

SUSTAINABILITY WITH SCHUR FLEXIBLES



THE 5R APPROACH SCHUR FLEXIBLES' FIVE PILLARS OF SUSTAINABILITY

We are particularly proud that we are the sustainability winner 2018 of the GERMAN PACKAGING AWARD for **FlexiClose®**.

PACKAGING NEEDS TO FULFIL A WIDE RANGE OF REQUIREMENTS

Protect and preserve: It should protect the product against damage, dirt, light and oxygen. It should allow products to be transported and stored in safety. Good protection reduces food wastage.

Attract and sell: Packaging needs to be attractive to consumers and provide important information on product usage, ingredients, shelf life and disposal of packaging.

Innovate and safeguard: Technical innovation with focus on sustainability means that packaging material can be reduced, recycled or replaced by materials made of renewable resources. It involves taking responsibility for the future of our planet to find renewable resources and making the necessary changes throughout the packaging life cycle.

Recycling

Through recycling we can get the most out of the raw materials invested into the production of packaging films. We are contributing to this with products such as our ready for recycling **PE-based skin- and shrink films** or **PE & OPP flow wrap**. Our **PP-based rigid films** and the matching, new range of innovative **OPP lidding films** feature all typical options such as good peel or reliable reclose. For mono A-PET trays we offer suitable **mono PET lidding films**, optional with Peel and AF. Additionally, we have invested in new developments such as recyclable high barrier **PE shrink bags** and **PP flexible film**.

Increasing research into and usage of flexible mono and polyolefin materials have led to important advances in the field of recycling and support a circular economy. Recycling multi-material films results in heterogeneous materials that are more difficult to reuse for the manufacture of new products. For this reason our R&D department is focused on accelerating the development of recyclable products without compromising on the other important functions that packaging needs to perform: preserving and protecting products and optimising shelf life.

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**OUR 5R APPROACH
ENABLES A 360-DEGREE
VIEW OF
SUSTAINABILITY.**

PACKAGING REQUIREMENTS:
PROTECT AND PRESERVE » ATTRACT AND SELL » INNOVATE AND SAFEGUARD

← RENEWAL KEEPS A BALANCE
IN OUR PLANET'S ECOSYSTEMS

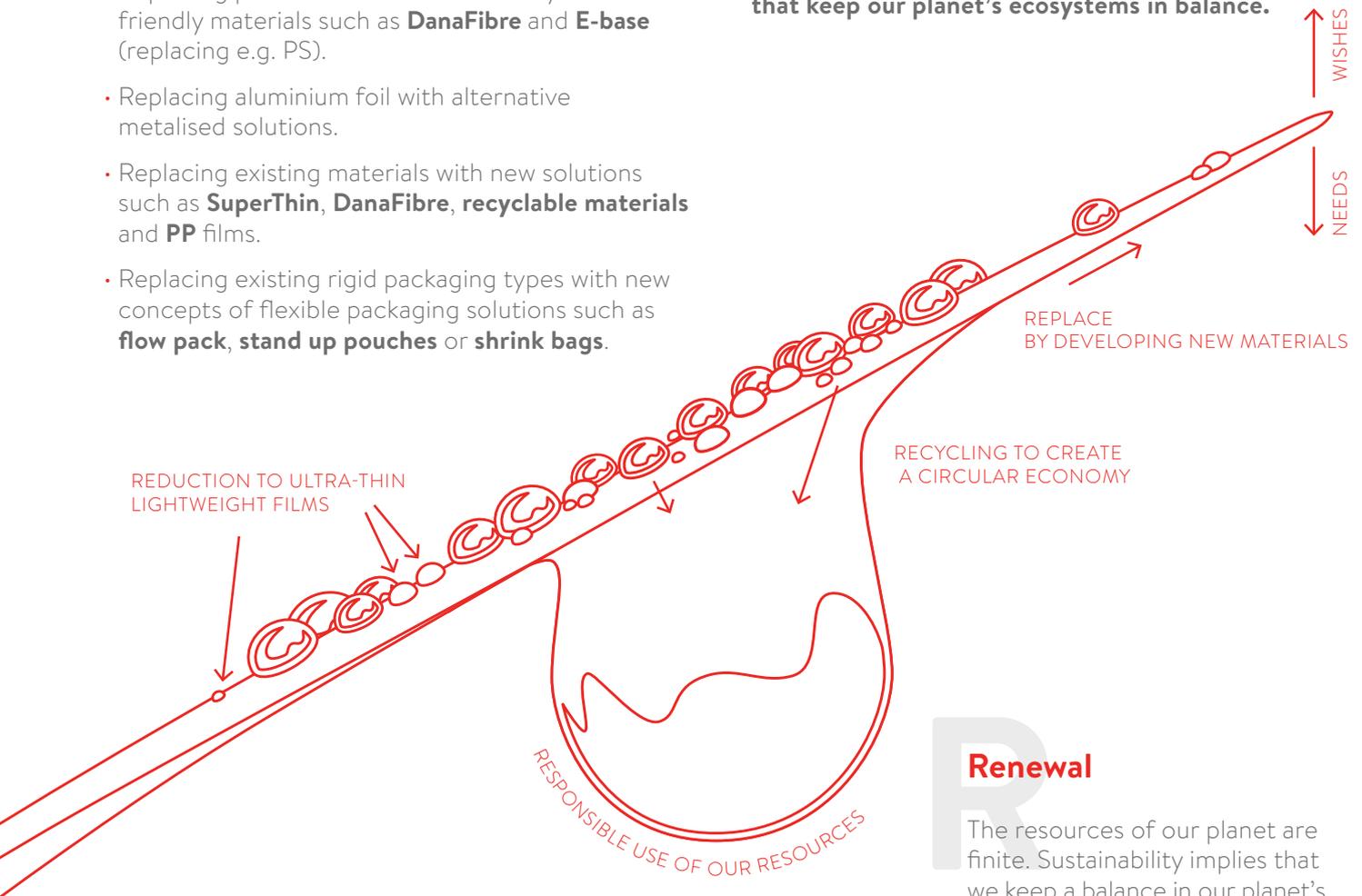
Replace

Underpinning the other pillars of our 5R sustainability policy is our pledge to replace all non-sustainable materials with more sustainable ones.

This includes:

- Replacing plastics with environmentally friendly materials such as **DanaFibre** and **E-base** (replacing e.g. PS).
- Replacing aluminium foil with alternative metalised solutions.
- Replacing existing materials with new solutions such as **SuperThin**, **DanaFibre**, **recyclable materials** and **PP** films.
- Replacing existing rigid packaging types with new concepts of flexible packaging solutions such as **flow pack**, **stand up pouches** or **shrink bags**.

At Schur Flexibles, sustainability means investing in continuous development to find solutions that keep our planet's ecosystems in balance.



Reduction

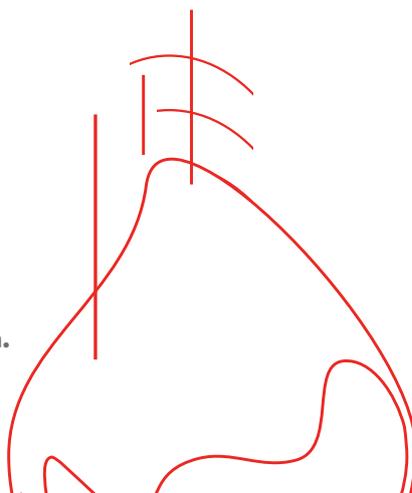
The best way to reduce waste is not to produce any. Therefore we try to develop the thinnest possible structures for our films, always making sure that product safety is not jeopardised. We currently hold the title of **the world's thinnest laminate films (SuperThin)** and are among the best with **BarrierTop X 35**, **VACUshrink FM 40** or **VACUshrink CP55HT**.

Our **ultra-thin lightweight films** require less material. This ensures less storage space which in turn leads to fewer transport loads. It enables more efficient use of fuel, electricity and water, resulting again in less raw material being used and a lowering of CO₂ emissions.

At Schur Flexibles we are striving to reduce the carbon footprint to a minimum.

Renewal

The resources of our planet are finite. Sustainability implies that we keep a balance in our planet's ecosystems – we allow them to regenerate at the same or a higher rate than the rate at which we remove materials from that system. Therefore, we need to focus on raw materials that do not exploit our planet. One example of this is **using FSC-certified paper**. Furthermore, when Schur Flexibles developed products such as **DanaFibre** we replaced fossil raw materials with renewable ones. Constant R&D has allowed us to keep innovating in this field. Our renewable portfolio now includes **paper packaging, waxed paper, DanaFibre, PE from renewable resources** (bioethanol) and **starch based biologically degradable films**.



Responsibility

There are certain non-ecological elements in the flexibles packaging production that, as yet, cannot be avoided. Our R&D representatives are hard at work to find solutions as quickly as possible. Beyond this, every Schur Flexibles employee is committed to the responsible use of our resources, starting with light and heating in offices and moving on to the use of raw materials and waste reduction in production.

The UN Brundtland Commission defined sustainability as follows: “Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

At Schur Flexibles we act in accordance with this holistic vision of sustainability:

In society we assume responsibility for our employees, our customers and for society as a whole. We cooperate with social initiatives, scientific institutions, universities, municipalities, authorities and government organisations. We respect human rights and condemn child labour.

In the environment we strive to permanently reduce our material consumption and optimise our production processes. We will accelerate the use of recycled raw materials as much as possible. We will optimise existing and implement new processes in order to reduce both waste and energy consumption.

In business we strive to establish long-term, sustainable partnerships with our customers and suppliers. We support the use of innovative new raw materials, intelligent technologies and sustainable equipment.

SUPPORTING OUR CUSTOMERS – THE IMPORTANCE OF R&D

We work hand in hand with our customers to develop concepts that will help their business and the environment according to recognised guidelines and standards. By 2030 clear EU-wide targets for a circular economy and a reduction of waste will have come into effect.

This includes:

- A common EU target for recycling 70 % of packaging waste
- Incentives for producers to put greener products on the market and support recovery and recycling schemes

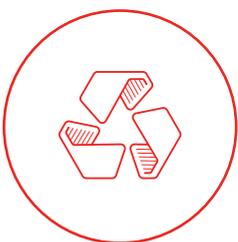


Together with our customers and our state-of-the-art research centres in Finland, Germany and Denmark we continuously work to achieve greater sustainability and ensure that all EU targets are met by 2025. We offer our customers collaborative processes, advice and research to address their challenges every step of the way.

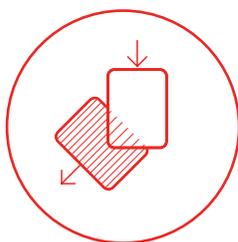
One example of this is our PackScience Center in Kempten, Germany, where customers are invited to participate in the development process. We provide the opportunity of hands-on collaboration to solve future challenges. Packages can be designed and tested; packaging processes simulated and optimised. Additional services that we offer include the manufacturing of mock-ups, tool design, laboratory analyses and specialised training workshops.

Sustainability concerns us all and at Schur Flexibles we will do everything in our power to support our customers and safeguard our planet.

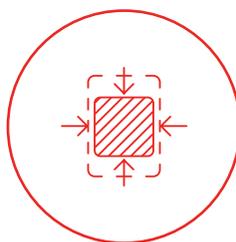
OUR 5R APPROACH AT A GLANCE:



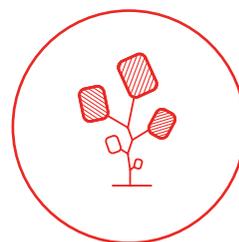
Recycling



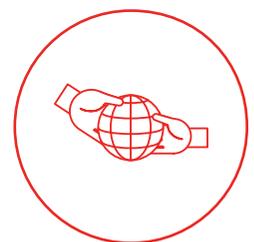
Replace



Reduction

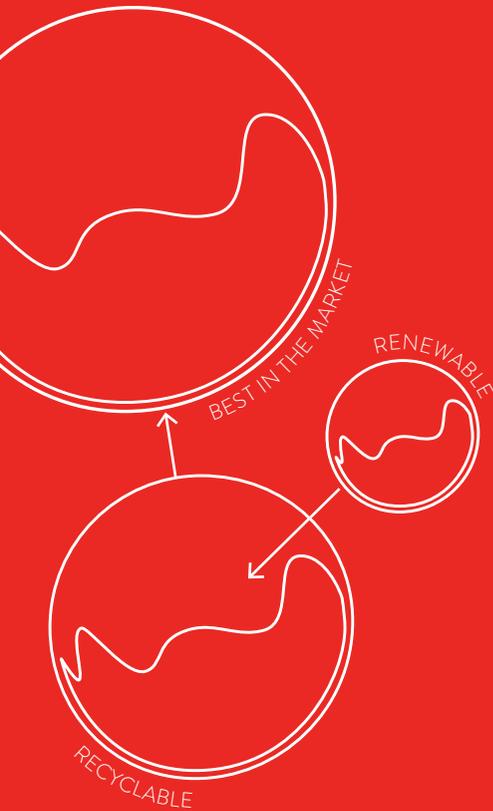


Renewal



Responsibility

SUSTAINABILITY: SAFEGUARDING THE FUTURE



Sustainable packaging saves food and resources

On the journey from field to store shelves to consumers' homes, products undergo manufacturing and transportation processes that use a wide range of environmental resources. Packaging only accounts for around 3% of these resources, but packaging can make all the difference to ensuring that the other 97% are not wasted.

At Schur Flexibles we understand that responsible and sustainable packaging guarantees a product's integrity and extends shelf life. Food that stays fresh longer leads to a reduction in food waste, which in turn reduces wastage of all the other resources that went into making the final product. Pharmaceutical products need packaging that protects them to remain intact for as long as possible, thus also leading to a reduction in waste.

Product sustainability is enhanced by the development of packaging that uses less material while still providing the protective barriers that maintain product quality. Our films and packaging solutions are designed to provide maximum protection and ensure minimal environmental impact.

**YOUR SUSTAINABILITY
– OUR SOLUTIONS**

Sustainable solutions from one source

With our comprehensive range of packaging perfectly tailored to individual requirements, we offer our customers the convenience of complete solutions from a single provider. Naturally, this also includes our support in all aspects of sustainability. We are at your side to advise, develop concepts and implement processes. Through our **rethink** initiative we work hand in hand with our clients to analyse their portfolio and make it more sustainable.

Our sustainability strategy

We are striving to overachieve the EU sustainability goals by reducing the environmental impact of all aspects of flexible packaging from producer to retailer to consumer.

By **2025** the vast majority of our products will be

- **recyclable**,
- made from **renewable** resources or
- the **best in the market** in raw material consumption.

Our sustainability values

We take our environmental responsibility seriously. Our commitment is underlined by our membership of two important initiatives:

SAVE FOOD and **CEFLEX**.

ABOUT SCHUR FLEXIBLES

The Schur Flexibles Group is specialised in innovative, premium high-barrier packaging solutions for the food, tobacco and pharmaceutical industries with numerous production sites in Europe. With its integrated value chain, from extrusion through to printing and laminating and on to full-line bag and pouch production, the group ranks among the industry's leading companies in flexible packaging in Europe.

OUR MISSION

We are glad to go the extra mile in order to find and to take new approaches in the packaging industry. We all help to achieve this challenging mission and strive to consequently meet our customers' demands while also becoming a technological leader. Our international, multifaceted orientation, supported by continuous learning, help us to achieve this.

Schur Flexibles employees stand out for their passionate, pioneering and entrepreneurial spirit as well as for their extensive accountability. They are able to identify and take opportunities, geared to market requirements – for the benefit of our customers and thus ultimately also to the benefit of our company.

CEFLEX is the collaborative initiative of a European consortium of companies representing the entire value chain of flexible packaging. Currently, recycling guidelines and processes, as well as a post-consumer recycling infrastructure are being developed across Europe.



SAVE FOOD is an initiative that aims to drive innovation and generate solutions to stop the waste of food. One third of all food is either wasted or lost – an amount that would meet global food needs. SAVE FOOD promotes dialogue and debate with all elements of the food value chain. We aim to change attitudes and raise awareness of sustainable thinking.



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