrial investments in Thailand as well as good availability of skilled labour
- IP protection



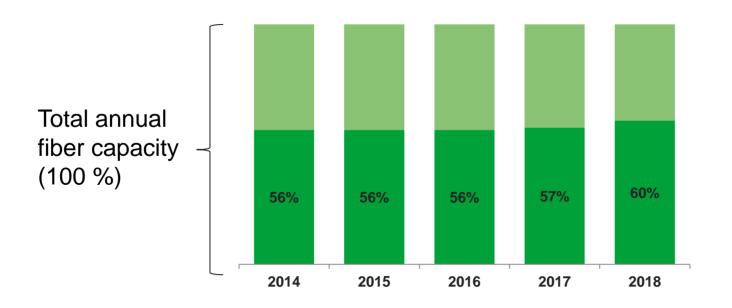


2) Board Of Investment



# Compare the compared of the

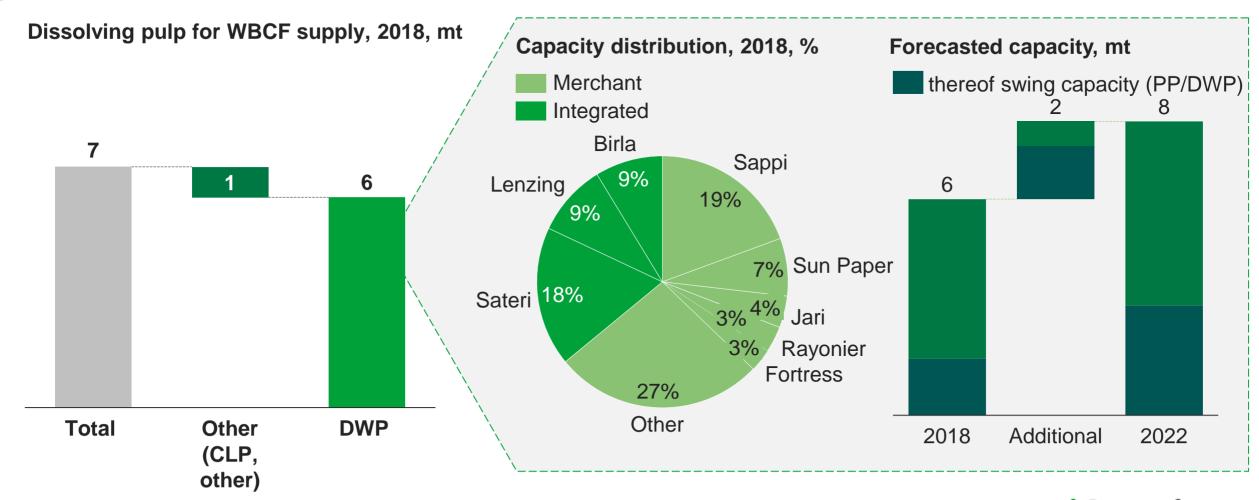
# Lenzing's level of backward integration: Own pulp supply in percentage of annual fiber capacity



- 60 % secured by own pulp production
- Remaining pulp is secured through long-term contracts



# DWP Market is relatively concentrated with significant link to Paper Pulp Market and swing mill capacity



Note: DWP – dissolving wood pulp, CLP – cotton linter pulp, DP – dissolving pulp, PP – paper pulp Sources: Hawkins Wright, Lenzing estimates



# Key facts about the DWP greenfield project

- Lenzing and Duratex S.A. to investigate a greenfield DWP plant in Brazil
  - Lenzing to hold 51 % and Duratex 49 %
  - FSC® certified wood supply
- Key facts of project under investigation
  - 450 kt/a capacity → largest single line DWP plant
  - Kraft pulp technology and eucalyptus wood
  - Operation ramp-up by 2022
  - Lenzing secures the total DWP supply of the plant
  - CAPEX of somewhat more than USD 1 bn (based on current FX rates and net of generic tax refunds) and the outcome of the basic engineering study
    - Duratex to bring the plantation as contribution in kind into the JV
  - Basic engineering progressing
  - Final investment decision end of 2019



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#### Brazil – perfect for a lowest cost DWP mill worldwide

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- Very favorable wood economics, strong local talent pool and excellent supplier network
- Brazil has a lot of experience in pulp projects
  - Since year 2000, ~50 % of new pulp capacity was built in Brazil
- Duratex strong JV partner
  - Leader in sustainable forestry management
  - Experience in construction and operation of big scale industrial plants
- Plantation in the Triângulo Mineiro in the State of Minas Gerais
  - Highly competitive wood economics
  - Good inbound/outbound logistics (train to port)
  - Large single plot plantation
  - Duratex plantation certified by FSC<sup>®</sup> in 1995



Source: Lenzing team

# Sustainability



# Composition of the compositio

- 1 Implementation of conservation solutions
- 2 Improvement of specific wastewater emissions by 20 % by 2022
- (3) Improvement of specific sulfur emissions by 50 % by 2022
- 4 Assessment of the sustainability performance of 80 % of "most relevant" suppliers
- 5 Transparency improvement by implementing Higg FEM 3.0 at all sites by 2019
- 6 Lenzing reduces its specific CO<sub>2</sub> emissions by 50 percent until 2030<sup>1</sup>, and becomes CO<sub>2</sub> neutral by 2050



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#### Sustainability: a key business and innovation driver

#### Partnering for change

 Lenzing supports the UN's Sustainable Development Goals (SDG)

No. 1 in Canopy's Hot Button Report

#### Greening the value chain

- Successful growth of LENZING™ ECOVERO™
- Launch of LENZING™
   Web Technology



#### Circularity

- 100 % circular business model
- EUR 100 mn investment in eco-footprint improvements



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#### Partnering for systemic change

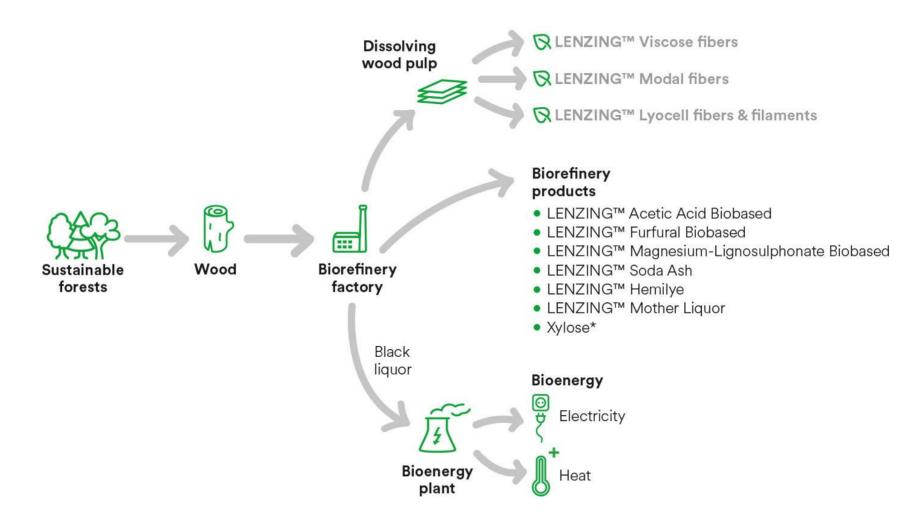
Lenzing is committed to driving the sustainability improvement of the textile and nonwoven industry with its participation in the following multi-stakeholder initiatives to bring systemic change:

- Sustainable Apparel Coalition (SAC)
- Canopy
- Changing Markets Roadmap towards responsible viscose & modal manufacturing
- Zero Discharge of Hazardous Chemicals (ZDHC)
- Textile Exchange (TE)
- Circular Fibers Initiative (an initiative of the Ellen MacArthur Foundation)
- Science Based Targets' Apparel Sector Guidance by World Resources Institute (WRI)
- World Economic Forum (WEF)



### The biorefinery concept of the Lenzing Group

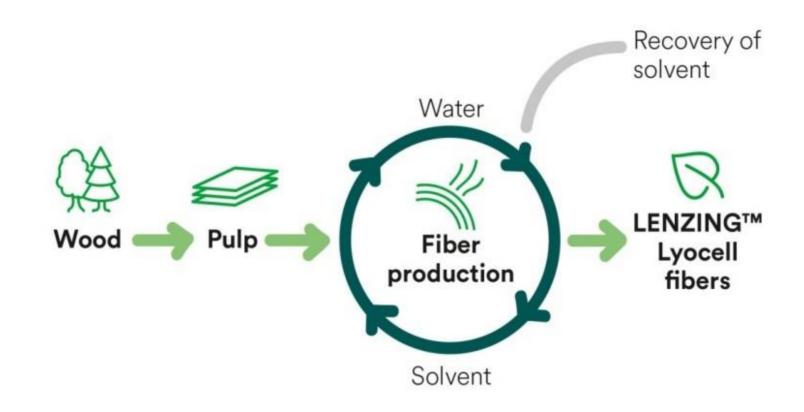
in Lenzing, Austria



<sup>\*</sup> purified/marketed by a partner company



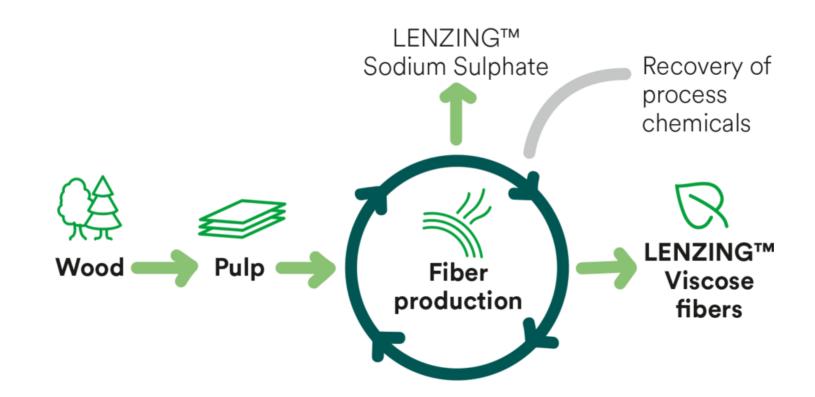
# Environmental friendly TENCEL™ Lyocell fiber production process





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# Highly efficient LENZING™ Viscose and modal fiber production process







#### Responsible wood and pulp sourcing

#### Strict wood and dissolving wood pulp sourcing policy

- No sourcing from controversial sources, such as e.g.
  - ancient and endangered forests
  - high conservation value areas
  - proved by CanopyStyle Audit

All Lenzing production sites are FSC® (Chain of Custody) certified.









#### From wood to dissolving wood pulp

Dissolving wood pulp is made from

- beech
- spruce
- eucalyptus
- several other types of wood

and has to meet different requirements to those for paper pulp.

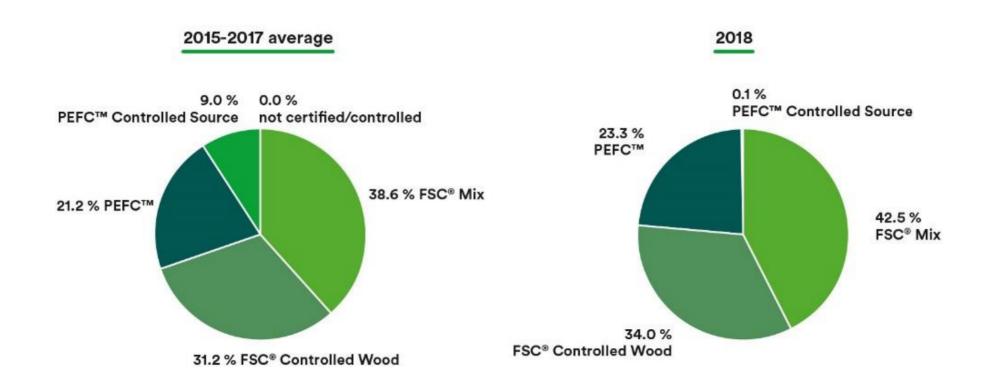
Dissolving wood pulp uses about 0.5 % of global wood harvested.





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#### Certification status of wood and pulp in the Lenzing Group



Certification status of total wood and pulp used by Lenzing production sites, own and purchased pulp 2017

Basis: Pulp used by Lenzing for fiber production, non-certified pulp was used for R&D purposes



# O Canopy: Lenzing is leading the sector

#### **Full support of Canopy pathway**

- Wood & Pulp Policy aligned with Canopy
- First to complete verification audit of CanopyStyle initiative
- Traceability: TENCEL™ Lyocell with REFIBRA™ technology and LENZING™ ECOVERO™ identifiable in fabrics
- Committed in supporting conservation solutions



light green shirt ranking (23 buttons)\*

\* Hot Button Report Nov. 2018



# Sustainable innovations and products



# **Net-benefit products**

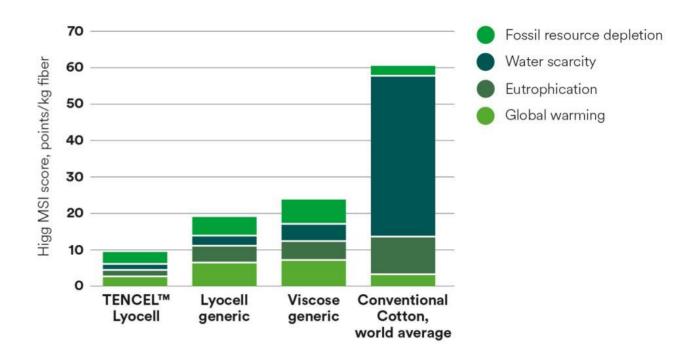
- Offer positive impacts and benefits to environment, society and value chain partners, which are significantly better than most competing alternatives in the market.
- Take a life-cycle perspective and thus include both upstream and downstream value chain processes.
- Net-benefit thinking describes the performance of our specialties and forward solutions that form part of the sCore TEN strategy.



## TENCEL™ Lyocell fibers: lower environmental impact

- Higg MSI<sup>™1</sup>: Score refers to environmental impacts
  - Low scores = better
  - High scores = worse
- MSI score¹ for TENCEL™ Lyocell fibers several times lower than for generic viscose and conventional cotton.
- Much lower impact on water scarcity of TENCEL™ Lyocell fibers compared to conventional cotton.

Comparison of environmental impacts of TENCEL™ Lyocell fibers vs. generic viscose and conventional cotton cultivation, world average



<sup>1)</sup> Results 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. Provided by the Sustainable Apparel Coalition

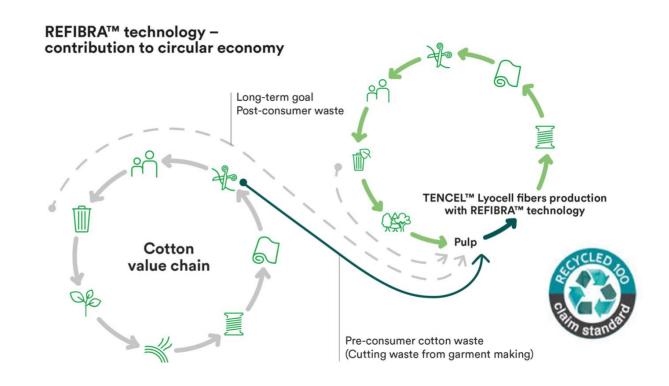


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## Innovation: TENCEL™ x REFIBRA™ Lyocell Fibers

- Combination of lyocell technology with pioneering use of recycled cotton off-cuts
- Upcycling of cotton and significant reduction of cotton scraps in the garment production
- New system to identify the fiber in finished garment
- Environmentally responsible closed loop process
- High resource efficiency and low ecological impact

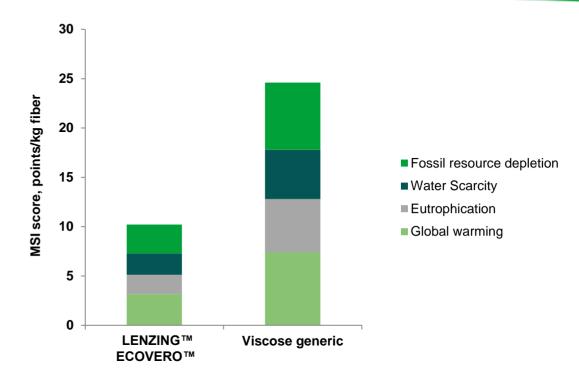




## Innovation: LENZING™ ECOVERO™

## The new standard in eco-responsible viscose

- LENZING™ ECOVERO™ fibers are the innovative and unique answer to the increasing demand for sustainable products along the textile value chain
- Worldwide highest environmental standards in the viscose production relying on three major pillars
  - Use of certified and controlled wood (FSC<sup>®</sup>, PEFC<sup>™</sup>)
  - Sustainable production process proven by third parties (Higg index, EU Eco label)
  - Innovative identification system allows everyone in the supply chain transparency in all processing steps (yarn, fabric, ready made garment)
- LENZING™ ECOVERO™ fibers are positioned as specialty fibers in the viscose segment



Note: "These Results were calculated using the Higg Material Sustainability Index (Higg MSI) tools provided by the Sustainable Apparel Coalition. The Higg MSI tools assess impacts of materials from cradle-to-gate for a finished material (e.g. to the point at which the materials are ready to be assembled into a product). However, this figure only shows impacts from cradle to fiber production gate. Higg MSI score of Lenzing™ ECOVERO™ was calculated based on Lenzing fibers which are already in the Higg MSI."



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## All Lenzing standard fibers are biodegradable













## **Certificates and recognitions**

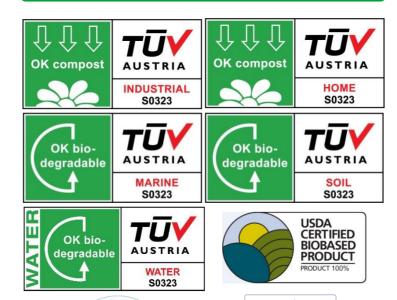
#### **Wood sourcing**



The mark of responsible forestry



#### **Environmental**











Customers should note that the third party certification and use of logos only relates to the fiber, and that final products would need recertification. There is no implied right for the customer to use any of the logos described herein.



EU Ecolabel AT/016/001

# Certificates and recognitions

- VÖNIX (Austrian Sustainability Index)
- The EU Ecolabel (European Flower)
- Responsible Care<sup>®</sup>
- OEKO-TEX® Standard 100
- European Award for the Environment (TENCEL™ fibers)
- PEFC™ (Chain of Custody)
- FSC® (Chain of Custody)

- 100 % USDA Biobased certification for Lenzing standard fibers (LENZING™ FR at 99 %)
- OK compost HOME (TÜV AUSTRIA BELGIUM)
- OK biodegradable SOIL (TÜV AUSTRIA BELGIUM)
- OK biodegradable MARINE (TÜV AUSTRIA BELGIUM)
- Food contact compliance (mainly based on European legislation / certain standard fibers)
- MEDICALLY TESTED TESTED FOR TOXINS
- FAIRTRADE INTERNATIONAL Textile Standard Responsible Fibres



## **Summary: Lenzing's solutions**

to sustainability challenges of textile industry



Responsible sourcing



ower footprint

Sustainable Innovations



Transparency & Partnerships

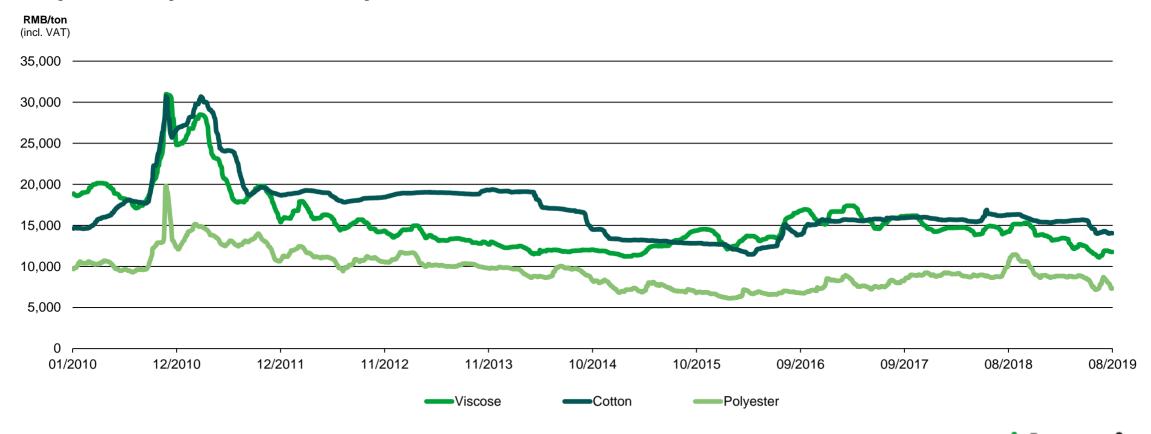


# Backup



# O Long-term interfiber price development

### Staple fiber prices – Development in China<sup>1</sup>



Source: China Cotton Association, China Chemical & Fiber Economic Information Network, China Chemical Fiber Group 1) Price development until August 2<sup>nd</sup>, 2019





## **Succesful launch of TENCEL™ in textiles**













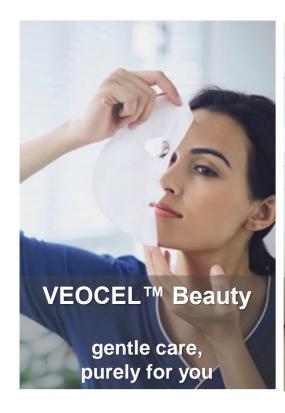






## A new brand for nonwovens















## Brand for new business areas

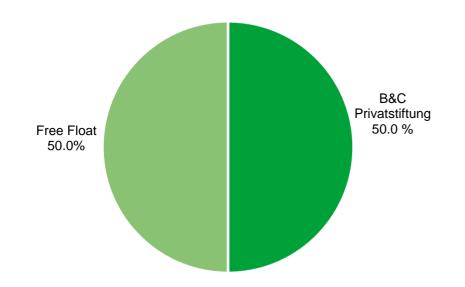
## **LENZING**<sup>™</sup>



TENCEL™ for Footwear is a B2B branded offer for Industrial applications. In B2C, it is covered under TENCEL™.



## Lenzing share information



#### Overview of B & C Privatstiftung (B & C Private Foundation)<sup>1</sup>

- B & C holds 50.00 % + 2 shares.
- Its purpose is the promotion of Austrian entrepreneurship.
- B & C Holding Österreich GmbH is the management holding of B & C Foundation with five representatives on Lenzing's Supervisory Board.
- As the core shareholder, B & C takes a long-term view and supports the strategy of Lenzing Group.

1) Link to B & C Privatstiftung website: <a href="https://www.bcholding.at/en/b-c-holding">https://www.bcholding.at/en/b-c-holding</a>

ISIN	LNZ / AT0000644505
Bloomberg	LNZ:AV
Reuters	LNZNF.PK
Indices	ATX, ATX Prime, ATX Global Players, VÖNIX Sustainability Index
Number of shares	26,550,000
Share price June 28, 2019	EUR 98.00
Market capitalization June 28, 2019	EUR 2,601.90 mn

#### Coverage as at August 6, 2019:

	Baader Bank	Buy
	Berenberg Bank	Sell
•	Deutsche Bank	Hold
•	Erste Group	Buy
	Kepler Cheuvreux	Buy
•	Landesbank Baden-Württemberg	Hold
	Raiffeisen Centrobank AG	Hold



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# O Contacts and financial calendar

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#### Visit our IR website

https://www.lenzing.com/investors/

#### Visit our SRI sites

<a href="https://www.lenzing.com/en/sustainability">https://www.lenzing.com/en/sustainability-reports</a>

#### Financial calendar

Full year results 2018	March 14, 2019
75 <sup>th</sup> Annual General Meeting	April 17, 2019
Results 01-03/2019	May 8, 2019
Half-year results 2019	August 7, 2019
Results 01-09/2019	November 6, 2019

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