

**SCHÜTZ**

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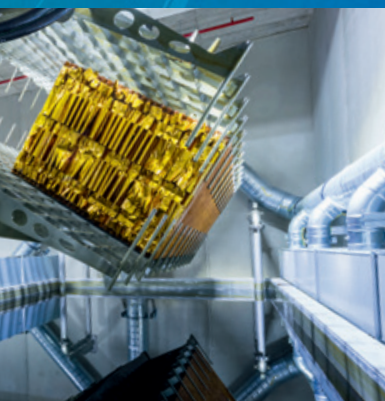
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Editor: Schütz GmbH & Co. KGaA  
 Schützstraße 12, D-56242 Selters  
 Phone: +49 2626 77 0, E-mail: info1@schuetz.net  
 www.schuetz.net

Editorial office: Schütz Corporate Marketing (Veit Enders, Melanie Ievoli)

Text: additiv pr GmbH & Co. KG (Marius Schenkelberg), www.additiv-pr.de  
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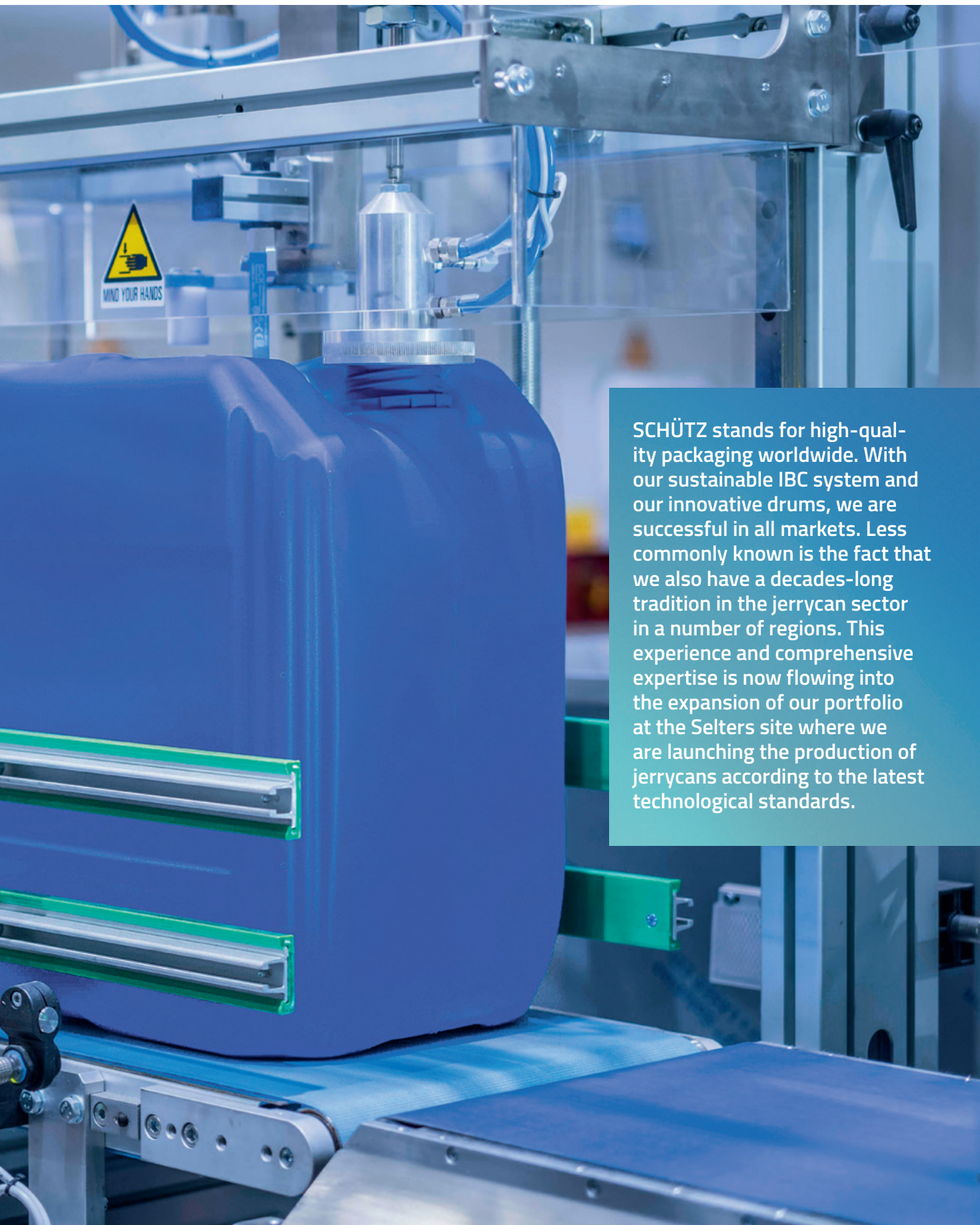
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# SC1

## JERRYCANS –

PRODUCTION STARTS  
ON THE LATEST SCHÜTZ  
SOLUTION **FOR SMALL  
FILLING QUANTITIES**





SCHÜTZ stands for high-quality packaging worldwide. With our sustainable IBC system and our innovative drums, we are successful in all markets. Less commonly known is the fact that we also have a decades-long tradition in the jerrycan sector in a number of regions. This experience and comprehensive expertise is now flowing into the expansion of our portfolio at the Selters site where we are launching the production of jerrycans according to the latest technological standards.



5l



10l



15l



20l



25l



30l

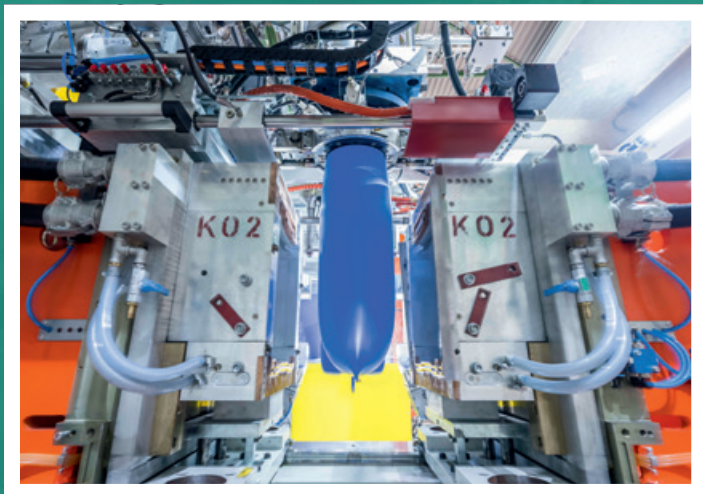
# SCHÜTZ GREEN LAYER



In the first quarter of 2024, at our main factory we will be starting production of a series of jerrycans that were developed in-house. In collaboration with our experts in process engineering, design, mechanical engineering and toolmaking, we developed and installed state-of-the-art production facilities and a fully automated packaging line. The new SC1 jerrycan series expands our existing product portfolio by adding new storage and transport solutions for small filling quantities. The new systems cover the standard canister sizes of 5 l, 10 l, 15 l, 20 l, 25 l and 30 l. For maximum production efficiency and product quality, we manufacture our jerrycans on high-performance blow moulding systems which can produce jerrycans on several moulds simultaneously.

## Made with eco-friendly recycle

Just like our successful IBC and plastic drum product series, our new PE jerrycans are also available in the optional GREEN LAYER version. The production method using a 3-layer process allows us to incorporate different materials into the jerrycan wall. Applications for this range include a conductive or antistatic outer layer for use in EX zones, a natural, unpigmented inner layer or extruding the middle jerrycan layer using SCHÜTZ's own high-quality GREEN LAYER recycle.



SCHÜTZ is committed to serving the rapidly growing demand for packaging with a high proportion of recycled plastic as well as proving that a sustainable circular economy does not have to be at the expense of quality and application safety. In order to fulfil this commitment, the SCHÜTZ TICKET SERVICE collects used packaging directly from the emptier in a worldwide programme and reconditions it using environmentally friendly technology. The plastic material produced during this process is shredded and pre-graded. To handle the complex subsequent cleaning and regranulation process, the Selters site recently invested in a new recycling centre equipped with state-of-the-art environmental technology. The high-quality recycle obtained in this way is used as a middle layer in our IBC inner bottles, plastic drums and now also in our new jerrycans.

The plastic container in our GREEN LAYER products consists of 30% recycled HDPE. Although our recycle meets the highest requirements in terms of colour and odour neutrality, by using recycle only for the middle layer, we ensure that the environment and the filling product only come into contact with new material. This provides maximum safety and quality as well as making a significant contribution to resource conservation and carbon reduction.



## Maximum product and transport safety guaranteed

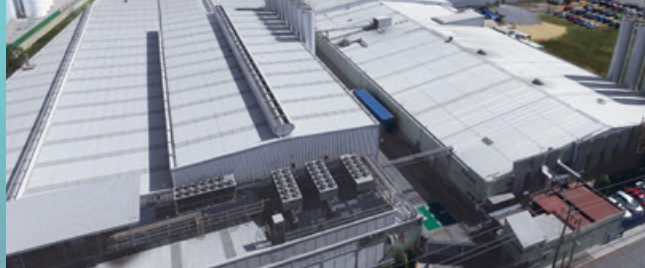
SCHÜTZ jerrycans are light, stable and easy to use: they have a modern design that makes them easy to handle, stack and empty to the last drop. The flattened corners around the cap also help to ensure these properties. The jerrycans have a high degree of dimensional stability and strong crush resistance when full and stacked. The ring on the top is perfectly aligned with the geometry of the base to create a form-fitting bond when stacked which provides excellent grip and protects against slipping. Our PE jerrycans are designed to be used with different pallet types.

The packaging offers maximum user-friendliness. The anatomically shaped handle with a large hand recess and small recess for the handle in the base ensures comfortable and safe handling when carrying and emptying – even when wearing gloves.

GEM PLASTICS – IRELAND



SCHÜTZ ELSA – MEXICO





In future, all sizes will be available with Y1.9 approval as standard or optionally with X1.9 approval in various weight levels. The necessary UN approval tests are conducted by the renowned German testing institute BAM (Federal Institute for Materials Testing). This enables us to guarantee the superior product and transport safety which SCHÜTZ customers expect. The PE jerrycans are available in several colours. Depending on the container size, we offer DN 45, DN 55 and DN 60 caps in various configurations.



## International production of SCHÜTZ jerrycans

**W**ith the opening of the new production facility in Selters and the acquisition of GEM Plastics Ireland in 2021 – an established manufacturer of PE jerrycans and drums in England and Ireland – we have laid the foundation for our European production network in this segment.

We have been producing high-quality jerrycans for the North and South American market at our SCHÜTZ ELSA site in Mexico and SCHÜTZ VASITEX site in Brazil for many years. We recently invested in a

new blow-moulding system for 20-litre jerrycans at our site in Mexico. The jerrycans produced there offer low weight, high stability and a smart design.





From the left: Veit Enders (Member of the Executive Board SCHÜTZ), Regina Klein (Vice President Digital and Business Services, GP, BASF), Udo Schütz (Company Founder and Owner SCHÜTZ), Matthias Dohrn (President Global Procurement, GP, BASF), Alexandra Seeber (Head of Global Packaging Procurement, GP, BASF), Roland Strassburger (CEO SCHÜTZ) and Dagmar Lonien (Head of Communications, GP, BASF).

## Udo Schütz is honoured by BASF with a **Lifetime Achievement Award**

For decades, SCHÜTZ has been supplying BASF with high-quality and sustainable packaging solutions. The chemical company honoured this long-standing, extremely close cooperation by presenting an award to our founder. BASF particularly praised our company's untiring innovative strength and continual supply security.

**B**ASF presents the Lifetime Achievement Award to business partners whose forward-looking solutions strengthen the Group in the long term in the areas sustainability, efficiency and innovation. At the award ceremony, Matthias Dohrn (GP), Head of Global Procurement, emphasised SCHÜTZ's special significance in this respect: **"BASF and SCHÜTZ in Selters in the Westerwald region have collaborated for more than 50 years. Today, the company is one of our most important partners worldwide for high-quality packaging solutions and is receiving the Lifetime Achievement Award for its extraordinary performance in innovation and sustainability."**

Udo Schütz, who received the award in person, expressed his gratitude and explained the central principle of success that has made SCHÜTZ the market leader: "The Lifetime Achievement Award from BASF makes me incredibly proud and I thank BASF for the Group's trust and confidence in my company. A company's strength and performance is always driven by the product. Our determination to develop the best technical solution has played a key role in the success of the entire SCHÜTZ team since the company was founded." However, the innovative strength of our company is not only focussed on the product – it also applies equally to production. SCHÜTZ views product and production expertise as an inseparable



From the left: Matthias Dohrn (GP), Head of Global Procurement BASF and Udo Schütz, Company Founder and Owner SCHÜTZ.

unit, and on this basis we have built up a global production system with 60 sites which have the highest degree of automation. This gives us independence and the ability to respond quickly, which is particularly appreciated by BASF: “Even in times of crisis, the dependable and long-standing partnership between the two companies has stood strong,” says Uwe Lohr (GPI), Head of Global Indirect Procurement. “Working together with the SCHÜTZ plants, BASF has successfully mastered the major challenges in the global supply chains over the last three years.”

**“Our determination to develop the best technical solution has played a key role in the success of the entire SCHÜTZ team since the company was founded.”**

Udo Schütz



## A shared focus on innovation and sustainability

In the early 1970s, the idea for our core product, the SCHÜTZ IBC, emerged from our close collaboration with BASF. This new type of packaging revolutionised the transport of liquid filling products, and became the blueprint for an efficient circular economy through the parallel development of our global collection and reconditioning programme.

This close co-operation has continued in numerous projects since then. For example, in 2020 SCHÜTZ started using special long trucks to transport its daily IBC deliveries to the BASF plant in Ludwigshafen. This enables the two companies to halve the number of trucks on the road while at the same time saving costs, fuel and CO<sub>2</sub> emissions.

**SCHÜTZ GREEN LAYER:  
6.8 kg additional  
CO<sub>2</sub> saving per IBC**



**BASF and SCHÜTZ are currently working together to further increase the proportion of recycled material used in bulk packaging.**

The long and fruitful cooperation between the two companies is the best starting point for strengthening the circular economy in packaging, reducing BASF’s CO<sub>2</sub> footprint and implementing the increasing legal requirements for recycling as cost-effectively as possible,” says Matthias Dohrn.



## Quality at your fingertips: the **SCHÜTZ** trade fair year

After the pandemic, 2023 finally saw a return to in-person trade shows. As well as the Interpack international trade fair, SCHÜTZ also presented its global range of products and services at numerous other shows, of which we outline some of the highlights in the following. One thing applied to all events, including those not listed here: nothing beats personal contact and direct communication with industry experts.



## IFT 2023

### Americas

After the world's key industry get-together at Interpack in Düsseldorf in May, the IFT (Institute of Food Technologists) followed in Chicago in July. The event has set itself the goal of linking science and business and at the same time aims to create a place where solutions can be found for specific questions and complex challenges within global food science. SCHÜTZ North Branch presented our latest packaging solutions, in particular our SCHÜTZ FOODCERT solution, to the audience of experts. **As a SCHÜTZ packaging standard for food safety, the ECOBULK MX FOODCERT is certified according to FSSC 22000 (Food Safety System Certification) and complies with all safety requirements according to HACCP (Hazard Analysis and Critical Control Points).** This means that the material, process and product all meet the requirements for the transport and storage of liquid foods, foodstuffs and concentrates.



## Abrafati Show

At the Abrafati Show in São Paulo, Brazil, the focus was on our extensive drum and ECOBULK portfolio, as well as the packaging innovation of the GREEN LAYER technology for the F1 220 litre drum. **The brand-new product technology stands out with its high recycled content of 30% in the middle of a total of three layers, which generates an additional carbon saving of up to 3.8 kg per drum.** At the fair there was also great interest in permeation protection with an EVOH barrier that is integrated into the inner bottles with our 6-layer extrusion blow-moulding lines, and also in explosion protection. Abrafati is the largest event for the coatings industry in Latin America.



# Pollutec

## Europe

The SCHÜTZ trade fair diary continued in October at Pollutec in Lyon, France, where everything was focused on environmental and waste management. **In keeping with this, SCHÜTZ France focused on the SCHÜTZ TICKET SERVICE, with its free collection and recycling of emptied IBCs.** At the stand, SCHÜTZ France also presented IBCs, drums and jerricans from the GREEN LAYER series. The product demonstration was rounded off by the fireproof ECOBULK SX-D, which attracted significant interest in particular due to its double-walled plastic inner bottle and steel shell; the double protective shell also means double the safety, especially for the transport of highly sensitive filling goods.



# Australia Coating Show

## Pacific

The Australia Coating Show 2023, in conjunction with the 61st annual conference of the Surface Coating Association Australia, was once again a key get-together for manufacturers and suppliers involved in surface coatings such as paints, epoxy coatings, printing inks and adhesives. At the show, held at Melbourne's Pullman Albert Park, SCHÜTZ Australia presented our top-quality packaging and services for demanding products, including the ECOBULK MX-EX-EV for use in EX zones which is ideally suited for products such as styrene-based resins, hydrocarbons and aromatic solvents. **The exhibits included a new addition to the Australian product portfolio: the 208-litre OC open-head drum with an inner layer of natural-coloured, high-quality IBC inner bottle material, which is particularly suitable for viscous products, granulates and powders.** Our F1 tight-head drums in 220 and 110 litre versions, which are ideal for the transport and storage of liquids, were also on display at the stand.



# CHINACOAT

## Asia


An exciting trade fair year concluded in Shanghai, China: since it first took place in 1996, CHINACOAT (International Trade Fair for Coatings, Paints and Adhesives) has provided a global trading platform for suppliers and manufacturers in the coatings industry. **In November, SCHÜTZ China attended the show at the Shanghai New International Expo Centre and, among other things, showcased the high quality of our Ecobulk and drums, including the ECOBULK HX, which is designed for viscous products such as lacquers, paints or adhesives.** In addition to almost 100% residual emptying, the administration-free HX is also a more sustainable alternative to conventional stainless steel circular packaging systems. We also presented our SCHÜTZ CLEANCERT IBC, which offers maximum cleanliness and safety for product and processes in the coating industry.

You can read more about our trade fair stand at Interpack in our review of the year on page 26.

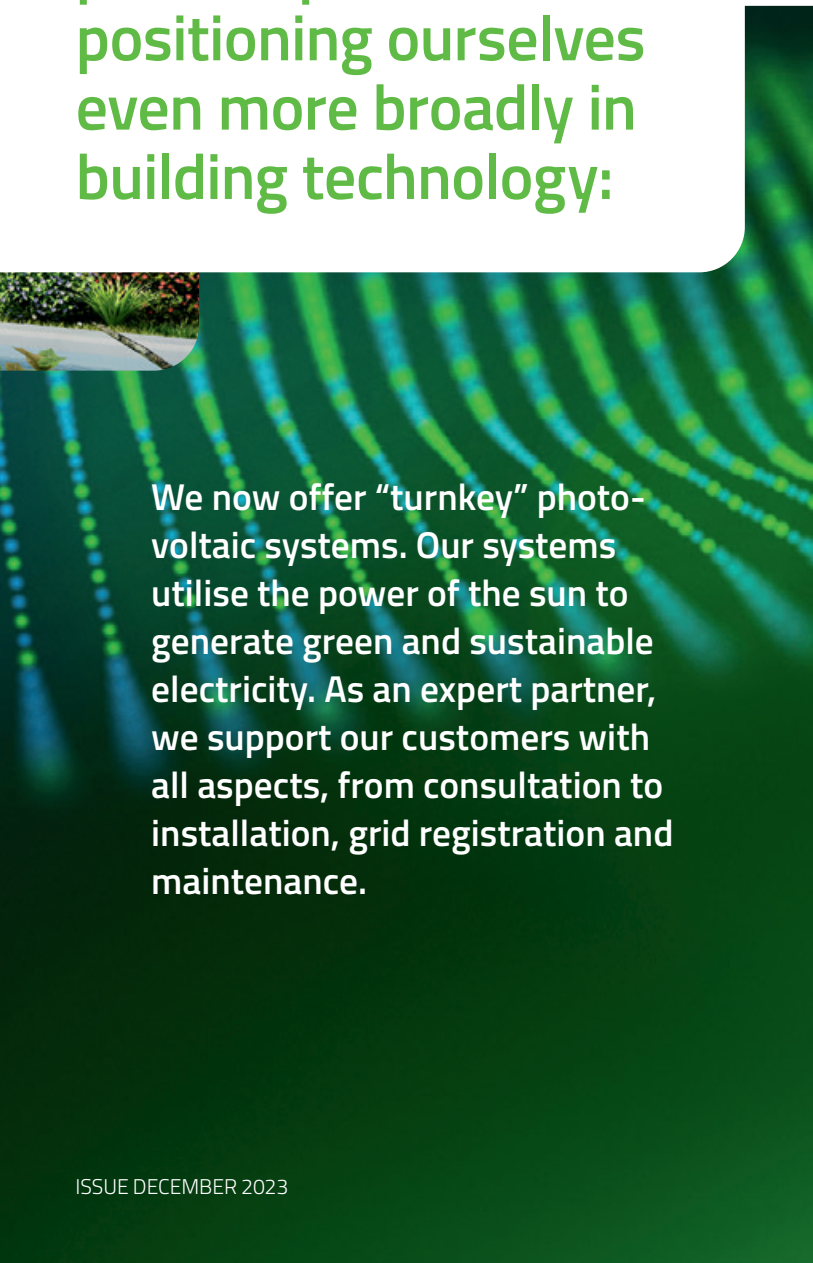


# SCHÜTZ PHOTOVOLTAICS – SUSTAINABLE ELECTRICITY WITH SOLAR POWER





**We are expanding our product portfolio and positioning ourselves even more broadly in building technology:**



**We now offer "turnkey" photovoltaic systems. Our systems utilise the power of the sun to generate green and sustainable electricity. As an expert partner, we support our customers with all aspects, from consultation to installation, grid registration and maintenance.**

**M**ore and more companies and private households in Germany are utilising the sun's energy to generate their own electricity. There's an excellent reason why so many are harnessing the power of the sun: solar energy is a proven, clean and sustainable technology for the future. According to the Federal Statistical Office (Destatis), more than 2.6 million photovoltaic systems with a total rated output of around 70,600 megawatts were in operation in March 2023. This is a year-on-year increase of 16 per cent. The share of photovoltaics in the overall electricity output has also risen: in 2022, photovoltaics accounted for 11 per cent of the electricity fed into the grid in Germany, which is a new record.

As a full-service provider of building technology, we are excited to tap into this fast-growing market by introducing our new PV product range. Alongside our continued focus on underfloor heating systems for renovating old buildings and



expanding our installation services, we are also broadening our range of services and reinforcing our market position as a strong partner with a competitive choice of products and services.

### Our full range

SCHÜTZ Photovoltaics is a full-service offering, from consultation and planning to installation, commissioning, grid registration and maintenance. From smaller systems to large-scale photovoltaic projects – our customised photovoltaic solutions are used in the private, commercial and industrial sectors as well as in municipal facilities such as schools. **From “turnkey” photovoltaic systems to customised material packages, we can meet all needs.**

“With SCHÜTZ Photovoltaics, our customers receive high-quality systems, expert advice and comprehensive service from a single source – for a sustainable and independent power supply,” says Christian Schlosser, Managing Director of SCHÜTZ ENERGY SYSTEMS.

Anyone interested in the new systems can experience SCHÜTZ photovoltaic systems live at our site in Ransbach-Baumbach near Selters. Our new showroom offers a clear and compact overview of our entire product range: from underfloor heating and tank systems to the AIRCONOMY® indoor heating system and the new photovoltaic systems.

# Photovoltaics as a sustainable energy source

Photovoltaic systems convert the sun's energy into electricity. This technology offers many advantages:

## **AUTONOMY:**

*Compared to fossil fuels, solar power is an infinite source of energy. This means that operators of photovoltaic systems are less dependent on the electricity market and energy providers because they generate their own sustainable energy.*

## **SOURCE OF INCOME:**

*Photovoltaic systems offer a good return on investment, as the self-generated electricity means that less energy needs to be purchased from the grid. On top of these savings, regular income can be generated by feeding surplus electricity into the public grid.*

## **GOOD FOR THE ENVIRONMENT:**

*Photovoltaic systems produce sustainable, climate-neutral electricity. This reduces CO<sub>2</sub> emissions and improves air quality.*

## **CONNECTIVITY:**

*Photovoltaic technology can be combined with other systems to increase the overall efficiency of a building. For example, solar power can be used for electric mobility as well as for heat generation and heating water.*

## **COST EFFECTIVE:**

*The operating costs of a photovoltaic system are low compared to conventional energy sources. The solar energy itself is free, which translates into considerable savings when generating electricity.*

**OUR AIRCONOMY® SYSTEM NOW INCLUDES  
NEW VENTILATION UNITS WITH AN AIR FLOW  
RATE OF UP TO 600 m<sup>3</sup>/h.**

# NEW VENTILATION UNITS FOR AIRCONOMY®



Efficient heat recovery:  
The integrated cross-counter-flow heat exchanger transfers the heat from the extract air to the supply air, thus requiring less energy for heating.



The new flow-optimised AIRCONOMY® ventilation units up to 600 m<sup>3</sup>/h offer planning flexibility for residential and non-residential buildings.

**The new generation of units have flow-optimised components for energy-efficient air exchange with heat recovery, making them particularly suitable for use in detached houses and apartment buildings.**

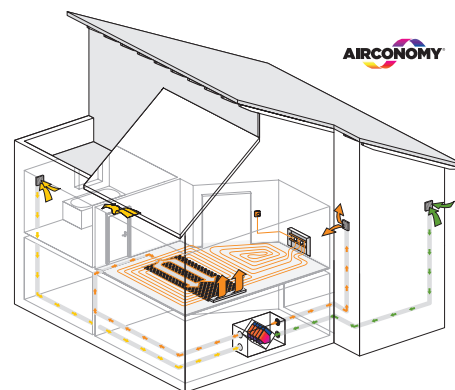
**A**IRCONOMY® is a complete system for efficient heating, cooling and ventilation. The system combines hot water underfloor heating with centralised ventilation with heat recovery and an integrated cooling function. By optimising the interaction of all components, AIRCONOMY® saves time and money compared to a combination of individual solutions. In order to provide a pleasant and energy-efficient indoor climate at all times, we are expanding the AIRCONOMY® ventilation portfolio. The Evotherm IV 225, 325, 400 and 600 central ventilation units now replace the previous Evotherm 300 and 400 units. The new Evotherm generation has flow-optimised components for energy-efficient air exchange with a maximum ventilation capacity of up to 600 m<sup>3</sup>/h.

### **Aerodynamic, silent and energy-efficient**

In the system, newly designed constant-flow fans work with the integrated control system to ensure an optimum balance between supply and exhaust air. The air flows are separated in the device. Thanks to the improved aerodynamic concept, the new devices are more efficient, quieter and require less energy to operate; measurements show that the energy consumption of Evotherm devices is around 30% lower than comparable ventilation devices. The integrated cross-counterflow heat exchanger provides temperature efficiency of up to 95%. The air flows for supply and exhaust air are crossed and pass in opposite directions, which extends the contact time during heat transfer and thus increases the degree of heat recovery.

### **Demand-based control with sensors**

The new AIRCONOMY® ventilation units control the room temperature automatically: sensors for controlling the CO<sub>2</sub> and RF levels can be connected flexibly. The 2-zone demand control set enables ventilation according to individual requirements. Optional fine dust and activated charcoal filters clean the incoming air of pollutants and unpleasant odours. An enthalpy exchanger is also available as an option to improve the humidity balance during the heating period. With the help of an additional circuit board, all ventilation units can be upgraded to the Plus version, which offers additional connection options and control functions.



AIRCONOMY® ensures energy-efficient heating, ventilation and cooling. Thanks to the optimum interaction of all components, AIRCONOMY® saves time and money compared to the combination of individual solutions.

### **Easier planning, installation and maintenance**

Our new ventilation units have a compact design with a small footprint. A practical digital installation assistant, which can be operated directly via the touch display, saves time during installation. A maintenance assistant helps with maintenance and filter changes. The comprehensive range of designs and connections in our Evotherm series offers planning flexibility for residential and non-residential buildings, even for energy-efficient refurbishment projects. Together with the Evotherm F (Plus) flat units, which will remain in the range, there is the ideal AIRCONOMY® solution for every building project for optimum indoor temperatures.

For more information, visit  
**[www.airconomy.net](http://www.airconomy.net)**



Energy-efficient and powerful:  
**EXPANSION OF HONEY-COMB PRODUCTION**  
sets new standards with  
advanced technology

The production area for our lightweight construction material CORMASTER® at the Selters site has been enlarged by adding a new hall complex with over 6,000 square metres. SCHÜTZ COMPOSITES now has two independent, fully redundant production lines for manufacturing high-tech honeycomb blocks and panels. This has doubled production capacity and further increased supply security for our customers.

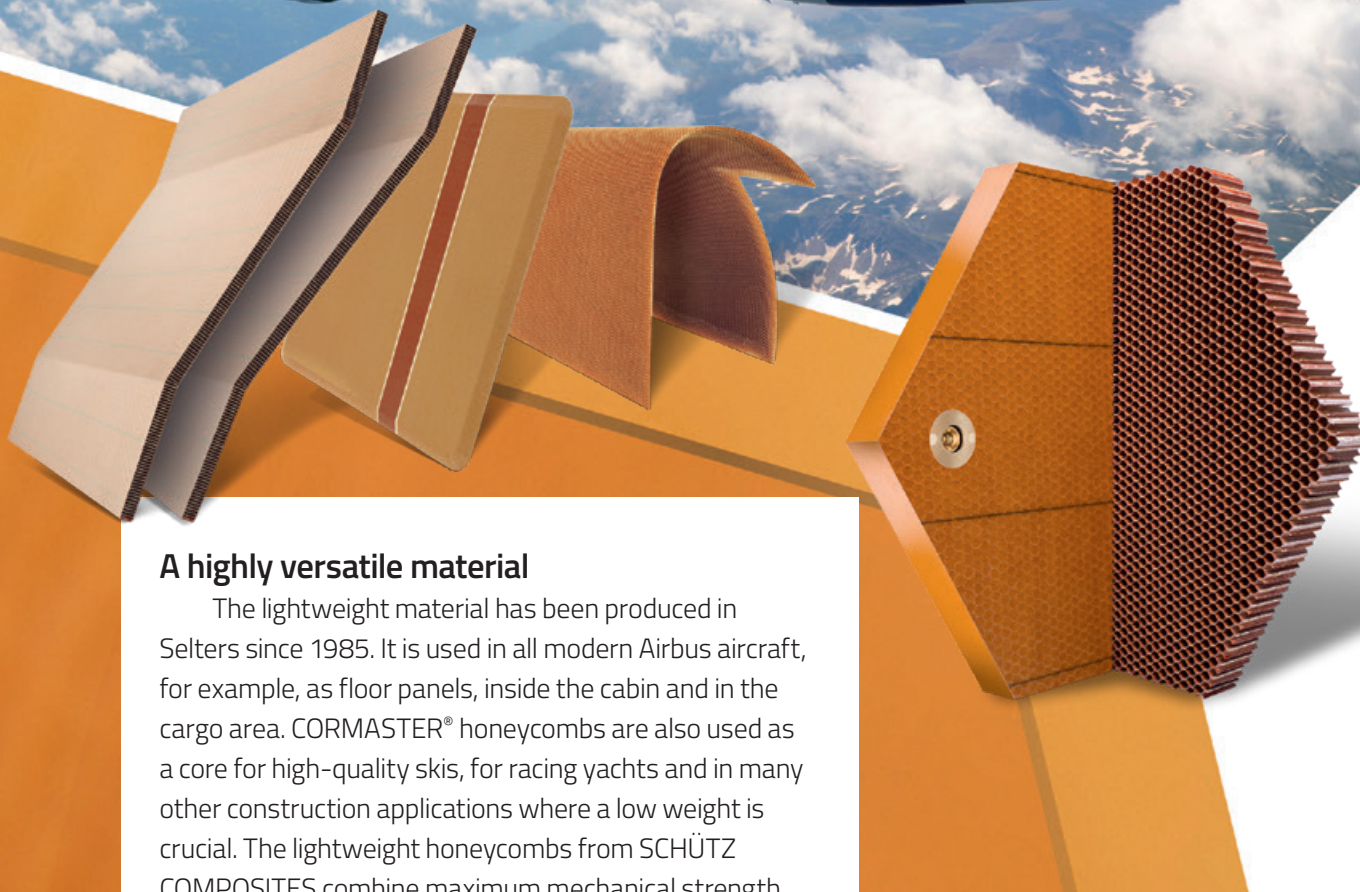


**W**ith the installation of the additional production facilities, which comply with the latest technical standards, we have once again enhanced the production of our lightweight construction material CORMASTER®. Now, on the new production line in Selters we can produce honeycomb blocks up to 2,700 x 3,600 mm in size. Adjacent to the production line are new heated storage areas for finished goods and raw materials. The line covers all process steps in honeycomb production and includes an adhesive mixing room, a printer for applying the adhesive to the aramid paper, an expander, stabilising ovens, dipping chambers, curing ovens and a large sawing area for cutting the honeycomb panels to size. Last but not least, new office and recreation rooms have also been built for the CORMASTER® staff in Selters.

All systems were planned by SCHÜTZ engineers and largely manufactured in our own mechanical and plant engineering department. Our in-house machine construction enables uniform quality standards worldwide, a high degree of flexibility and short downtime intervals in the event of potential repairs.

### High level of safety and low CO<sub>2</sub> emissions

One key example of the increased level of automation on the new production line is the handling and dipping of the honeycomb blocks in phenolic resin. The two redundant production lines have independent power, gas and thermal oil supplies. This increases supply security for our customers, as the redundant line can continue to run if the other line fails. Fire and explosion protection is a top priority for us in all production areas and the new line fully complies with the very latest standards. The new production line not only provides improved quality and efficiency, it also scores with lower CO<sub>2</sub> emissions. Among other things, a modern exhaust air treatment system was installed, which utilises the residual heat in the exhaust air and reduces pollutant emissions. In their plans for the building, the SCHÜTZ engineers already had their sights set on the company's future development: the halls of the new CORMASTER® production facility offer space for additional expansion.



### A highly versatile material

The lightweight material has been produced in Selters since 1985. It is used in all modern Airbus aircraft, for example, as floor panels, inside the cabin and in the cargo area. CORMASTER® honeycombs are also used as a core for high-quality skis, for racing yachts and in many other construction applications where a low weight is crucial. The lightweight honeycombs from SCHÜTZ COMPOSITES combine maximum mechanical strength and resistance with an extremely low density. **The material is resistant to water, oils and paraffin, and the composite material can even withstand extreme heat and moisture.**

The honeycomb material is based on aramid paper, which is first printed with adhesive lines and then bonded in alternating sequence. The hexagonal or rectangular honeycomb structure is created in the expander and stabilised in the oven. After the stabilisation process, the honeycomb blocks are dipped multiple times in phenolic resin and cured until the desired density and strength of the material has been achieved. CORMASTER® honeycombs are available as a block, as sawn panels or from our second COMPOSITES plant in Siershahn in special shapes, e.g., milled parts or sandwich panels.

**JEC WORLD**  
**2024** The Leading International  
 Composites Show

Visit us at JEC WORLD  
 from 5 – 7 March 2024  
 in Paris.

We look forward to  
 welcoming you in Hall 6,  
 Booth E55.



Sustainability  
at all times



# On the high seas with the “SCHÜTZ Sailing Team”

Sailing is one of the greenest and most sustainable sports – all it takes is the wind to power a sailing boat. Sailing is becoming increasingly popular in this country, something that Boris Herrmann and his Team Malizia may have contributed to. This is a sport that depends crucially on team spirit and pulling together as a crew, values that are also reflected in SCHÜTZ’s corporate culture. It has become a bit of a summer tradition for a crew of SCHÜTZ employees to go sailing together in their free time.

No matter which way the wind blows, the sail leads the way. A team of four SCHÜTZ colleagues embraced this motto in the summer and set sail on the IJsselmeer in the Netherlands. In perfect sailing weather, the SCHÜTZ Sailing Team covered a distance of 157 nautical miles on their 6-day tour. It was team building at its best – because it takes coordinated teamwork to get the ship on course and ultimately to its destination. New crew members are always welcome!

No matter which way the wind  
blows, the sail leads the way.

2023



# Further expansion of the company in 2023

The SCHÜTZ Group looks back on an exceptional year. Finally, trade shows reopened and we were able to present exciting product innovations and our system for the secure supply of products in a sustainable packaging cycle at interpack. We have also invested extensively in boosting our performance with new locations, advanced technologies and expanded capacities worldwide. This strategic expansion encompasses all areas of the company: from the extension of our in-house machinery and plant engineering and our own infrastructure, broadening our composite manufacturing through to new product and service solutions in building services.



**Interpack 2023:  
We presented our  
products and service  
solutions with latest media  
technology on an area of  
over 650 square metres.**



**S**CHÜTZ stands for customer proximity, innovation and sustainability – and at the beginning of May, visitors to our stand were able to experience this for themselves at interpack 2023 in Düsseldorf. We presented our products and service solutions with latest media technology on an area of over 650 square metres. Our international team of colleagues from around 60 SCHÜTZ locations spoke with visitors from all

over the world about their applications, requirements, and the latest trends and developments in environmentally friendly packaging and efficient logistics. The incredible value of direct contact and personal dialogue was demonstrated at our popular evening events on the stand, where after a busy day at the trade fair we were able to chat and unwind with our guests in an exclusive lounge setting.



## Exclusive world premieres and intelligent developments

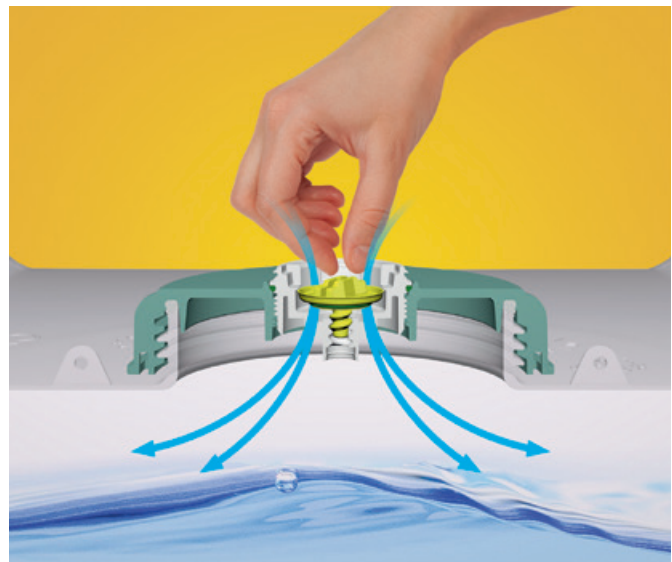
From IBCs to jerrycans, steel and plastic drums: with over 20 product and service innovations, we presented our broad portfolio of new SCHÜTZ solutions to our trade show visitors. In all our new developments we always aim to further expand the range of applications for our packaging and to further improve performance in the specific application.

For example, a prototype of our double-walled IBC with a protected outlet valve was exclusively premiered at interpack. Like its established sister model SX-D, the new SX-D-OV offers maximum protection in the event of fire thanks to a closed, fire-resistant outer hull made of steel. The container guarantees additional safety against the filling product leaking under extreme conditions, and it is a highly efficient packaging solution for sensitive filling products. In the new OV version, an outlet valve has been integrated behind a protective lid that can be removed easily and without the need for tools. This means that the filling product can now also be discharged from below, like in a standard IBC.



## New IBC pallets and components

Another prototype we debuted at interpack was the new 3-skid steel pallet. Compared to standard steel skid pallets, it has an additional middle skid, which enlarges the contact area tenfold. Along with high stability and minimised sagging even under full loads, this makes the pallet ideal for use with automatic transport systems and in high-rack warehouses. This also applies to the second pallet innovation: the plastic frame pallet which is specially designed for automated warehouses. Its innovative monobloc design makes it particularly robust. Manufactured from recycled plastic, it is resistant to damage and soiling and helps to reduce carbon emissions. Our SCHÜTZ FOODCERT and SCHÜTZ CLEANCERT packaging also stands for maximum cleanliness and hygiene. We showcased our new product standards with the CC/FC Breather and the peelable sealing film that provides enhanced protection for the original filling product quality. We also presented our new Diptube system, which is available for most SCHÜTZ packaging types and which ensures clean and safe discharge from the top.



The SCHÜTZ Laser Drum has comprehensive corrosion protection thanks to a revolutionary production process.



### Drum innovations and a new range of jerrycans

Anyone who thought that all potential innovations in the field of steel drums had been exhausted was shown otherwise with our laser drums. Using the most advanced welding technology, we use sheet steel that is hot-dip galvanized steel on both sides directly from the coil to create extremely clean and corrosion-protected drums – and without any need for time-consuming internal and external coating. Another ground-breaking new product is our SC1 plastic jerrycan series. Using state-of-the-art system technology and a design that has been optimised down to the last detail, we now also offer the highest quality, safety and user-friendliness for packaging for small filling quantities of 5 to 30 litres.



Only homogeneous, low-odour recyclate with a uniform colour is used for our GREEN LAYER packaging.

### A focus on the circular packaging economy

We place a particular focus – and not just at the trade fairs – on further expanding our system for sustainable packaging cycles. With the SCHÜTZ TICKET SERVICE, we have for decades been offering a worldwide programme for the free collection and reconditioning of emptied IBCs. We traditionally use the plastic material recovered in this process to produce components such as corner guards or plastic pallets. With our new GREEN LAYER product range, we are going one step further and offering maximum resource conservation at the highest quality level by using high-quality recycled material as the middle layer in our 3-layer containers. The inner and outer layers are made from virgin material to ensure optimum protection of the filling product and the environment. At the same time, the new packaging has a significantly enhanced eco-balance, with savings of up to 6.8 kg of CO<sub>2</sub> for IBCs and, depending on the type, up to 3.8 kg additional CO<sub>2</sub> savings for our plastic drums. Our new canisters will also be available in a GREEN LAYER version.

## COMPANY

Sweden – **All-emballage**

China – **Yangzhou**

Netherlands – **Jager-Group**

Belgium – **Remi Tack**

Spain – **Cazalegas**

USA – **Hazleton**

Extensive investments in ultra-modern process and environmental technology form the basis for our new range of packaging with a 30% recycled content and no compromises when it comes to quality and safety.



### Reconditioning and recycling centres set new standards

Extensive investments in ultra-modern process and environmental technology form the basis for our new range of packaging with a 30% recycled content and no compromises when it comes to quality and safety. At SCHÜTZ, the extraction of the high-quality recycled material we need to make these containers starts with the collection of used packaging. Each container is evaluated in a fully automated, AI-supported condition assessment process; the inner bottle of each container is removed and assessed. New SCHÜTZ RECOBULKS are made from the used steel grids and bottom plates in an almost fully automated process; the inner bottles undergo a complex recycling process at our new recycling centre in Selters. Depending on the intended use, we obtain different grades of material. Only homogeneous, low-odour recycle with a uniform colour is used for our GREEN LAYER packaging.

### New locations and acquisitions

When it comes to large industrial packaging, being close to the customer not only increases environmental efficiency but provides immediate advantages in terms of lower transport costs and increased supply flexibility. With these benefits in mind, we have further expanded our presence in selected regions and shortened distances with three newly opened SCHÜTZ sites in Spain, China and the USA. The plants in Cazalegas, Yangzhou and Hazleton feature the latest SCHÜTZ production technology and produce PE drums as well as a range of IBC types. Like the other two sites, the Yangzhou plant will also start reconditioning containers to the highest environmental and safety standards.

### We have also further strengthened the global SCHÜTZ network through targeted acquisitions.

The two established reconditioners Remi Tack in Belgium and the Jager Group in the Netherlands are now wholly owned SCHÜTZ subsidiaries. In Sweden, we acquired full ownership of the company All-emballage this year, after having bought a majority stake in the leading reconditioner in Scandinavia back in 2013. As a result, we have also expanded our range of services in these regions.



Ireland

Germany

Australia

Indonesia

Brazil

This year we again strengthened our performance in key areas with numerous individual projects.

### Infrastructure expansion

We bounced back successfully from the pandemic; this underscored for us and our customers just how important it is to have a stable production system that is as independent as possible. With this in mind, this year we strengthened our performance in key areas with numerous individual projects. At the Houston site, for example, we have expanded our steel drum production capacities to include tight-head variants. Also in the USA, at the St. Joseph, Missouri, site, we installed a new 6-layer extrusion blow moulding line used to produce IBC inner containers for a wide range of applications; this also further increases supply security in North America. The plant of our Brazilian joint venture SCHÜTZ VASITEX was also expanded to include an additional hall complex for the production of F1 tight-head drums and jerrycans and a modern multi-layer extrusion blow moulding line was added. Our new subsidiary GEM in Ireland also benefited from new facilities and additional storage space. In order to further increase global supply security, we expanded the capacities of our own steel service centres and pressing plants in all regions of the world and invested extensively in our in-house machinery and plant engineering at the Siershahn site.



## ENERGY SYSTEMS has a new business segment

In response to the enormous market demand and the great potential of renewable energies, we are now systematically expanding our range to include high-quality photovoltaic systems. All our customers – from private users to commercial customers and municipal clients – benefit from decades of experience in the field of modern building technology. As a competent partner, SCHÜTZ ENERGY SYSTEMS offers everything from a single source: consulting, planning, installation, commissioning, grid registration and maintenance. This makes the path to solar power generation on your own roof very simple.



As a competent partner, SCHÜTZ ENERGY SYSTEMS offers everything from a single source: consulting, planning, installation, commissioning, grid registration and maintenance.



## New autoclave expands possibilities in lightweight construction

Our COMPOSITES division is also growing: this year, a new autoclave for the production of heavy-duty fibre-plastic composite parts was installed at our plant in Siershahn. It has a capacity of 240 cubic metres and is the second gas-tight sealable pressure vessel at the site. **The hot-air autoclave is used for the production of components in the aerospace industry and for sailing; it enables us to make much larger components than previously.**





*“In twelve months,  
we have learnt so  
much about our  
boat and have  
perfected it.”*

*Boris Herrmann*



### The Malizia – Seaexplorer racing yacht masters the endurance test

As the Official Supplier and Technical Partner, we were thrilled to support Boris Herrmann and his Team Malizia in the Ocean Race: during the month-long sailing regatta around the world, the experienced skipper was able to rely on his new racing yacht. After 37,000 nautical miles, Team Malizia reached the finishing line in the port of Genoa at the end of June and celebrated a highly acclaimed stage victory. The 42-year-old sailor was full of praise for his yacht, emphasising that he would never consider another ship. Team Malizia finished the Ocean Race in third place. The Seaexplorer covered more than 55,000 nautical miles in the first year after its christening. “In twelve months, we have learnt so much about our boat and have perfected it,” commented the German sailor. “I am overjoyed and cannot wait to continue this amazing journey with Team Malizia and its partners!” We’re keeping our fingers firmly crossed for him for the 2024 sailing year!

# Special recognition for our most loyal employees

Employees who remain loyal to their company for 25, 40 or even 50 years more than deserve very special recognition and a round of applause. At SCHÜTZ, it is a long-standing tradition to honour this degree of commitment and loyalty at a special ceremony. This year, company founder Udo Schütz and CEO Roland Strassburger were proud to honour 55 employees for their many years of service.



It is very rare for an employee to work at the same company for half a century. This year, however, we were proud to honour an active employee who started at SCHÜTZ in 1973 – an incredibly long period of time in a working life. In 2023, two other employees celebrated their 40th anniversary at the company. And that's not all: an impressive 52 colleagues look back on 25 years at SCHÜTZ.



The success of any company rests on the commitment of its employees. This is why SCHÜTZ takes such pride and joy in celebrating the company jubilees and expressing our gratitude with a formal event. The ceremony is held every year in the administration building in Selters, with a festive champagne reception to kick things off. As in previous years, the guests included many former SCHÜTZ employees who still have a strong connection with their former employer. As the highlight of the ceremony, company founder Udo Schütz and CEO Roland Strassburger shook the hand of each long-standing employee and thanked them personally for their loyalty and commitment.



### Video as memento

In a lively presentation, the audience was able to see just how impressive SCHÜTZ's growth has been over the past few years. In preparation for the ceremony, those being honoured were filmed during their daily work. The carefully compiled video was also shown at the ceremony. In a festive, pre-Christmas atmosphere and over a good dinner, those present shared many personal anecdotes and stories.

# SNAPSHOTS FROM ALL OVER THE WORLD

SCHÜTZ is in use everywhere – and our newsletter team loves getting your fun, creative shots: [info1@schuetz.de](mailto:info1@schuetz.de)



There is the perfect SCHÜTZ IBC for every application: at Harrison Lake in Canada, our IBCs are used for sorting and storing life jackets. 🛶

An IBC on the way to the summit – seen in the Bavarian Alps. 🏔️



Ready for the next harvest – with raised beds made of IBCs. 🧑‍🌾



# HEADING FOR THE TOP WITH SCHÜTZ!



The world's highest peak proved an irresistible lure for two SCHÜTZ employees from our headquarters in Selters. The two travelled to Nepal this autumn and set off on a joint trekking tour. The ambitious goal of one of the legs was Mount Everest Base Camp. At an altitude of 5,364 metres, the two trekkers were not only rewarded with a spectacular view of Mount Everest and the neighbouring giants Lhotse and Nuptse, but also with the supremely satisfying feeling of have attained their goal. With the mountain panorama in the background, the intrepid two unfurled a SCHÜTZ pennant – because with SCHÜTZ you can climb high, even when you're not at work!



"Over the Rainbow" in the Westerwald. 🇧🇪🇩🇪🇦🇹🇨🇪



A sheep buffet in the Netherlands: a SCHÜTZ IBC is used as a drinking fountain. 🇳🇱



Our IBC in use as a garden drip irrigation system in Croatia. 🇩🇪🇭🇷

# *Running together* for a strong community

Things are running smoothly at SCHÜTZ – and not just at work: in several countries this year, SCHÜTZ employees teamed up and competed in races. And, with such a strong team spirit, it will come as little surprise to learn that their sporting efforts were crowned with success.





# B2Run

KOBLENZ GEMEINSAM. AKTIV



An astonishing 130 contestants from SCHÜTZ laced up their running shoes at the end of June and took part in the B2Run company race in Koblenz. They were among the 14,000 avid runners on the 5.4-kilometre course along the Rhine Promenade at Deutsches Eck. To avoid adding to the congestion, we organised a shuttle bus, so that our employees could leave their cars and travel as a group to Koblenz, where the starting shot for the first groups was fired at 5 pm.

For the SCHÜTZ team the company run was an unforgettable event which really boosted the team spirit. This was particularly obvious during the race, with colleagues motivating and cheering each other on. There was great jubilation at the finishing line, with applause for each individual runner's sporting success. A get-together after the end of the race was the ideal opportunity to recover and meet new people. With great music, tasty food and refreshing drinks, the evening wound down with a relaxed party. At the end of an eventful day, our SCHÜTZ runners returned to Westerwald with pride and an even stronger team spirit.

# Crossing



## Team spirit and a healthy lifestyle

At the end of May, eight SCHÜTZ France employees took part in the company run Le Foulées de Courtaboeuf in Villebon-sur-Yvette near Paris. The event attracted a total of 462 runners, who completed a distance of either 5 or 10 kilometres. Since 2010, SCHÜTZ France has been a regular participant in this company run, setting a great example for team spirit and a healthy lifestyle. The event is one of the highlights in the company's annual calendar.



# THE FINISHING LINE!

## A marathon for a good cause

In October, four colleagues from SCHÜTZ Benelux delivered a particularly impressive sporting achievement: all four completed the ASML Marathon in Eindhoven in the Netherlands. The 42-kilometre run is a two-day event and for many years it has been the biggest sporting event in the province of North Brabant, attracting more than 25,000 active participants. The flat, wide and varied course is good for fast finishing times and is also highly attractive for spectators. More than 200,000 supporters regularly come to watch the sporting action along Vestdijk road.

The organisers use the high profile of the internationally acclaimed race to support a good cause. This year, they chose the Dutch Cancer Society (KWF Kankerbestrijding) and all participants and spectators were asked to make a donation. The motto was "Running against cancer and for life". We are proud and very pleased that our colleagues were able to make a great contribution to this good cause.



***Team SCHÜTZ looks forward to further joint activities with colleagues old and new.***

A wide range of career opportunities at SCHÜTZ –

# Grow with u

From a one-man business to a global group of companies with over 7,000 employees: the dynamic growth of SCHÜTZ is primarily a success story driven by the people who work for us. As an employer, we actively encourage professional development and offer a wide range of promotion and career opportunities in many different vocations. With the best technical equipment, a modern, highly motivational working atmosphere and a special focus on training our junior staff, we create the basis for our joint success to flourish.



[www.schuetz.net/career](http://www.schuetz.net/career)

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**F**rom revolutionary technologies and innovative products to expert advice and dependable processing: behind all these services stand the people who drive our development with their knowledge and expertise. As a family-owned company which has grown over the years, we share a special bond with our employees. We plan for the long term and we utilise our solid financial foundation and economic independence to create secure jobs with good prospects.



### **A wide range of jobs in an international environment**

With over 120 different job profiles, 60 international locations on all continents and top positions in many market sectors, SCHÜTZ offers a wealth of roles and development prospects. There are plenty of opportunities to grow your career, from jobs in the industrial-technical sector, as a commercial employee or an IT specialist. This variety of activities is based on our philosophy of performing all tasks ourselves to the greatest possible extent. As a result, for many products our vertical integration is over 90 per cent.

In practice, this means that we not only develop and manufacture our products ourselves, but also plan and build the necessary machinery and systems, including our plants around the world. This means that that we

have a wide range of technical departments at our disposal, from state-of-the-art laboratory and CAD workstations to high-performance toolmaking and mechanical engineering with various specialisms, production processes, sales and administration in our four different business divisions. Our IT department is taking on an increasingly important role on the company's path to Industry 4.0. Deep software integration characterises all processes and is being harnessed to drive our continued growth.

## Active support for professional development

Every new product, every new manufacturing process and every new international location always opens up new vocational training and career opportunities at SCHÜTZ. We value independent work and offer an inspiring working atmosphere with flat hierarchies and short decision-making paths where personal performance is recognised and individual development is encouraged. We also offer the opportunity to experience variety, for example, by switching to a new role or to another location, as well as the opportunity to specialise within a vocation, by training as a toolmaker specifically for injection moulding, blow moulding, deep drawing, etc..

We support our employees with an extensive programme of training and development opportunities, both in our in-house training centre and through external training courses and seminars. This programme includes further professional qualifications as well as language classes in preparation for assignments abroad or intensive co-operation with our international subsidiaries. A closer look at the career biographies of our long-serving employees reveals many examples of personal success stories at SCHÜTZ.

**Alongside our commitment to providing the best development opportunities, the health and safety of our employees is our top priority.** We equip our workplaces with state-of-the-art tools and health and safety equipment and ensure a clean and pleasant working environment. At our headquarters in Selters, with over 2,700 employees, active health care also includes membership of SCHÜTZ's own fitness centre.

## Fully integrated and optimally equipped from the word go

With over 160 study and training slots, we are strongly committed to helping up-and-coming professionals gain the qualifications they need. As one of the largest training companies in the region, we offer our young talents the best basis for their professional future.

**This year, we welcomed a record number of 49 trainees and 7 dual students to our company headquarters in Selters, in 25 different vocations.**

We currently have a total of 146 trainees at SCHÜTZ. For the coming year, we are seeking to recruit 76 trainees for 36 different vocations.

SCHÜTZ organises Welcome Days to introduce newcomers to the company and to ease their path. The newcomers meet their instructors and colleagues and are also given the first technical tools for the tasks that lie ahead. The programme includes factory tours at our sites in Selters, Sier-shahn and Ransbach-Baumbach. Each apprentice is given a tablet to equip them for the increasing digitalisation of our processes.





SCHÜTZ also offers training opportunities at locations outside of the Westerwald region: this year, we welcomed our first ever apprentice in Hamburg, who is training to become an electronics technician for industrial engineering. This vocation has been offered at our Simbach site since 2019, and next year, several young people are set to start their training in a variety of professions there as well.

### Scholarships make it easier to get started

We have also introduced two new scholarship programmes: each year, we give ten individuals the opportunity to start a second apprenticeship in a technical profession with us after completing their vocational training in another industry. In addition to their usual salary, the scholarship holders receive an additional monthly allowance so that they can concentrate fully on their vocational qualification. The second scholarship programme is aimed at full-time students in the fields of electrical and mechanical engineering. As well as the financial incentive, the regular exchange with our experienced employees is an attractive benefit, making it easier to launch a career after graduation. Of course, we also invest in our instructors by organising regular in-house exam preparation courses for the AdA exam.

Further information about working at SCHÜTZ and our current vacancies can be found at:

**[www.schuetz.net/career](http://www.schuetz.net/career)**

We look forward to growing together!

# Merry Christmas



Dear Readers,

2023 has been an exciting and action-packed year for the SCHÜTZ Group. One of many highlights was undoubtedly our return to the trade fair stage at interpack, the world's biggest industry get-together, after a break of six years. In keeping with the interpack slogan, "Containing everything that matters", we were proud to showcase our many product innovations, the expansion of the global SCHÜTZ network and the extension of our existing sites.

This issue marks the end of the 2023 newsletter season.  
Thank you for your interest and loyalty, for your praise and constructive criticism.

We wish all our customers, partners, colleagues and their families a Merry Christmas and a very happy, healthy and prosperous New Year!

*The SCHÜTZ News Team*