



Innovative by nature

2022 ANNUAL PROGRESS REPORT FOR

LENZING

OIA

CLIMATE  
ACTION  
CORPS

AS A MEMBER OF THE OIA CLIMATE ACTION CORPS, OUR COMPANY COMMITS TO



**MEASURE**  
our entire  
GHG footprint



**PLAN**  
by setting  
targets



**REDUCE**  
emissions  
over time



**SHARE**  
progress publicly each  
year through this annual  
progress report

## WHAT IS THE OIA CLIMATE ACTION CORPS?

Climate Action Corps is the outdoor industry's collaborative model to lead on climate action to reduce industry-wide greenhouse gas (GHG) emissions in line with science. To learn more, visit [outdoorindustry.org/climateaction](https://outdoorindustry.org/climateaction).

**OUTDOOR  
INDUSTRY**  
ASSOCIATION



# MEASURE.

## MEASUREMENT OF SCOPE 1 AND SCOPE 2 EMISSIONS:

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- ☒ Completed
- ☐ In progress
- ☐ Initial estimate
- ☐ Not yet started

## MEASUREMENT OF SCOPE 3 EMISSIONS:

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- ☒ Completed
- ☐ In progress
- ☐ Initial estimate
- ☐ Not yet started

## REGARDING VERIFICATION OF OUR COMPANY'S GHG EMISSIONS MEASUREMENT:

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- ☒ Were verified by an independent party
- ☐ Will be verified by an independent party
- ☐ Are considering verification
- ☐ Are not considering verification







# PLAN.

## QUANTITATIVE REDUCTION TARGETS SET FOR SCOPE 1 AND SCOPE 2 EMISSIONS:

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- ☒ Completed
- ☐ In progress
- ☐ Not yet started

## QUANTITATIVE REDUCTION TARGETS SET FOR SCOPE 3 EMISSIONS:

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- ☒ Completed
- ☐ In progress
- ☐ Not yet started





# REDUCE.

## REDUCTION STRATEGY FOR SCOPE 1 AND SCOPE 2 EMISSIONS:

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- ☒ Completed and taking actions
- ☐ In progress and building a strategy
- ☐ Not yet started

## REDUCING SCOPE 2 EMISSIONS THROUGH RENEWABLE ELECTRICITY FOR OUR U.S. OWNED/OPERATED LOCATIONS:

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- ☒ Sourcing 100% renewable electricity
- ☐ Sourcing some renewable electricity (more than the local grid mix)
- ☐ Not sourcing any renewable electricity (only what is in the local grid mix)
- ☐ Not applicable — do not own/operate locations in the U.S.

## REDUCING SCOPE 2 EMISSIONS THROUGH RENEWABLE ELECTRICITY FOR OUR GLOBALLY OWNED/OPERATED LOCATIONS:

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- ☐ Sourcing 100% renewable electricity
- ☒ Sourcing some renewable electricity (more than the local grid mix)
- ☐ Not sourcing any renewable electricity (only what is in the local grid mix)
- ☐ Not applicable — do not own/operate locations outside the U.S.

## REGARDING OUR REDUCTION STRATEGY FOR SCOPE 1 AND SCOPE 2 EMISSIONS, WE ARE TAKING (OR HAVE TAKEN) THE FOLLOWING ACTIONS:

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- ☒ Improved energy efficiency at our owned/operated facilities
- ☒ Produced or procured renewable electricity (and/or renewable energy credits) for our owned/operated facilities
- ☐ Reduced fuel consumption of company-owned vehicles by choosing electric vehicles or other alternatives
- ☒ Reduced onsite use of fuels through electrification or other energy sources for our owned/operated facilities
- ☒ Procured renewable fuels (e.g. biogas) for onsite use at our owned/operated facilities
- ☐ Adopted the use of refrigerants with low Global Warming Potential (GWP) at our owned/operated facilities
- ☐ None (we have not taken actions yet)
- ☐ Other (please specify)



# REDUCE.

## REDUCTION STRATEGY FOR SCOPE 3 EMISSIONS:

- ☒ Completed and taking actions
- ☐ In progress and building a strategy
- ☐ Not yet started

## REGARDING OUR REDUCTION STRATEGY FOR SCOPE 3 EMISSIONS, WE ARE TAKING (OR HAVE TAKEN) THE FOLLOWING ACTIONS:

- ☒ Engaged with our suppliers about energy efficiency
- ☒ Engaged with our suppliers about renewable energy
- ☐ Engaged with our suppliers about cleaner thermal processes (e.g. electrification, biomass)
- ☒ Engaged with our suppliers about measuring their GHG emissions
- ☒ Changed our company's products and materials to alternatives with lower-GHG footprint
- ☐ Designed our products to be more energy efficient during use
- ☐ Implemented company policies to reduce impacts of business travel
- ☐ Reduced packaging and/or changed our packaging to alternatives with lower-GHG footprint
- ☒ Reduced impacts of inbound distribution (transportation modes, logistics, packing density)
- ☒ Reduced impacts of outbound distribution (transportation modes, logistics, packing density)
- ☐ None (we have not taken actions yet)
- ☒ Other (please specify)

Offering products which avoid energy intensive in downstream manufacturing TENCEL™ Luxe, TENCEL™Modal x Eco Color technology, TENCEL™ Modal x Indigo Color technology.

## REGARDING OUR REDUCTION STRATEGY FOR SCOPE 3 EMISSIONS, WE ARE TAKING (OR HAVE TAKEN) THE FOLLOWING ACTIONS ON LOW-CARBON MATERIALS (MEASURED IN TOTAL MATERIALS VOLUME BY SPEND):

- ☐ Commitment to source low-carbon materials for more than 50% of total materials
- ☒ Commitment to source low-carbon materials for less than 50% of total materials
- ☐ No commitment to source low-carbon materials



# REDUCE.

## REGARDING OUR REDUCTION STRATEGY FOR SCOPE 3 EMISSIONS, WE ARE ENGAGING TIER 1 AND TIER 2 SUPPLIERS TO MEASURE FACILITY-LEVEL GHG EMISSIONS, SET TARGETS, AND/OR BUILD ACTION PLANS:

	0%	1-25%	26-50%	51-75%	76-100%
Tier 1 Suppliers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tier 2 Suppliers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## REGARDING OUR REDUCTION STRATEGY FOR SCOPE 3 EMISSIONS, WE ARE ENGAGING TIER 1 AND TIER 2 SUPPLIERS TO IMPLEMENT DECARBONIZATION ACTIONS (E.G., ENERGY EFFICIENCY IMPROVEMENTS, RENEWABLE ENERGY):

	0%	1-25%	26-50%	51-75%	76-100%
Tier 1 Suppliers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tier 2 Suppliers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## REGARDING OUR REDUCTION STRATEGY FOR SCOPE 3 EMISSIONS, WE ARE TAKING (OR HAVE TAKEN) THE FOLLOWING ACTIONS TO DECOUPLE BUSINESS GROWTH FROM RESOURCE CONSUMPTION AND EMISSIONS:

- ☐ Designing products for repair-ability and offering repair services
- ☐ Buying back and re-selling (or facilitating the resale of) used products
- ☐ Offering product leasing/renting or subscription programs
- ☐ None (we have not taken actions yet)
- ☒ Other (please specify)

Offering fibers/products that are certified as carbon neutral and also offering fibers/products with recycled content.  
Expansion of operations only with renewable energy.





# REMOVE.

## REGARDING CARBON (CLIMATE) NEUTRALITY, OUR COMPANY:

- ☐ Purchases carbon offsets to achieve carbon (climate) neutrality for scope 1 and scope 2
- ☐ Purchases carbon offsets to achieve carbon (climate) neutrality for scope 3
- ☒ Directly invests in carbon removal or sequestration
- ☐ Is Climate Neutral Certified
- ☐ Purchases some carbon offsets, but not carbon (climate) neutral
- ☐ Does not purchase carbon offsets
- ☒ Other

We only use external carbon removal projects to compensate for yet unavoidable emissions of a small portfolio of carbon-neutral certified fibers.

## REGARDING NATURE-BASED CARBON REMOVALS FOR REMAINING GREENHOUSE GAS EMISSIONS, OUR COMPANY:

- ☒ Has a commitment to invest in nature-based carbon removal or offset programs to compensate for remaining GHG emissions
- ☐ Is planning to make a commitment to invest in nature-based carbon removal or offset programs to compensate for remaining GHG emissions
- ☐ Has not yet considered a commitment to invest in nature-based carbon removal or offset programs to compensate for remaining GHG emissions





# ADVOCATE + ENGAGE.

## ADVOCACY ACTIONS WE HAVE TAKEN:

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- ☒ Endorsed a climate solutions campaign or sign-on letter
- ☐ Corresponded directly with U.S. Congress and administration officials
- ☐ Participated in a government meeting (e.g. OIA's virtual or in-person D.C. fly-in events)
- ☐ Provided customers with opportunities to advocate
- ☒ Supported advocacy groups through donations or membership
- ☐ No advocacy actions taken yet
- ☐ Other

## ENGAGEMENT ACTIONS WE HAVE TAKEN:

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- ☒ Empowered consumers to take action on climate
- ☐ Recognized and rewarded climate leading actions with our vendors
- ☒ Participated in collaborative industry programs to reduce GHG emissions in the supply chain
- ☐ No engagement actions taken yet
- ☐ Other







# SHARE.

## REGARDING PUBLIC DISCLOSURE, OUR COMPANY HAS MADE THE FOLLOWING PUBLICLY AVAILABLE (OPTIONAL):

- Company GHG measurement
- Company reduction targets
- Company reduction strategy
- Company progress against targets
- Company quantified reduction achievements

## LINKS TO PUBLICLY AVAILABLE INFORMATION (OPTIONAL):

<https://reports.lenzing.com/sustainability-report/2022/>

<https://www.lenzing.com/newsroom/press-releases/press-release/lenzing-recognized-for-the-second-year-in-a-row-as-global-sustainable-leader-with-triple-a-score-by-cdp>

[https://www.lenzing.com/fileadmin/content/PDF/04\\_Nachhaltigkeit/Praesentationen/lenzing-climate-action-plan.pdf](https://www.lenzing.com/fileadmin/content/PDF/04_Nachhaltigkeit/Praesentationen/lenzing-climate-action-plan.pdf)

## OUR COMPANY'S MOST RECENT QUANTIFIED GHG MEASUREMENT (FOOTPRINT, IN tCO<sub>2</sub>e) (OPTIONAL):

Scope 1 emissions:  
920,000 tCO<sub>2</sub>e

Scope 2 emissions:  
350,000 tCO<sub>2</sub>e

Scope 3 emissions:  
1,450,000 tCO<sub>2</sub>e

## THE REPORTING YEAR FOR OUR COMPANY'S MOST RECENT GHG MEASUREMENT (OPTIONAL):

FROM

Date

01/01/2022

TO

Date

12/31/2022



# SHARE.

## OUR COMPANY'S QUANTITATIVE GHG REDUCTION TARGETS ARE (OPTIONAL):

- 1) 50% reduction by 2030, intensity based, scope 1, 2, and 3.
- 2) Net-zero carbon emissions by 2050 (scope 1, 2, and 3).

## OUR COMPANY CAN DEMONSTRATE MEASURABLE REDUCTIONS IN EMISSIONS OVER A SPECIFIED TIME PERIOD:

- ☐ Not yet  
☒ Yes

Absolute reduction in 2022 from 2017: ~26% (-0.95 mio. tCO<sub>2</sub>eq)  
Specific reduction in 2022 from 2017: ~18% (-0.61 tCO<sub>2</sub>eq per t of product sold)

## OUR COMPANY'S DESCRIPTION OF ANY PROGRESS TOWARDS QUANTITATIVE GHG REDUCTION TARGETS (OPTIONAL):

1. As part of Lenzing's intensive effort to reduce our carbon impact, for the first time carbon neutral VEOCEL™ branded lyocell fibers will be offered from our U.S. specialty production site, located in Mobile, Alabama.
2. Largest ground-mounted photovoltaic system in Upper Austria became operational. Annual electricity production will amount to 6,000,000 kWh, which is expected to cut CO<sub>2</sub> emissions by some 4,400 tonnes per year.
3. Lenzing Nanjing Fibers to use electricity derived solely from renewable sources from 2023 onwards and reduce the site's carbon emissions by 100,000 tonnes annually.
4. Lenzing Indonesian subsidiary PT. South Pacific Viscose (SPV) began in July 2022 using electricity generated solely from renewable sources which will reduce its specific carbon emissions by 75,000 tonnes annually.

## ADDITIONAL DETAILS ABOUT OUR COMPANY'S EFFORTS TO ADDRESS CLIMATE CHANGE (OPTIONAL):

In 2022 we successfully commissioned our facility in Brazil where we will be able to provide the pulp required for the production of our fibers. We can feed a considerable portion of surplus energy into the public grid and operate it on a carbon-neutral basis. We also successfully launched the world's largest lyocell fiber production plant opened in Prachinburi (Thailand), a carbon-neutral site.

**TO ACCESS ALL CLIMATE ACTION CORPS MEMBERS' INDIVIDUAL REPORTS AND OUR COLLECTIVE IMPACT REPORT, PLEASE VISIT: [OUTDOORINDUSTRY.ORG/CLIMATEACTION](https://outdoorindustry.org/climateaction)**