## Leading Fiber Innovation



LENZING INVESTOR PRESENTATION - Q1/2013 RESULTS
May 8, 2013

## LENZING

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## Q1/2013: Key highlights

## Better than guided EBITDA, good volumes at low prices

- EBITDA ${ }^{1}$ EUR 64.5 mn ( $13.0 \%$ margin) - Guidance: "approx. EUR $60 \mathrm{mn"}$
- Better than estimated due to first positive effects from the excelLenz program

■ Sales volume increase y-o-y of $13.4 \%$ to 216.1 k tons

- Sales EUR 496.5 mn
- Approx. EUR 25 mn external sales decrease due to switch from external to internal sales in Czech pulp mill
- Average fiber price EUR 1.77 per kg (Guidance: EUR 1.75-1.80 per kg) 3.3\% below Q4/2012
- Cotton price $+14 \%^{2}$
- Cotton future $+17 \%^{2}$
- Chinese VSF-spot price flat ${ }^{2}$
- Vertical pulp integration increased to 52\%
- Full ramp-up in Czech pulp mill by end of March 2013
- Sale of Business Unit Plastics announced

2) December 31, 2012 versus March 29, 2013

## Q1/2013: Market environment

## Distortions in the fiber market

China's GDP growth/VSF Spot China


- China's GDP growth below Q4/2012 due to Chinese' New Year effect
- Textile exports still sluggish


## Two cotton realities

- China's cotton price 25 - 30 ct higher than the world cotton price
- World cotton price increase despite stock level >70\% not based on fundamental effects but on China's stock policy
- Lenzing's VSF-price ${ }^{1}$ premium reduced to $5.3 \%$ in Q1/2013
- Since mid March VSF spot market price below cotton price


## Q1/2013: Competitive environment

## Overcapacities in viscose

- Increase in Chinese viscose production driven
- by cheaper Q4/2012 dissolving wood pulp prices being processed in Q1/2013
- by increasing VSF spot market prices till mid March
- by focus on cash generation due to need of servicing debt and bonuses
- Fiber expansion projects delayed


## Q1/2013: Volume and prices as expected

 Downward price trend continued

1) core fiber segment sales, excluding sales of co-products and external sales of pulp, wood and energy
2) based on rounded figures

## Q1/2013: Textile fibers

## Modal settling at a slightly increased price level



Q4/2010Q1/2011 Q2/2011Q3/2011 Q4/2011Q1/2012Q2/2012Q3/2012Q4/2012Q1/2013 $\square$ Sales volume (kt) - ELS $(\text { EUR/kg })^{2} \quad$ ASP growth ${ }^{2}$

## Lenzing Modal ${ }^{\circledR 1}$



TENCEL ${ }^{\circledR}$


Q4/2010Q1/2011 Q2/2011Q3/2011 Q4/2011Q1/2012Q2/2012Q3/2012Q4/2012 Q1/2013

- Lenzing Viscose ${ }^{\circledR}$ : Losing 5 cent
- Lenzing Modal ${ }^{\circledR}$ price increase by 5 cent
- TENCEL ${ }^{\circledR}$ price adjustment continued as expected $\square$ Sales volume (kt) $\square$-ASP $(\text { EUR/kg })^{2} \longrightarrow$ ASP growth ${ }^{2}$ expect

Q4/2010Q1/2011 Q2/2011Q3/2011 Q4/2011Q1/2012Q2/2012Q3/2012Q4/2012Q1/2013 $\square$ Sales volume (kt) - ASP $(\text { EUR } / k g)^{2} \longrightarrow$ ASP growth ${ }^{2}$

7 LeAding fiber innovation

## Q1/2013: Nonwoven fibers

## A stabilizing factor

- Lenzing Viscose ${ }^{\circledR}$ : New record in sales volume and above textile price level (EUR 1.54)
- TENCEL® ${ }^{\circledR}$ Stable volumes and prices
- High interest for new technical applications

Lenzing Viscose ${ }^{\circledR}$



TENCEL ${ }^{\circledR}$


Q4/2010Q1/2011 Q2/2011Q3/2011 Q4/2011Q1/2012Q2/2012Q3/2012Q4/2012Q1/2013 Q4/2010Q1/2011 Q2/2011Q3/2011 Q4/2011Q1/2012Q2/2012Q3/2012Q4/2012Q1/2013

$\square$ Sales volume (kt) $\because$ - ASP $(\text { EUR } / \mathrm{kg})^{1} \circlearrowright$ ASP growth ${ }^{1}$

1) based on rounded figures

## Q1/2013: Relative pricing

## Modal re-establishes premium over TENCEL®

■ Modal: Premium over viscose at high end of historic $40-50 \%$ range

- TENCEL ${ }^{\oplus}$ textile premium on a more realistic level than in prior quarters
- Steady TENCEL ${ }^{\circledR}$ nonwovens premium


## Textile fibers

| Relative price (viscose $=100 \%$ ) |  | FY 2011 |  | Q2/2012 | Q3/2012 | Q4/2012 | FY 2012 | Q1/2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (\%) | FY 2010 |  | Q1/2012 |  |  |  |  |  |
| Lenzing Viscose ${ }^{\circledR}$ | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Lenzing Modal ${ }^{\text {® }}$ (inc. FR) | 144 | 154 | 159 | 146 | 144 | 145 | 148 | (152) |
| TENCEL ${ }^{\circledR}$ | 118 | 136 | 168 | 174 | 163 | 154 | 164 | (147) |

## Nonwoven fibers

Relative price (viscose = 100\%)

| (\%) | FY 2010 | FY 2011 | Q1/2012 | Q2/2012 | Q3/2012 | Q4/2012 | FY 2012 | Q1/2013 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lenzing Viscose ${ }^{\circledR}$ | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| TENCEL $^{\circledR}$ | 117 | 116 | 137 | 137 | 135 | 129 | 134 | $(129)$ |

## Q1/2013: excelLENZ with first results

## excelLENZ helped to more than offset fiber price decrease versus Q4/2012



- excelLenz generated approx. EUR 5 mn of cost savings on top of slightly more favorable than expected raw-material prices (caustic soda, liquid sulphur)
- Major contributors: maintenance opex, first re-negotiations with suppliers, commissions
- Further progress expected in Q2/2013, structural measures to follow starting H2/2013


## Q1/2013: Solid financials

## Higher net debt, healthy ratios



- Net debt increase of EUR 67 mn
- Strong Q1/2013 investments in (EUR 56.5 mn )
- EUR 35.6 mn taxes (of which EUR 29.0 mn tax-prepayments)
- EUR 25.0 mn increase in working-capital
- Adjusted equity of EUR $\mathbf{1 , 1 7 3} \mathbf{~ m n}$
- 45.1\% equity ratio (YE: 43.8\%)
- Net gearing of 35.2\% (YE: 30.0\%)
- Total liquidity cushion of EUR 654 mn
- EUR 442 mn cash
- EUR 212 mn of unused credit lines

1) as of December 31
2) as of December 31, 2012, in addition to cash and cash equivalents and marketable securities, the liquidity position also now encompasses liquid bank drafts. For this
reason, the previous year's figure for the liquidity reserve (December 31, 2011: 493,800 EUR) was increased by 5,764 EUR and the level of net financial debt was adapted accordingly. 3) as of March 31, 2013

## Confirmed Outlook Full Year 2013

## SWOT analysis

## Strengths

■ LAG's ability to sell everything which is produced (at above 95\% utilization rate) - quality leadership

Solid speciality premiums - Modal and TENCEL ${ }^{\circledR}$ representing 34.5\% of fibers sales (Q1/2013)

## Opportunities

■ Need for differentiation by customers (speciality blends) due to difficult textile market environment

■ Re-establishment of Viscose premium over cotton

## Weaknesses

- High price sensitivity (1 cent average price = EUR 9 mn EBITDA)

■ Despite world-market leadership, LAG is a price-taker, not a price-setter

## Threats

- Low dissolving wood pulp spot market prices reducing production costs of Chinese competitors
$\square$ Higher utilization rates of Chinese over-capacities due to continuous need of generating cash


## Outlook Q2/2013

## No market improvement in sight

Sales volume
EBITDA
Average fiber price
approx. on Q1/2013 level

- Q2 sales volume expected to increase by more than 5 kto compared with Q1
- Fire in Heiligenkreuz to reduce TENCEL ${ }^{\circledR}$ volumes by an estimated 5 kto (full year volume guidance slightly down: approx. 915 kto)
- Progress of excelLENZ continues to support EBITDA
- Cash outflow of EUR 53.1 mn due to dividend payment
- Sale of Business Unit Plastics with positive impact on net debt (if not delayed to Q3/2013)


## Q1/2013 Financial information



## Q1/2013: Sales affected by price pressure

 Viscose with higher sales due to volume increase. Continuous success in Nonwovens

Sales by segment fibers
(EUR mn)


## Q1/2013: Volume record in Nonwoven

## Textile and nonwoven fiber sales volumes



Q4/2010 Q1/2011 Q2/2011 Q3/2011 Q4/2011 Q1/2012 Q2/2012 Q3/2012 Q4/2012 Q1/2013 External sales (EUR mn) Sales volume (kt)=-ASP (EUR/kg) ${ }^{2} \quad$ ASP growth ${ }^{2}$


Q4/2010 Q1/2011 Q2/2011 Q3/2011 Q4/2011 Q1/2012 Q2/2012 Q3/2012 Q4/2012 Q1/2013
$\square$ External sales (EUR mn) Sales volume (kt)=-ASP (EUR/kg) ${ }^{2} \quad$ ASP growth ${ }^{2}$

## Nonwoven fibers ${ }^{1}$

## Q1/2013: As expected

## Better than guided EBITDA

| (EUR mn) | Q1/2013 | Q1/2012 | $\begin{array}{r} \text { Change } \\ y-0-y(\%) \end{array}$ | Q1/2013 continuing operations | Q1/2012 continuing operations | Q1/2013 <br> discontinued operations | Q1/2012 <br> discontinued operations |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sales volume man-made cellulose fibers (kt) | 216.1 | 190.6 | 13.4 | 216.1 | 190.6 | 0 | 0 |
| Total external sales | 496.5 | 528.2 | (6.0) | 472.2 | 499.7 | 24.3 | 28.5 |
| Inventory change/work in progress | (6.1) | 3.9 | (256.4) | (6.2) | 4.8 | 0.1 | (0.8) |
| Work performed by the group and capitalized | 15.5 | 3.1 | n.m. | 15.4 | 3.1 | 0.1 | 0.0 |
| Cost of material and purchased services | (309.7) | (318.3) | (2.7) | (295.1) | (300.8) | (14.6) | (17.5) |
| Personnel \& other operating expenses/inco............................................................................ | (131.1) | (123.0) | 6.6 | (124.2) | (115.9) | (6.9) | (7.0) |
| Depreciation \& Amortization | (29.0) | (26.7) | 8.6 | (28.2) | (25.5) | (0.8) | (1.2) |
| EBIT (before restructuring) | 36.2 | 67.2 | (46.1) | 34.1 | 65.3 | 2.1 | 1.9 |
| EBITDA ${ }^{1}$ (before restructuring) | 64.5 | 93.1 | (30.7) | 61.6 | 90.0 | 2.9 | 3.1 |
| EBIT (after restructuring) | 35.1 | 67.2 | (47.8) | 34.1 | 65.3 | 0.9 | 1.9 |
| EBITDA (after restructuring) | 66.3 | 93.1 | (28.9) | 61.6 | 90.0 | 4.7 | 3.1 |
| Net income | 20.9 | 48.4 | (56.8) | 20.8 | 47.1 | 0.2 | 1.3 |
| Net income after minorities | 20.1 | 47.1 | (57.3) | 19.9 | 45.8 | 0.2 | 1.3 |
| EBIT (before restructuring) margin (\%) | 7.3 | 12.7 | - | 7.2 | 13.1 | 8.7 | 6.6 |
| EBITDA (before restructuring) margin (\%) | 13.0 | 17.6 | - | 13.0 | 18.0 | 11.9 | 10.9 |
| EBIT (after restructuring) margin (\%) | 7.1 | 12.7 | - | 7.2 | 13.1 | 3.9 | 6.6 |
| EBITDA (after restructuring) margin (\%) | 13.4 | 17.6 | - | 13.0 | 18.0 | 19.5 | 10.9 |

1) EBITDA defined as EBIT + depreciation - reversal of government grants

## Q1/2013: Topline breakdown

## Fiber sales nearly on Q4 level thanks to higher volumes

| (EUR mn) | Q1/2013 | Q1/2012 | Change $y-0-y(\%)$ |
| :---: | :---: | :---: | :---: |
| Breakdown of fibers segment sales |  |  |  |
| Textile fibers | 271.3 | 281.7 | (3.7) |
| Nonwoven fibers | 111.3 | 104.9 | 6.1 |
| Others ${ }^{1}$ | 12.9 | 12.3 | 4.9 |
| Total fibers only sales | 395.5 | 398.9 | (0.9) |
| Other fibers segment sales ${ }^{2}$ | 51.6 | 75.5 | (31.7) |
| Total fibers segment sales | 447.1 | 474.4 | (5.8) |
| Segment Engineering | 35.3 | 30.0 | 17.7 |
| BU Plastics and EPG (discontinued operations) | 26.3 | 32.5 | (19.1) |
| Others ${ }^{3}$ and consolidation | (12.1) | (8.7) | 39.1 |
| Total external group sales | 496.5 | 528.2 | (6.0) |

1) includes sales of sodium sulfate and black liquor
2) includes external sales of pulp, wood and energy
3) includes Dolan and BLZ (Bildungszentrum Lenzing)

## Q1/2013: 2.7\% decrease of cost

## Cost switch Paskov (other/DWP) and first effects from excelLenz

| (EUR mn) | Q1/2013 | Q1/2012 | Change $y-0-y(\%)$ |
| :---: | :---: | :---: | :---: |
| Dissolving wood pulp ${ }^{1}$ | (134.7) | 131.6 | 2.3 |
| as \% of total cost of material and purchased services | 43.5 | 41.3 | - |
| Key chemicals | 45.5 | 41.7 | 9.2 |
| as \% of total cost of material and purchased services | 14.7 | 13.1 | - |
| Energy | 39.0 | 35.6 | 9.7 |
| as \% of total cost of material and purchased services | 12.6 | 11.2 | - |
| Other ${ }^{2}$ | (90.5) | 109.5 | (17.3) |
| as \% of total cost of material and purchased services | 29.2 | 34.4 | - |
| Total cost of material and purchased services | 309.7) | 318.3 | (2.7) |
| as \% of external sales | 62.4 | 60.3 | - |
| Total external sales | 496.5 | 528.2 | (6.0) |
| Total fibers only sales | 395.5 | 398.9 | (0.9) |
| Total Opex ${ }^{3}$ | 448.7 | 451.9 | (0.7) |
| Material cost as \% of total Opex | 69.0 | 70.4 | - |

1) including cost for wood
2) other includes trading goods, other raw materials, packaging, auxiliary material
3) includes cost of material and purchased services, personnel expenses and other operating expenses

## Q1/2013: Total Remaining Opex

Representing approx. $30 \%$ of total Opex and fairly stable

| (EUR mn) | Q1/2013 | Q1/2012 | Change $y-0-y(\%)$ |
| :---: | :---: | :---: | :---: |
| Total personnel expenses | 82.1 | 75.4 | 8.9 |
| as \% of external sales | 16.5 | 14.3 | - |
| Other operating expenses |  |  |  |
| Freight outward | 22.0 | 18.4 | 19.6 |
| Commissions and advertising costs | 5.5 | 3.4 | 61.8 |
| Service and maintenance and other purchased services | 9.7 | 8.8 | 10.2 |
| Other | 19.7 | 27.6 | (28.6) |
| Total other operating expenses | 56.9 | 58.2 | (2.2) |
| as \% of external sales | 11.5 | 11.0 | - |
| Total remaining Opex | 139.0 | 133.6 | 4.0 |
| as \% of external sales | 28.0 | 25.3 | - |
| Total external sales | 496.5 | 528.2 | (6.0) |
| Total Opex ${ }^{1}$ | 448.7 | 451.9 | (0.7) |
| Total remaining Opex as \% of total Opex | 30.1 | 29.6 | - |

1) includes cost of material and purchased services, personnel expenses and other operating expenses

## Q1/2013: Cash flow by quarter

| (EUR mn) | Q1/2013 | Q1/2012 | Change y-0-y (\%) |
| :---: | :---: | :---: | :---: |
| Gross CF (before taxes and interest) | 66.1 | 94.3 | (40.0) |
| Taxes and interest | 40.0 | 15.1 | 164.9 |
| Gross CF (after taxes and interest) | 26.1 | 79.2 | (67.7) |
| Change in total working capital ${ }^{1}$ | (25.0) | 2.0 | n.m. |
| CF from discontinued operations | (3.1) | 4.2 | n.m. |
| Operating Cash flow | (1.9) | 85.4 | (102.3) |
| Investment Cash flow ${ }^{2}$ | (53.9) | (22.6) | 135.6 |
| Free Cash flow | (55.8) | 62.9 | (188.8) |

1) including trade and other working capital
2) including investment in financial assets and disposal proceeds

## FY 2012 Financial information



## 2012: Solid volume growth

## Textile segment sales more affected by price volatility

Textile fibers ${ }^{1}$
External Sales (EUR mn)


## Nonwoven fibers ${ }^{1}$

External Sales (EUR mn)


1) excluding sales of co-products and external sales of pulp, wood and energy

## 2012: Textile fibers

## Viscose and Modal back to 2010 levels, TENCEL® with some way to go

## Lenzing Viscose ${ }^{\circledR 1}$



1) excluding sales of co-products and external sales of pulp, wood and energy

TENCEL ${ }^{\circledR 1}$


- Lenzing Viscose ${ }^{\circledR}$ price decreased by $14 \%$ in line with low price level of Chinese viscose spot prices
- Lenzing Modal ${ }^{\circledR}$ adjusted exaggerated 2011 premium
- TENCEL ${ }^{\circledR}$ in retrospect: Over-stretching the premium?


## 2012: Nonwoven fibers

## TENCEL® significantly below Textile

Lenzing Viscose ${ }^{\circledR 1}$


■ Lenzing Viscose ${ }^{\circledR}$ : Nonwoven in line with Textile over a longer period of time

- TENCEL ${ }^{\circledR}$ Nonwoven behind Textile with less need for adjustment


## 2012: Relative pricing

TENCEL ${ }^{\circledR}$ premium on a very high level in the textile segment

## Textile fibers

Relative price (viscose $=100 \%$ )

| $(\%)$ | 2010 | 2011 | 2012 |
| :--- | :---: | :---: | :---: |
| Lenzing Viscose ${ }^{\circledR}$ | 100 | 100 | 100 |
| Lenzing Moda ${ }^{\circledR}$ (incl. FR) | 144 | 154 | 148 |
| TENCEL ${ }^{\circledR}$ | 118 | 136 | $164)$ |

Nonwoven fibers
Relative price (viscose $=100 \%$ )

| $(\%)$ | 2010 | 2011 | 2012 |
| :--- | :---: | :---: | :---: |
| Lenzing Viscose ${ }^{\circledR}$ | 100 | 100 | 100 |
| TENCEL ${ }^{\circledR}$ | 117 | 116 | 134 |

## Impact of EPG wind-up on 2012 P\&L

## Summary of restructuring effects

| (EUR mn) | before EPG | after EPG | Difference |
| :--- | ---: | ---: | ---: | ---: |
| EBITDA | 358.7 | 352.4 | 6.3 |
| EBIT | 255.0 | 231.5 | 23.5 |
| EBT | 246.4 | 236.0 | 10.4 |
| Net profit (before minorities) | 191.9 | 180.9 | 11.0 |
| Net profit (after minorities) | 186.6 | 175.6 | 11.0 |

## Consolidated Group P\&L¹



1) before restructuring
2) other = work performed by group, changes in inventory \& cost of material purchased
3) weighted average number of shares $26,550,000$

28 LEADING FIBER INNOVATION

## Material cost: Pulp decreases, Key Chemicals increase

| (EUR mn) | 2012 | 2011 | Change in \% |
| :---: | :---: | :---: | :---: |
| Dissolving wood pulp ${ }^{1}$ | 529.7 | 564.9 | (6.2) |
| as \% of total cost of material and purchased services | 40.7 | 44.3 | - |
| Key chemicals | 181.1 | 139.1 | 30.2 |
| as \% of total cost of material and purchased services | 13.8 | 11.0 |  |
| Energy | 146.9 | 128.8 | 14.1 |
| as \% of total cost of material and purchased services | 11.3 | 10.1 | - |
| Other ${ }^{2}$ | 445.5 | 442.9 | 0.6 |
| as \% of total cost of material and purchased services | 34.2 | 34.7 | - |
| Total cost of material and purchased services | 1,303.2 | 1,275.7 | 2.2 |
| as \% of external sales | 62.3 | 59.6 | - |
| Total external sales | 2,090.4 | 2,140.0 | (2.3) |
| Total fibers only sales | 1,584.8 | 1,581.1 | 0.2 |
| Total Opex ${ }^{3}$ | 1,839.5 | 1,767.4 | 4.1 |
| Material cost as \% of total Opex | 70.8 | 72.2 | - |

1) including cost for wood
2) other includes trading goods, other raw materials, packaging, auxiliary material
3) includes cost of material and purchased services, personnel expenses and other operating expenses

## Remaining Opex: Freight and Other growing over-proportionally

## Representing approx. 29\% of total Opex on a full year basis



1) includes cost of material and purchased services, personnel expenses and other operating expenses

## Balance sheet as of December 31, 2012



## Full year Cash flow



1) including trade and other working capital
2) including investment in financial assets and disposal proceeds

## Appendix Company information



## Global fiber market at a glance

 2012 estimated production numbers

Source: Lenzing estimates
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## Lenzing at a glance <br> Global market leader in a growth market

- Growth opportunity through 3 mega-trends leading to the cellulose gap
- Global market leader in producing man-made cellulosic fibers (MMCF)
- $22 \%$ market share (of world wide production)
- Innovation, technology and quality leader
- Cost leader
- Double digit growth profile over last 12 years
- Global presence (production/sales/marketing) and expansion
- Solid financials
- Equity ratio ${ }^{1}$ : 45.1\%
- Net gearing ${ }^{1}$ : 35.2\%
- Total liquidity cushion ${ }^{1}$ : EUR 654 mn


## Growth opportunity: cellulose Gap

MMCF: Strong demand and limitations on cotton supply


## Cellulose Gap: A growth opportunity <br> Limited potential to increase cotton supply increases demand for MMC fibers

Cotton planted area expected to remain stable within narrow band (1960-2012)

Million hectares


Source: U.S. Department of Agriculture
ICAC, February 1, 2013

Limited growth in cotton production: effects from yield expansion leveling out

```
Million metric tones
```



## Cellulose Gap: A growth opportunity

## 9\% p.a. forecast for MMCF over current decade

The demand gap of cellulosic fibers opening due to limited cotton supply can best be filled by MMC fibers as substitute Fiber market growth by type of fiber (1960-2020e)


Sources: ICAC, CIRFS, Fiber Economics Bureau, National Statistics, The Fiber Year, Lenzing estimates. Percentage increases based on exact figures
LENZING 38 LEADING FIBER INNOVATION

## Mega-trend: Sustainability

## Green footprint: Significantly more environmentally friendly than cotton

■ More than $50 \%$ of Lenzing's fuel consumption sourced from renewable resources
■ Lenzing Group environmental impact of production relative to cotton only approx. 5.7\%

Water consumption


Environmental impact of production ${ }^{1}$

Relative to cotton


Source: "Life Cycle Assessment of man-made Cellulose fibers"; Li Shen, Martin Patel; 2007

1) including freshwater ecotoxicity, terrestrial ecotoxicity and others

39 LEADING FIBER INNOVATION

## Global market leader in VSF ${ }^{1}$

## Lenzing with $22 \%$ share of production ${ }^{2}$ Lenzing with $18 \%$ share of capacities ${ }^{3}$



Source: CIRFS, FEB, Trade statistics, Company estimates; as of December 31, 2012

1) Viscose Stable Fibers (including Modal and Tencel)
2) Production China: based on $68 \%$ utilization (CCFA)
3) based on latest available company information from company websites and annual/interim reports
4) direct or indirect non-controlling shareholdings by private Indian conglomerate Aditya Birla; marketing of viscose stables fibers under the "Birla"
umbrella brand
40 LEADING FIBER INNOVATION

## Only true global player

## Sales by region ${ }^{1}$



Source: Company information

1) fiber sales by volume in metric tons, as at March 31, 2013

## Technology leadership secures leading market shares

|  |  | Market Position and Market Share in $2012{ }^{1}$ | Unique Selling Proposition | Key End Markets | \% of Fiber Sales Q1/2013 ${ }^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| - TENCEL |  | \# 1 - Quantum leap technology | ...the new age fiber <br> Environmentally friendly process <br> Breathable, next to skin characteristics <br> Can be blended with cotton <br> Strength (wash ability, denim process) | -High-end consumer applications -Special technical applications | 19.5\% |
|  |  | \# 1 | ...makes the world a softer place <br> Natural softener for fabrics <br> Next to skin characteristics <br> Can be blended with cotton | -Consumer applications -High performance apparel | $15.0 \%^{3}$ |
| Viscose ${ }^{\circ}$ |  | \# 2 17\% | ...sets industry standard <br> Superior quality allows for use of high-end textile machinery ${ }^{4}$ <br> Consistent in dyeing and finishing <br> Global service package | -Consumer applications -Technical applications | 65.5\% |

## Source: Lenzing

1) by production capacity
2) excluding sales of fiber by-products, external sales of pulp, wood, energy
3) including Lenzing $\mathrm{FR}^{\circledR}$
4) e.g. airjet spinning machine allowing for $420 \mathrm{~m} / \mathrm{min}$ compared to $25 \mathrm{~m} / \mathrm{min}$ on regular (ring spinning) textile machines

## Lenzing is the innovation leader Industry leading R\&D spend (EUR 28.3 mn in 2012)

R\&D expenses (2000-2012)


Source: LAG, as at December 31, 2012

## Intellectual property

- As of December 2012, Lenzing owned approx. 1,380 patent applications and patents in 57 countries belonging to 226 patent families
- All significant patents are filed and maintained in Asia, the European Union and the Americas
- The majority of the patent portfolio focuses on lyocell technology (TENCEL ${ }^{\circledR}$ )
- As of December 2012, Lenzing owned approx. 1,500 trademark applications and trademarks in 95 countries belonging to 123 trademark families


## Innovation

## R\&D organization and unique innovation model

## Organization structure

- Integration into business units
- Close collaboration with sales \& marketing to develop applications for customers


## Dedicated resources and investments in R\&D

Textile
innovation

Nonwoven
innovation

## 22 FTEs

- Application development


## 41 FTEs

Process
innovation TENCEL ${ }^{\circledR}$

- Application development
- Pulp process innovation
- Viscose process innovation


## 105 FTEs

- Lyocell process innovation
- Fiber development (Viscose, Lenzing Modal ${ }^{\circledR}$,


## Unique innovation model

## Breakthrough innovation

- Focus: Leap technologies (e.g. Lenzing Modal ${ }^{\circledR}$, TENCEL ${ }^{\circledR}$, TencelWeb ${ }^{\circledR}$ )
- $10 \%$ of total 2012 projects

Product innovation

- Focus:
customizing
- $15 \%$ of total 2012 projects

Source: LAG, as at December 31, 2012
FTEs refers to full time employees


## Process innovation

- Focus: quality, productivity
- $55 \%$ of total 2012 projects

Application innovation

- Broaden application base
- $20 \%$ of total 2012 projects
- 108 projects in process


## Lenzing is the cost leader

## Through pulp integration and long-term pulp supply contract

- Pulp is the key cost driver with $\mathbf{4 3 \%}$ share of total costs of material and purchased services
- 90+\% of long-term pulp supply secured through own production (vertical integration) and long-term supply contracts

■ Long-term contract linked to paper pulp index (not to spot price of dissolving pulp) plus applicable premium


Source: Lenzing
Source: Lenzing

1) cost structure based on cost of materials and purchased services amounting to 309.7 EUR mn in Q1/2013 2) including wood
2) other includes trading goods, other raw materials, packaging, auxiliary material
3) data refers to sourcing of pulp used in a quarter, including inventory build-up. Paskov volumes included under vertical integration 5) assuming spot price of $\$ 915$ per metric ton

45 LEADING FIBER INNOVATION

## Double-digit growth profile

## Lenzing has managed growth successfully in the past

- Double-digit growth p.a. over last 12 years

Fiber production
( 1,000 ‘s metric tons)


Total external sales ${ }^{1}$
(EUR mn)


EBITDA ${ }^{1,2}$
(EUR mn)

$\mathrm{EBIT}^{1,2}$
(EUR mn)


1) 2000 based on US GAAP; 2012 based on IFRS 2) before restructuring

## Cost leadership

## Through economies of scale

Lenzing is the only company to operate production lines with an annual capacity of 80,000 metric tons

| Biggest MMC fiber plants worldwide ${ }^{1}$ |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Company | Site | Production |
| \#1 | -LENZING | Lenzing, Austria | 260k to |
| \#2 | LENZING | Purwakarta, Indonesia | 250k to |
| \#3 | Fulida Xinjiang | Kuerle, China | 205k to |


| Benefits from scale |
| :--- |
| $\checkmark$ 10-15\% lower Capex requirements compared to |
| smaller plants operated by competitors |
| $\checkmark$ Larger production lines driving operating economies of |
| scale (approx. 10\% lower Opex compared to smaller <br> lines operated by competitors) |

## Capacity expansion to $2014^{1}$ - 1 mn tons What we have in the pipeline today



## Expansion program

## Significant investments envisaged to support growth strategy

|  | $\begin{array}{r} \text { Capacity - } \\ \text { YE } 2011 \\ \text { (metric tons) } \end{array}$ | Capacity YE 2012 (metric tons) |  | Planned |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | capacity - | capacity - |
|  |  |  | $\text { YE } 2013$ | $\text { YE } 2014$ |
| Plant location |  |  | (metric tons) | (metric tons) |
| Lenzing / Austria | 252,000 | 252,000 | 264,000 | 339,000 |
| Lenzing Viscose ${ }^{\circledR}$ | 149,000 | 149,000 | 161,000 | 161,000 |
| Lenzing Modal® | 103,000 | 103,000 | 103,000 | 111,000 |
| TENCEL® | - | - | - | 67,000 |
| Purwakarta / Indonesia, Lenzing Viscose ${ }^{\circledR}$ | 240,000 | 320,000 | 325,000 | 330,000 |
| Nanjing / China, Lenzing Viscose ${ }^{\circledR}$ | 140,000 | 160,000 | 178,000 | 178,000 |
| Heiligenkreuz / Austria, TENCEL ${ }^{\circledR}$ | 63,000 | 65,000 | 65,000 | 65,000 |
| Grimsby / UK, TENCEL ${ }^{\circledR}$ | 40,000 | 40,000 | 40,000 | 40,000 |
| Mobile / USA, TENCEL ${ }^{\circledR}$ | 40,000 | 50,000 | 50,000 | 50,000 |
| India, Lenzing Viscose ${ }^{\circledR}$ | - | - | - | - |
| Total fibers | 775,000 | 887,000 | 922,000 | 1,002,000 |
| Lenzing / Austria | 289,000 | 290,000 | 290,000 | 291,000 |
| Paskov / Czech Republic | 60,0001 | 117,000 | 240,000 | 260,000 |
| New pulp plant | - | - | - | - |

1) adjusted

## Capacity by site 2012-2013

| (metric tons) | Capacity per March $31,2012$ | Capacity per June 30, 2012 | Capacity per September 30, 2012 | Capacity per December 31, 2012 | Capacity per March 31, 2013 | Capacity per June 30, 2013 | Capacity per September 30, 2013 | Capacity per December 31, 2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lenzing | 260,000 | 260,000 | 260,000 | 252,000 | 264,000 | 264,000 | 264,000 | 264,000 |
| Indonesia | 240,000 | 240,000 | 240,000 | 320,000 | 320,000 | 320,000 | 320,000 | 325,000 |
| Nanjing | 140,000 | 160,000 | 160,000 | 160,000 | 160,000 | 178,000 | 178,000 | 178,000 |
| India | - | - | - | - | - | - | - | - |
| Heiligenkreuz | 63,000 | 63,000 | 63,000 | 65,000 | 65,000 | 65,000 | 65,000 | 65,000 |
| Grimsby | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 | 40,000 |
| Mobile | 40,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Total | 783,000 | 813,000 | 813,000 | 887,000 | 899,000 | 917,000 | 917,000 | 922,000 |

## Capacity by site 2014

| (metric tons) | Capacity per March 31, 2014 | Capacity per June 30, 2014 | Capacity per September 30, 2014 | Capacity per December 31, 2014 |
| :---: | :---: | :---: | :---: | :---: |
| Lenzing | 264,000 | 331,000 | 331,000 | 339,000 |
| Indonesia | 325,000 | 325,000 | 325,000 | 330,000 |
| Nanjing | 178,000 | 178,000 | 178,000 | 178,000 |
| India | - | - | - | - |
| Heiligenkreuz | 65,000 | 65,000 | 65,000 | 65,000 |
| Grimsby | 40,000 | 40,000 | 40,000 | 40,000 |
| Mobile | 50,000 | 50,000 | 50,000 | 50,000 |
| Total | 922,000 | 989,000 | 989,000 | 1,002,000 |

## High barriers to entry

## Global branded supplier to blue chip customer base



- Trusted, long-term partner for global consumer brands

■ Global integrated marketing and sales network

- Branded supplier with involvement in value chain decision process of customers
$\Rightarrow$ Push: Close collaboration with manufacturers of spinning machinery
$\Rightarrow$ Pull: Marketing through tailored and innovative branded products unique to Lenzing
- Customer stickiness


## Sales and marketing

## Customer concentration

Textiles - \% of sales by customers (Q1/2013)


Source: LAG

Nonwoven - \% of sales by customers (Q1/2013)


## Sales and marketing

## Blue chip company's drive demand in specialties - TENCEL ${ }^{\circledR}$, Lenzing Modal ${ }^{\circledR}$

■ Lenzing is a trusted, long-term partner for global consumer brands

- Approx. $45 \%$ of textile and approx. $60 \%$ of nonwoven sales for specialty fibers (TENCEL ${ }^{\circledR}$, Lenzing Modal ${ }^{\circledR}$ ) can be attributed to key account customers
- Company acts as a branded supplier with involvement in the value chain decision process of customers
- Supply chain management is a strong differentiator for Lenzing

Selected key decision makers

\% demand from key accounts for specialty fibers


## Where our fibers end up

Ladies wear - close to skin

- Cowl neck tee
- USD 39.50
- TENCEL ${ }^{\circledR}$ / Spandex


Victoria's Secret

- Lightly padded bra top maxi dress
- USD 79.50
- Ecosi ${ }^{\circledR}$ Lenzing Modal ${ }^{\circledR}$ / Spandex


Victoria's Secret
LENZING

## Where our fibers end up

- Sequined knit cardigan
- USD 88.00
- $58 \%$ Viscose / 42\% TENCEL ${ }^{\circledR}$


AX Aemsinccunces

- Denim shirt Nixon
- EUR 39.95
- $100 \%$ TENCEL ${ }^{\circledR}$



## Where our fibers end up

## Soft denim - can be sold in retail with a high premium

- Vintage flare jeans
- USD 98.00
- 100\% TENCEL ${ }^{\circledR}$


Levis

- Five pocket skinny jeans
- USD 240.00
- Lenzing Modal ${ }^{\circledR}$ / TENCEL® ${ }^{\circledR /}$

Cotton / Elastane


## HELMUT LANG

## Where our fibers end up

- USD 33.00 (tank top), USD 38.00 (V-neck)
- MicroModal ${ }^{\circledR}$ / Spandex


NORDSTROM

- Armani collezioni sportcoat
- USD 645.00
- TENCEL®


NORDSTROM

## Where our fibers end up

## USA's leading baby wipe - TENCEL ${ }^{\circledR}$ inside



More than ever, parents like you want products for their children that are naturally made from raw materials but are also safe for the environment

That's why Tencelt is the ideal Now Age material. Tencel is made from trees. Actually, from the cellulose inside trecs, which is naturally absorbent and renewable. The rece are grown on non-ara ble and without the need for pesticides or fertilizers. The innovative manufacturing process is anvironmentally responsible because it effectively uses, recaptures and reuses resources such as water Even the wipes are biodegradable, which creates : iatural, sustainable cycle.

Nature returning to Nature.

You've just purchased the most exciting breakthrough in premium-quality baby wipes. Kintend SIgnaturc' All Nat Wur Piber in the world. foaturing the Tencel' bram encol is the rvvoutionary fabric wht and foel why it's ultra=zort the very first tme youvie it
BETTER FOR BABY
Tencor: is ultre-sert and absoebs,
BETTER FOR YOUR WORID
Our whes are made from 100\%

## Tencel

## - Derived from natural resource

- 100\% renewable
- Biodegradable
- In established international testing, Tencel 's manufacturing process is rated more eco-friendily than other fibers. In addition, its carbon footprint is about $30 \%$ smaller than that of cotton maufacturing

Tencel is advanced care for your baby and for our earth.


## Our production sites

Lenzing AG -
Austria (fiber and pulp)


Lenzing (Nanjing) Fibers Co. Ltd. China


PT. South Pacific Viscose Indonesia


Heiligenkreuz -
Austria


## Our production sites

Grimsby -
Great Britain


Mobile -
USA


Biocel Paskov a.s. -
Czech Republic (pulp)


## Lenzing Management Board team and shareholder structure



Peter Untersperger/CEO


Friedrich Weninger/COO


Thomas G. Winkler/CFO

Lenzing AG shareholder structure


## Overview of B \& C Privatstiftung1

- $67.6 \%$ owner of Lenzing is B \& C Privatstiftung ( $\mathrm{B} \& \mathrm{C}$ Private Foundation). Its purpose is the promotion of Austrian entrepreneurship.
- B \& C Industrieholding GmbH is the management holding of $B \& C$ Foundation.
- As the core shareholder, B \& C promotes the dynamic growth of the portfolio companies and takes a long-term view.


## Back-up



## Sale of Business Unit Plastics

## Till closing "held for sale"

■ Sale of $85 \%$, remaining shareholding of $15 \%$
■ Valuation at approx. 8 times 2012 EBITDA
■ Lenzing Plastics with EUR 109.4 mn sales and EBITDA of EUR 11.2 mn in 2012

- Austrian investor

■ Closing expected at the end of Q2/beginning of Q3

## Confirmed outlook: Full Year 2013

## A year of transition

| Sales | approx. EUR $2.15-2.25 \mathrm{bn}$ |
| :--- | :--- |
| EBITDA | approx. EUR $260-290 \mathrm{mn}$ |
| EBIT | approx. EUR $140-170 \mathrm{mn}$ |
| Average fiber price | approx. EUR $1.80-1.90$ per kg |
| Sales volume | approx. $\mathbf{9 1 5} \mathbf{~ k ~ t o n s ~ ( + 1 3 \% ) ~}$ |
| CAPEX | approx. EUR 260 mn |
| Dividend policy | minimum EUR 1.75 per share |

Reduction of sales by further EUR $\mathbf{5 0} \mathbf{~ m n}$ due to complete switch from external to internal sales in Czech pulp mill

- EBITDA margin of approximately $12 \%-13 \%$ EBIT margin of approximately $6 \%-8 \%$
- Lower fiber prices with almost direct effect on Lenzing's earnings
- Record sales volume but margin contribution strongly influenced by expected cost increases (personnel, CS2 and selected other input cost factors) and cost savings potential
- Lower CAPEX to reflect lower visibility and focus on managing cash flow
- Minimum dividend to compensate for fiber market volatility and support an adequate shareholder return
- Higher tax rate based on lower positive effect from "B\&C Tax Group" (EUR 1.5 mn compared with EUR 10.5 mn in 2012)


## 2012/13: The perfect storm? <br> Short term pain, long term gain for Lenzing

## Market

■ Cotton stock/use ratio >70\%
■ Cotton price $\sim 90$ cents/lb

Competitor
■ Postponing pulp (up to 700 kto ) and fiber (up to 400 kto) projects beyond 2013

- Steering by utilization


## Macro

- Weak demand in Europe and USA
- China: availability of capital is restricting factor


## Cost

- Pulp price (spot market) only goes down slowly from current low level
- Carbon-disulphide price increase, caustic soda/energy flat


## Chinese economic development

## No V-shaped recovery

■ Chinese GDP growth: gradual recovery stopped in Q1/2013
■ GDP Q1/2013: 7.7\% (Q4/2012: 7.9\%)

## GDP growth

(year-on-year in \%)
16,0


Source: Deutsche Bank; Asia Data Flash - China, April 15, 2013

## Viscose fiber industry cost curve

## Lenzing placed in an excellent position*

Index 100 = Lenzing**
Other Chinese competitors


## DWP industry - cash cost curve*

## A lot of new capacity added on the right side of the curve

## Cost Competitiveness ${ }^{1}$

USD/ton


* Cash cost (excl. freight, interest, taxes)

1) Incl. projects until 2015

LENZING
69 LEADING FIBER INNOVATION

## Fiber market environment

## Highest-stock-to-use-ratio ever at approx. 73\%

■ World cotton production of 26.3 mn tons, consumption of 23.3 mn tons and ending stocks of 17.0 mn tons

- Massive increase of Chinese national cotton reserve of estimated 8 mn tons (around 50\% of world inventories)
80
180





## Viscose spot prices China trending down since September

## Stock-to-use-ratio on a high level > 70\%

VSF spot China and cotton price development (in cents/lbs)


Cotton A Index Cotton Future ${ }^{1}$ _——VF Spot

1) Cotton Future calculated on the basis of the most liquid next future compared with the actual Cotton $A$ Index data

## Lenzing Viscose ${ }^{\circledR}$ textile prices compared to cotton price development VSF-price lower than cotton price after end of reporting period

- Even with a $20 \%$ reduction in cotton prices and an inventory level of 70\%, there was no return to historic cotton prices of < 70 cents/lbs in 2012

EUR/kg


## Contacts and financial calendar

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Fax: +4376729184032
E-Mail: s.kniep@lenzing.com

- Financial calendar

Financial calendar 2013

| Full year results | March 22, 2013 |
| :--- | ---: |
| 69th Annual General Meeting | April 24, 2013 |
| Results 1st quarter | May 8, 2013 |
| Half year results | August 21, 2013 |
| Capital Markets Day | September 19, 2013 |
| Results 3rd quarter | November 14, 2013 |

$\Rightarrow$ Visit our IR website: http://www.lenzing.com/en/concern/investor-center.html
$\Rightarrow$ Visit our sustainability site http://www.lenzing.com/en/concern/lenzing-group/sustainability.html

