



**RETHINK
SUSTAINABILITY**

SUSTAINABLE ADHESIVES FOR CONSUMER GOODS

Henkel

WHO WE ARE – LEADING POSITIONS IN INDUSTRIAL & CONSUMER BUSINESSES



ADHESIVE TECHNOLOGIES



CONSUMER BRANDS

LOCTITE **TECHNOMELT** **BONDERITE**

Schwarzkopf

Persil

syoss

all

 **RETHINK
SUSTAINABILITY**

Henkel

PIONEERS AT HEART FOR **THE GOOD OF GENERATIONS**

HENKELS'
CORPORATE
SUSTAINABILITY
APPROACH

**Regenerative
PLANET**



**Thriving
COMMUNITIES**



**Trusted
PARTNER**



HOW
WE DRIVE
IMPACT

Leading by
EXAMPLE

SUSTAINABLE
OPERATIONS

SUSTAINABLE
MATERIALS

Leading through
TECHNOLOGY

ENABLING
SUSTAINABILITY

TRANSPARENCY

OUR PROMISES FOR 2030

Leading by **EXAMPLE**

We will be the first global adhesives player with **climate positive operations**

We will offer **net-zero or low emission products** to all our customers

Leading through **TECHNOLOGY**

We will offer every customer solutions and services that **enable emission reduction and circularity**

We will deliver **100% end-to-end transparency** on the sustainability of all our products according to leading standards

BIG AMBITIONS FOR 2030

**<1 DECADE
2500 DAYS**

Let's think about it...

It is around the corner. There is no time to waste, but we have already started...

WHERE WE DRIVE IMPACT THROUGH ADHESIVES IN CONSUMER GOODS



CLIMATE



CO2 EMISSIONS

WATER

ENERGY



CIRCULARITY



DEBONDING

**RECYCLING
COMPATIBILITY**



DESIGN



**ELIMINATING
SINGLE USE
PLASTIC**



SAFETY



SOI REDUCTION

FOOD CONTACT



CLIMATE CHALLENGE

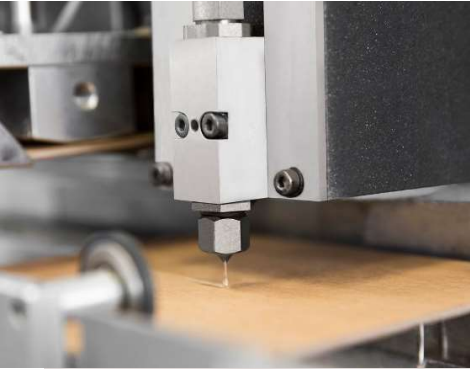
- reducing CO2 emissions
- shifting to renewable resources
- managing water & energy footprint

***THIS IS WHERE
WE DO MORE
WITH LESS***

Because resources are scarce.
We need to move away from taking more than we can replenish. We need to deliver better performing solutions at lower environmental impact.



PAPER PACKAGING: TECHNOMELT SUPRA ECO



THE CHALLENGE

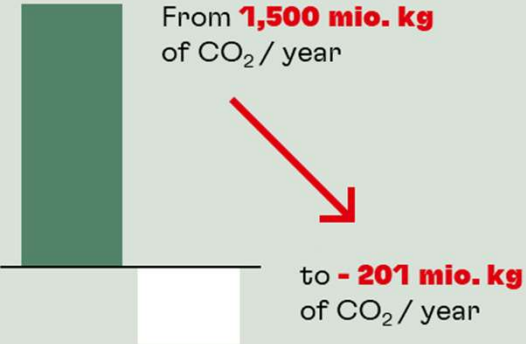
300,000 MIO. BOXES

are sealed per year with

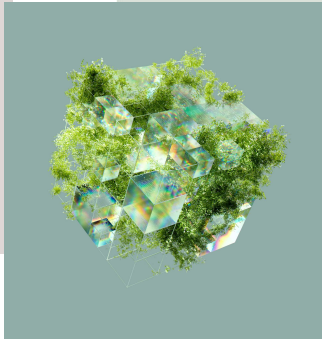
500,000 TONS HOTMELT

per year

THE ANSWER



Assumed volume: 500,00 tons/ year
 1 Source: U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator | US EPA#



THE APPROACH



52%

MASS BALANCE BIO-BASED



29%

DIRECT BIO-BASED

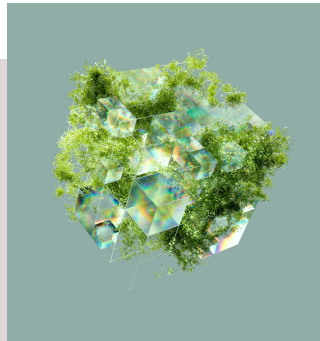


TISSUE CONVERTING: AQUENCE ECO

THE CHALLENGE

Tissue products are mainly based on

RENEWABLE
materials now moving to more
RECYCLED pulp
... still, adhesives used are
FOSSIL BASED



THE ANSWER



leverage unique properties of bio-based raw materials to max. renewable carbon content



reducing CO2 emissions to new low



improving work safety through elimination of synthetic preservatives



delivering highest dilution rates to min. total product footprint

THE APPROACH



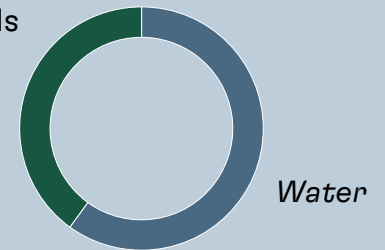
>95% Bio-based dry content



formulated as a concentrate

Fossil free

raw materials



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COLLABORATION IS KEY

HIGH INDUSTRY COMMITMENT TO ADDRESS SCOPE 3 REDUCTION CHALLENGE



Willingness to act



Strong E2E
collaboration partnerships



Understanding of
materials, properties
and value chains



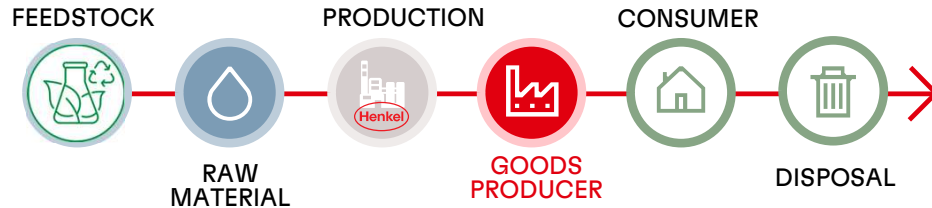
Holistic product design for
sustainability to close the loop



ACCELERATE THROUGH PARTNERSHIPS

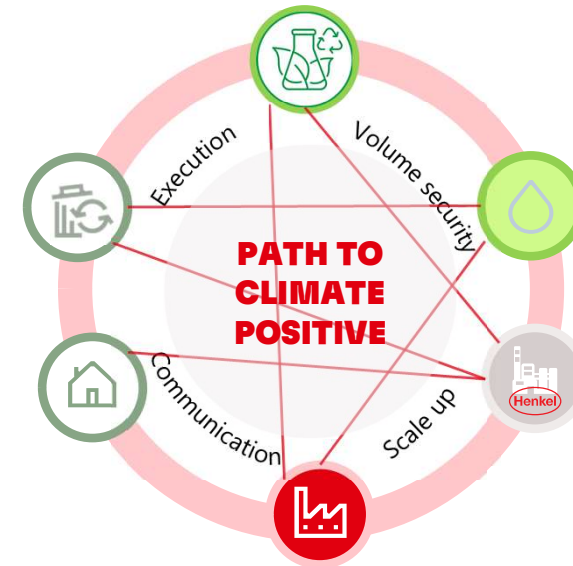
Consumers and Regulators Expect Action

From Transaction ..



- Too little material available
- Cost prohibiting factor
- Limited progress forward

.. To Collaboration



- Provide transparency
- Accelerate volume scale up
- Co-invest to drive cost down faster

THANK YOU

LET'S RETHINK SUSTAINABILITY. AND TAKE ACTION, TOGETHER

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Strategy

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