



dialog

Spring 2024 edition



A FOCUS

ON OUR CUSTOMERS

EMW

New dispatch hall
put into operation

Perforated Metal

Large façades with
striking designs

Container Systems

Clean drinking water worldwide
with a focus on sustainability

IT-Systems

ProSiebenSat.1 receives
iQdata data centre



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Management Board of SCHÄFER WERKE Group: Michael Mockenhaupt, Guido Klinkhammer and Marcus Düber

A focus on our customers

Dear readers,

Can a company truly be successful without being customer-focused? To us, the answer to this –rhetorical – question is obvious: of course not! It is through ongoing dialogue with customers, suggestions from the market and feedback from users that we can lay the foundations for being able to offer market-driven solutions in the future.

The focus is always on the customer: Our extensive product portfolio for a wide variety of industries and applications reflects this assertion, which is also a fundamental part of our values as a family business. With our diversified business fields, always close to a wide variety of markets, we believe we are very well positioned for the coming years and decades.

The strategy of diversification opens up numerous opportunities, but without question this also requires a great deal of strength, flexibility, agility and the courage to change. We are happy to meet these requirements – combined with values, such as sustainability and reliability, which have also characterised our company for over 85 years.

In challenging times like these, it is more important than ever to keep the lines of communication open – and to find forward-looking solutions together. We are therefore dedicating this issue of dialog to the value of long-standing, trust-based customer relationships and providing examples from our various business areas.

We hope you enjoy reading and gaining new insights!

The Management Board


Michael Mockenhaupt


Guido Klinkhammer


Marcus Düber

Fairs & Dates



CHEMUK
Process & Chemical Engineering Show
15–16 May 2024
Birmingham, UK



EUROBLECH
Int. Trade Fair for Sheet Metal Working
22–25 October 2024
Hanover, Germany



DATA CENTRE WORLD
Int. Trade Fair for the IT industry
22–23 May 2024
Frankfurt, Germany



Alles für den Gast
Trade Fair for the Gastronomy & Hotel Industry
9–13 November 2024
Salzburg, Austria



EBC CONGRESS & BREWERS FORUM
26–30 May 2024
Lille, France



BRAU BEVIALE
Int. Trade Fair for the Beverage Industry
26–28 November 2024
Nuremberg, Germany

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A successful customer event with over 100 participants at the SSI SCHÄFER Technology Centre in Neunkirchen

EMW Steel Dialogue Day

Expert knowledge, plant tour and networking

On 20 September 2023, after a break of several years due to the pandemic, the EMW Steel Service Centre held a special customer event.

The invitation to the EMW Steel Dialogue Day, held at the technology centre of our subsidiary SSI SCHÄFER in Neunkirchen, was accepted by no less than 100 participants – including numerous large and long-standing customers from all over Germany and neighbouring countries as

well as some of our new colleagues from OKS Iserlohn.

The new EMW corporate video was premièred at the launch. In addition to valuable expert knowledge, EMW customers also received information about trends and sustainability in the steel industry. But highly topical issues also played a role, such as artificial intelligence in the world of work. During a tour of the plant, visitors were able to see

the efficiency of our Steel Service Centre for themselves. The participants were taken to Pfannenberg in buses and guided through the EMW production halls in a total of four groups. Before, in between and afterwards, there was plenty of room for one-to-one conversations and networking.

All in all, it was an extremely successful event and the feedback from customers was consistently positive.



Industrial construction with CO₂-reduced “green steel”

EMW Steel Service Centre puts new dispatch hall into operation



EMW's newly built dispatch hall, pictured front left, significantly improves the logistics options at the Treuen location

After a good six months of construction, EMW Stahl Service GmbH has put its new dispatch hall at the Treuen location into operation. With a storage area of over 1,200 square metres and a converted space of 10,200 cubic metres, this extension significantly improves processes and productivity. The storage capacity has grown by around 2,000 tonnes of material ready for dispatch, enabling continuous operation of two shifts from this year onwards. Thanks to the new loading bays, more lorries can be loaded simultaneously in future.

In addition to efficiency gains, this construction project focused in particular on sustainability: Only “green steel” from manufacturer ArcelorMittal’s X-Carb® brand was used for the entire steel construction – in line with our goal of becoming climate-neutral as per Scope 1 and Scope 2 by 2030.

Green steel is characterised by significant CO₂ savings. The materials used in Treuen, for example, are recycled and renewably produced steels using scrap (70 per cent) and renewable electricity (100 per cent).

“
Our self-imposed goal is to become climate-neutral in Scope 1 and Scope 2 by 2030.

*Michael Mockenhaupt,
Chairman of the Management Board
of EMW Stahl Service GmbH*

The construction of the new dispatch hall was the first step towards efficient growth

in Treuen. The location will be further strengthened and expanded in the coming years. A new crane system with a lifting capacity of 36 tonnes will go into operation in April 2024, allowing us to increase the stock of input material from the current 7,700 tonnes to 16,000 tonnes.

Outside, terrain stabilisation is being completed with a noise barrier, and an insect-friendly orchard is being planted at the same time. Investments in additional warehouses and production halls will follow in the coming years, starting in 2025.

Treuen is of central importance to EMW, especially for deliveries to Eastern Germany and the neighbouring countries of Central Europe. The “Goldene Höhe” industrial and commercial estate offers a suitable environment and excellent opportunities for further growth.



Successful trade fair appearances throughout Europe

Post-show report on Blechexpo 2023

Our participation in Blechexpo 2023 in Stuttgart in mid-November was not only exciting, but also very successful. Our exhibition stand covered 160 square metres, where the EMW Steel Service Centre – along with OKS Otto Knauf GmbH for the first time – and SCHÄFER Perforated Metal were able to present their service portfolio.

With a total of around 40,000 visitors and over 1,000 exhibitors from 38 countries, the trade show was a highlight in the industry's calendar – and we were also able to benefit from it. No fewer than 350 documented conversations were held with visitors at our stand – a new record!

The trade visitors were highly motivated and, in the EMW section, were able to find out about OKS's expanded product range as well as the topic of green steel. In the Perforated Metal section, the main topics of conversation revolved around the wide variety of applications and hole patterns combined with holistic solutions. The majority of our visitors came from Germany, Austria and Switzerland. But international visitors, primarily from Italy, Poland, Belgium, France and Romania, also found their way to our stand.



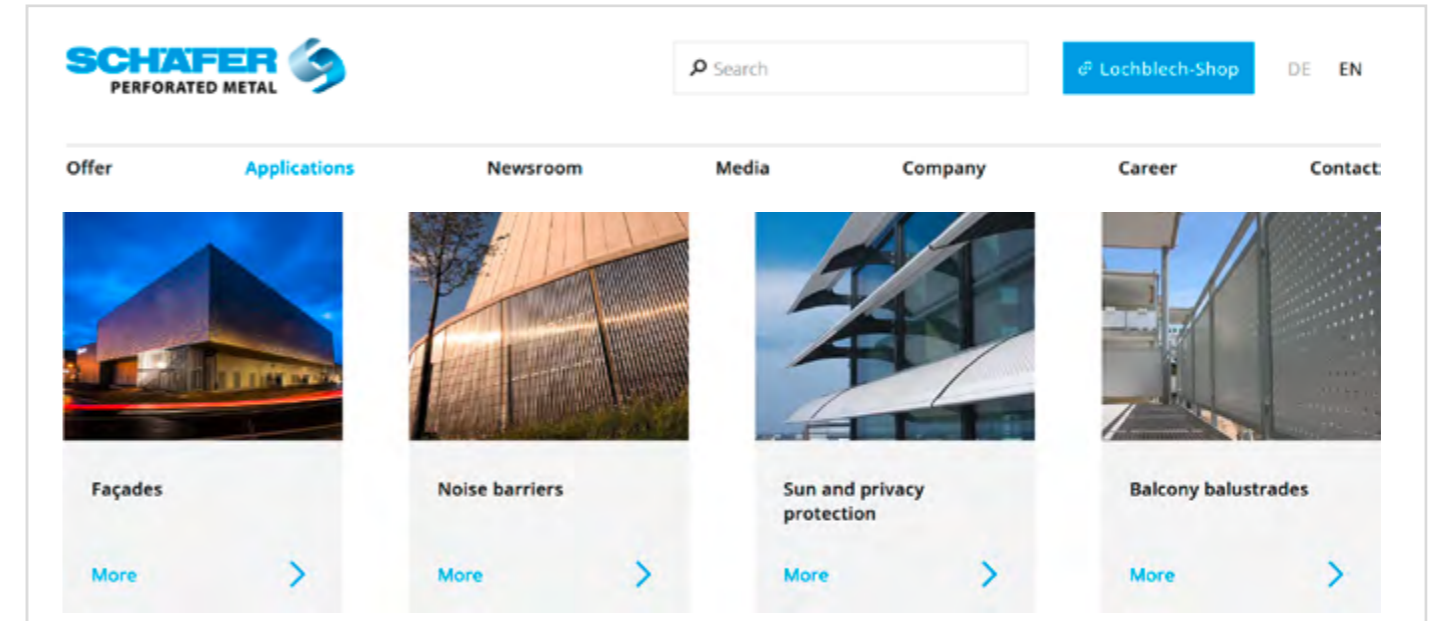
Distinctive special tractor radiator grille for the Fendt 200 V/F/P Vario, supplied ready-to-fit by SCHÄFER Perforated Metal

In addition to our large group of existing customers, mainly from the automotive supply industry, we are pleased to report that almost a quarter of our visitors were new leads. This will hopefully result in interesting new projects, thanks to our trade fair team arranging numerous in-person follow-up appointments and sending out quotes.

All in all, participation in Blechexpo was a great success for our company. We were able to gain valuable insights, establish new contacts and raise our profile. Our trade fair team, comprising representatives from EMW, OKS and Perforated Metal, was motivated and always there for each other. Many thanks to everyone involved for making this trade fair appearance a huge success for the SCHÄFER WERKE Group!

Perforated sheets and their possible applications

Improved overview thanks to the new structure of our website



We endeavour to review our website at regular intervals to ensure that it is user-friendly, clear and up-to-date. At the same time, we take feedback from our employees and customers very seriously with regard to our digital communication. Most recently, for example, particular attention was given to providing information on the SCHÄFER Perforated Metal website. The result? The website still had untapped potential.

We have restructured our website to give you an even better overview of the wide range of possible applications for our perforated sheet metal. The new

"Applications" section now not only provides detailed information on the individual products, but also specific examples for various industries.

The redesign offers users the advantage of being able to obtain specific information about the possible applications of SCHÄFER perforated metal in various branches of industry. Regardless of whether you are active in the automotive industry, the construction industry or power generation – our products are used in numerous areas and offer you an innovative solution for your requirements.

Application in detail: Perforated metal for the automotive industry

Within the new structure you will also find the automotive industry section. Our perforated sheets are a functional construction and design element for vehicles of all kinds and are used, for example, as ventilation grilles to protect the engine or as perforated body parts for weight optimisation. The individually perforated patterns and shapes of the perforated sheets make a decisive contribution to air circulation and cooling of individual vehicle parts and prevent thermal influences that can lead to overheating. Thanks to the new website structure, you will now find clear information on which applications using perforated sheets can be implemented in the automotive industry and for agricultural machinery.

Visit our redesigned website and discover the diversity of our products.

Customised protective and ventilation grilles for the Grenadier

Material: Steel, KTL + powder coating, perforated sheet 1.0 mm
Hole pattern: Hexagonal perforation (HV 6 - 6.7), 80% free cross-section

Design and function:

- Optimised for air flow for engine cooling
- Design development to get more air into the engine area (from 74% to 80%)
- Permanent protection of the engine against mechanical impact
- At the front of the vehicle and underneath the bumper
- Polyurethane foam frame prevents metal-to-metal friction and thus corrosion
- Simple installation thanks to clip connections
- Challenge: Ratio of hole size (6 mm), material thickness (1.0 mm) and web width (0.7 mm), which must not tear



Applications in detail – get inspiration from our reference projects



Function – design – aesthetics in façade construction

Customised perforated sheet production for large façades with striking designs



The H+ Carré shopping centre in Herdorf, including the "Herdorf water wave" 3D façade made of perforated sheets

Façades made of and using perforated sheet fulfil a wide range of architectural requirements. Individual design requirements can be implemented thanks to a wide range of hole patterns. Perforated sheets can be used as adaptive, lightweight elements for building exteriors. Building regulations can be met with individually designed façade elements, even where there are stringent requirements.

Large-scale 3D free-form façades

One showcase project is the H+ Carré shopping centre built in Herdorf, including a triple sports hall. For this project, Fielitz GmbH Leichtbauelemente designed and produced three-dimensional panels made of aluminium perforated sheets from SCHÄFER Perforated Metal. The 3D façade with the designation "Wasserwelle Herdorf" (Herdorf water wave) features baked-on powder coating in sand gold with a matt finish.

"The façade is made up of two different undulations that merge into one another. To do this, we used our fluid press –



The prerequisite is a stringent tolerance accuracy of the perforated sheets with a consistently high quality standard.

*Oliver Fielitz, Managing Director
Fielitz GmbH Leichtbauelemente*

the only one of its kind in the world – with a working range of two to four metres to deep-draw and form the perforated

sheets three-dimensionally at a pressure of 1,400 bar. The prerequisite for this is a stringent tolerance accuracy of the perforated sheets with a consistently high quality standard," explains Oliver Fielitz, Managing Director of Fielitz GmbH Leichtbauelemente.

The structural properties and low weight of the perforated sheet material enable a lightweight façade construction that permanently protects the building from the elements.

3D planning for a dynamic project

A partially transparent 3D façade made of perforated sheets was also created for the new Edeka building in Albstadt-Tailfingen in Baden-Württemberg. SCHÄFER Perforated Metal supplied 1,250 square metres of aluminium perforated sheets for the construction.

"The EDEKA project in Tailfingen is one of the properties where it made sense to plan in 2D instead of the usual 3D for façades. The shell of the building is very angular. The non-bearing perforated louvre façade creates a soft, curved line that dynamically rounds off the building's exterior," says Anna-Lena Wiegert, project manager at LACKER GmbH in Waldachtal.

The advantage of the louvre profiles, specially manufactured for this project, is the integrated groove to hold the perforated sheets, a feature that kept assembly work to a minimum.

Perforated sheet façades in the preservation of cultural and historical monuments

The projects in Berlin's culturally historic Marzahn-Hellersdorf and Reinickendorf estates were similarly challenging. Johannes Bau, general contractor for commercial and industrial buildings, has built three multi-storey car parks with a split-level design. When designing the façade, it had to be coordinated with the relevant authorities as part of the preservation of historical monuments and its appearance needed to blend in with the new residential development surrounding its narrow construction site.



Split-level car park in Berlin with a design that blends into its surroundings

"The car parks we build are classified as large open car parks in terms of standards. According to building regulations, their façades require a ventilation cross-section of at least one third. Our aim is to develop customised solutions for our customers and remain economically attractive thanks to a high degree of automation in the manufacture of our products. Perforated sheets have proven to be a durable and low-maintenance construction element for this. We decided to work with SCHÄFER Perforated Metal because of the technical

consultation, portfolio, quality and reliability of supply," says Matthias Millow, expert for car park construction at Willy Johannes Bau and contact person for the PARK»RAUM cooperation group.

Manufacturing expertise and finishing for durable façades

High-quality perforated sheets are a prerequisite for long-lasting perforated sheet façades. The base material comes from the EMW Steel Service Centre within the SCHÄFER WERKE Group. EMW has at its disposal an average of over 300,000 tonnes of sheet metal in almost all marketable grades, ready for delivery on demand.

In the production of perforated metal sheets, metal stamps are pressed into the smooth sheet surface by machine. This creates the specific hole patterns. Process-related burrs are deburred or rounded as standard in an additional work step during production.

Subsequent further processing is recommended for permanent corrosion and oxidation protection. To this end, the perforated sheets are primed and made corrosion-resistant using a cathodic dip coating process (CDC). Resistance to UV light is permanently achieved with a final powder coating.



SCHÄFER Perforated Metal supplied 1,250 square metres of aluminium perforated sheets for the new EDEKA building in Albstadt



MONVIN – ambassador for premium wines in modern kegs

Stainless steel kegs are the ultimate sustainable solution for winegrowers, specialised trade and the catering industry

Stainless steel KEGs from SCHÄFER Container Systems for marketing wine

MONVIN is the premium brand of the Montelvini Group. The company is run by the Serena family in the Asolo region of Veneto. The founder and former managing director, Armando Serena, recognised the potential of stainless steel KEGs early on. In 1987, he began storing his top wines in reusable stainless steel KEGs from SCHÄFER Container Systems.

Premium wine is traditionally bottled into glass bottles, or into conventional demijohns for marketing purposes. Glass is fragile, expensive and unhygienic. Stainless steel KEGs, on the other hand, offer ideal conditions for both red and white

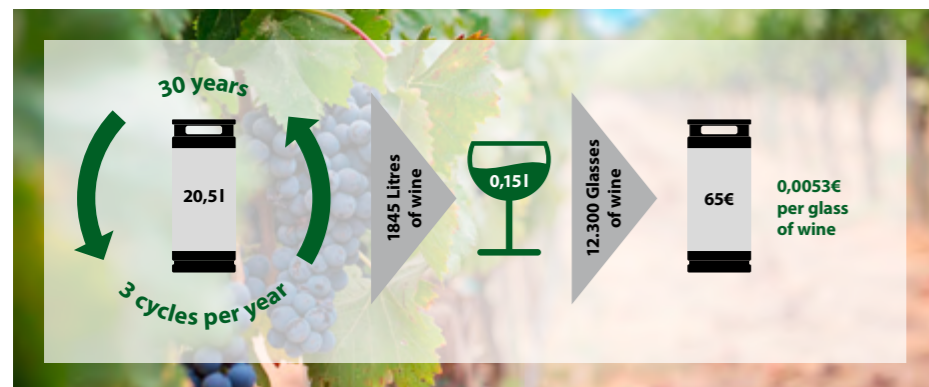
“**Year-round availability is very important to me. In addition, reusable KEGs are probably the most economical containers when considered over a period of years.**”

*Armando Serena,
President of the Montelvini Group*

wines. A nitrogen mixture prevents carbonisation from occurring. Furthermore, stainless steel does not react with acids or bases, nor does the material emit ions or particles. This is one reason why the properties of premium wines in stainless steel containers remain unchanged from the time of bottling until the container is completely empty.

“Year-round availability is very important to me. When others are unable to deliver, even during the season, our customers receive their wines as ordered, on time and in perfect condition. It goes without saying that our large range of kegs makes us particularly flexible when bottling and delivering new or customised products for our customers. In addition, reusable KEGs are probably the most economical containers when considered over a period of years,” says Armando Serena, President of the Montelvini Group.

Montelvini produces over 160,000 hectolitres of wine annually, of which approximately 100,000 hectolitres (60 per cent) are poured into SCHÄFER Junior PLUS KEGs.



Reusable KEGs are an economical and environmentally friendly solution in the long term

The catering industry in particular benefits from the advantages of small reusable kegs. Restaurateurs can switch from bottle to tap dispensing with ease. The use of a modern dispensing system enables exact portioning and billing. Losses due to glass breakage and broken bottles can therefore be greatly reduced.

Stainless steel KEGs reliably protect their contents from light and solar radiation. Moreover, kegs like the stackable PLUS KEG models are more efficient to store than bottles.



Empty KEGs are returned to the Montelvini Group via a deposit system. There they are cleaned, sterilised and filled again. Junior PLUS KEGs from 1987 are still in use at Montelvini today. According to Armando Serena, the packaging costs per glass of wine served amount to less than a cent. Consequently, reusable KEGs represent a decisive competitive advantage on the market.

The small footprint allows for a greater variety of beverages at the point of sale

Clean drinking water worldwide with a focus on sustainability

Wayout – Drinking water system for local production and distribution of mineral water using reusable stainless steel KEGs

The Swedish high-tech start-up Wayout wants to enable people all over the world to produce their own fresh mineral water locally. A decentralised water treatment plant has now been put into operation in Madagascar.

Wayout’s solar-powered microfactories treat water from any source. The purified water is mineralised and distributed in stainless steel containers. A micro plant treats up to 20,000 litres of water per day.

“Our engineers have designed the functionality to last for at least 30 years. This also corresponds to the average service life of the stainless steel KEGs used, which we have integrated into a circulation system,” explains Ulf Stenerhag, founder and managing director of Wayout.

SCHÄFER Container Systems supplied 250 slimline 10-litre ECO Junior KEGs for the project in Madagascar. The kegs are filled in the micro plant, taken to the water dispensers and placed on top of them. Cloud-based data analysis allows logistics to be optimised. Empty KEGs can be replaced in good time and returned to the microfactory. Reusable KEGs are an important competitive advantage in the beverage industry. Compared to disposable containers, stainless steel kegs save on harmful emissions.



The microfactory is powered by solar energy, reducing the carbon footprint of water production to zero

“As we see it, Wayout is the start of a much-needed revolution in sustainable drinking water treatment and the distribution of mineralised water,” says Guido Klinkhammer, Managing Director of SCHÄFER Container Systems.

Are you ready for another Summer's Tale?



At long last, Germany is playing host to another major football tournament: With the European Championships taking place from 14 June to 14 July, we can look forward to another fairytale summer – similar to the World Cup year of 2006. Public viewing festivals and pubs showing matches on big screens are likely to attract many fans again.

With our innovative container systems for beer, wine, soft drinks, juice or water, beverage supplies are guaranteed at the most exciting tournament of the year.

Our KEG portfolio at a glance:

- **ECO KEG** lightweight with top and bottom rings
- **PLUS KEG** fully or partially coated with premium branding
- **SUDEX stainless steel KEG** Proven quality made from 100% stainless steel
- **Party KEG** For a fun experience tapping at the table

After the thrill of the game, everyone needs to quench their thirst. With our **draft2go+ dispensing system**, you can provide further excitement after the final whistle and ensure a cool drink fresh from the keg at all times. draft2go+ is highly flexible and can be used anywhere – completely self-supporting without a power connection or CO₂ supply. The innovative system with integrated CO₂ chamber ensures consistently high dispensing quality, whether in confined spaces in the catering industry, for local use at events or for consumption at home by individuals or larger groups of fans.

Make sure you have sufficient capacity now for all requests when public viewing is back: "Make mine a cold one!"

Whether 10, 20, 30 or 50 litres, whether EURO or DIN: You will find the right product to suit your needs in our comprehensive KEG range. The choice is yours – whether you need just one or several thousand units: We supply you with the right products, whatever your needs.

Here for our customers on site

Successful trade fair appearances throughout Europe



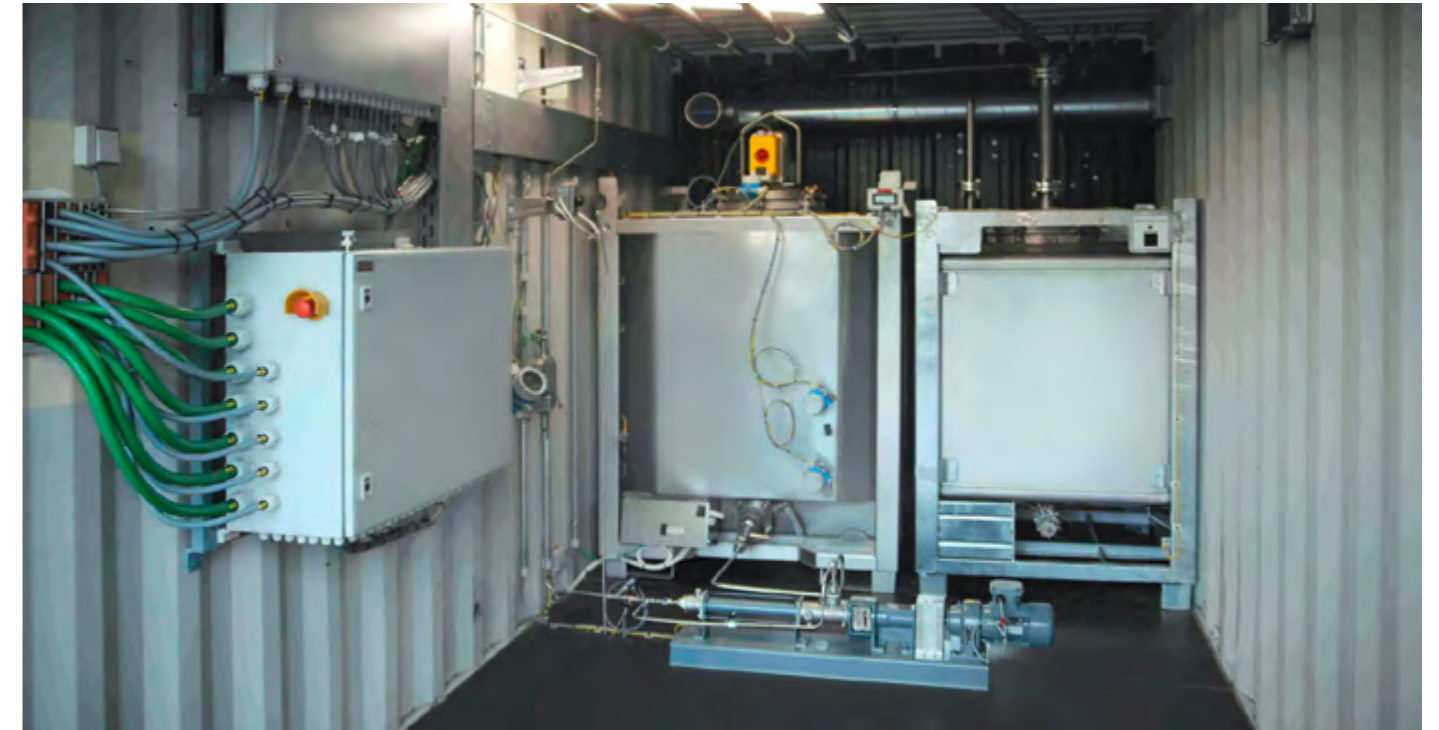
The SCHÄFER Container Systems trade fair team at BRAU BEVIALE 2023 in Nuremberg

In November, we welcomed over 300 trade visitors to our stand at the BRAU BEVIALE trade fair in Nuremberg. In addition to our wide range of KEGs, we exhibited an IBC with agitator and the digital heating control system (which was being presented for the first time), both of which generated great interest. Our beer sommelier served culinary delights from the Ruhr Valley, freshly tapped from our self-sufficient draft2go dispensing systems.

This year, we have also been on site for our customers at the Austro Vin trade fair in Tulln, Austria, BBTech in Rimini, Italy, BeerX in Liverpool, UK, and the Craft Brewers Conference in Las Vegas, USA.

Pioneering: Re-fuels produced using waste

Stainless steel IBCs enable the implementation of decentralised solutions



Waste oils are heated and kept at this temperature in the heatable "feedstock container" (left). On the right, the hydrocarbon fuels obtained are made available for use in another stainless steel IBC, the product container

NEXXOIL, a spin-off of the Hamburg University of Applied Sciences (HAW), has set itself the task of commercialising a patented technology for the production of liquid hydrocarbon fuels from organic waste on an industrial scale. The foundations for the next generation of waste-to-liquid products were researched at HAW Hamburg. Unlike electrofuels (e-fuels), which are produced using large amounts of energy, ReFuels (renewable fuels) can be produced using energy from organic waste. The process is carbon-neutral and uses stainless steel IBCs from SCHÄFER Container Systems at the beginning and end of the process chain.

In 2008, the Faculty of Life Sciences at HAW Hamburg achieved a technological breakthrough in the chemical core process. Subsequently, over a period of 15 years, the technology was developed from experimental batch operation into a continuous, self-sustaining process for industrial use. It's being commercialised by NEXXOIL.

An intermediate product obtained from raw materials (biomass, waste oils, food oils and waste machine oils) is heated and kept at a predefined temperature in the so-called "feedstock container". The container is a SCHÄFER RCB heating container with

a volume of 1000 litres and an agitator. The centrally arranged agitator serves to distribute the heat evenly in the IBC. The RCB 1000 has a significantly increased heating capacity of 3.5 kW. This increases the heating speed. As soon as the necessary temperature is reached in the heating container, the heated intermediate products are fed into the reactor for chemical material conversion via a pump with interposed auxiliary heating. If there is unwanted overpressure in the reactor, another stainless steel IBC acts as a so-called "blow-down container" in order to guarantee safety. The newly obtained fuels are made available for use in another IBC, the "product container".

Stainless steel as a guarantee of safety and durability

Only IBCs with hazardous goods approval are used as "blow-down containers" and as "product containers". A 1000-litre BTA tank container from SCHÄFER Container Systems is used in each case. The IBC for so-called medium-boiling components or middle distillates is stackable and is approved for metallic intermediate bulk containers according to the ADR, RID, IMDG Code and UN.

Why use stainless steel IBCs? These have increased robustness and first-class stability. Theoretically, the service life of stainless steel

IBCs is unlimited. In actual fact, they are often used for many decades. At the end of their life cycle, stainless steel IBCs have excellent recyclability. A high percentage can be completely recycled as often as desired without the material losing its excellent properties. In other words: "Metal recycles forever!"

The READi process can be used economically on a decentralised basis on a small scale, from around 2500 tonnes/year. The systems

can be operated safely on site, exactly where corresponding waste is produced. The target customers are medium-sized waste disposal companies and manufacturing companies that can use the systems to recycle their waste flows in an environmentally friendly and economically viable manner.

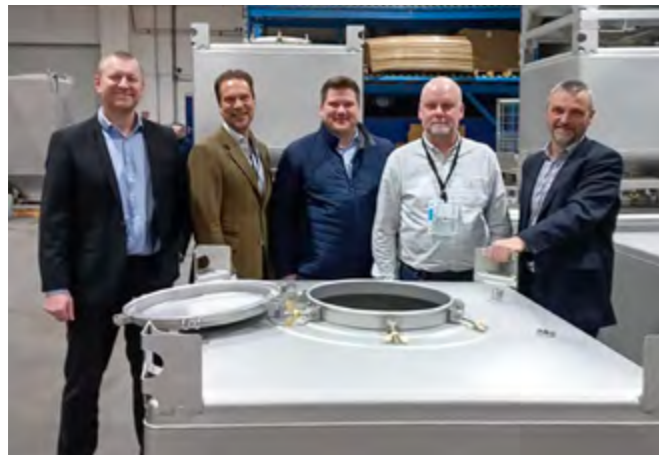
The focus of the project partners is to contribute to climate-neutral mobility as part of the energy revolution.

New commercial agencies in Sweden and the UK

Since August 2023, we have had a new local commercial agency in Sweden in the form of Roland Carlberg Processystem AB. This company specialises in powder and liquid technology and boasts experienced technicians who use their expertise to develop customised solutions quickly and efficiently.

The newly launched collaboration will provide contact partners who will make it much easier for Swedish customers to communicate in their own language. The team, headed by Johan Carlberg, is also happy to offer in-person consultation. The aim is to exploit the potential of the market there and to offer a better service.

With the company's many years of expertise in the field of process plants for powder and liquid handling, we have found an ideal partner for customised solutions.



Colleagues from Roland Carlberg Processystem AB during a visit to the SCHÄFER production facility in Ledec nad Sázavou, Czech Republic



We are here for you.
You can find your contact person here.



The PH Europe team at the handover in Birmingham

A strong, dynamic team in the UK

Demand for stainless steel IBCs in the UK has also increased in recent years. We want to keep journeys short for our customers and continue to be able to respond quickly to enquiries. That is why the PH Europe team will continue to look after the needs of our customers as our local representative.

PH Europe is a pan-European supplier of stainless steel packaging with whom we have enjoyed a good working relationship for many years. The company has now taken over the representation of SCHÄFER Container Systems IBC in Great Britain and Ireland. The dynamic team, led by James Astley, pursues sustainable strategies and has decades of experience in the packaging industry.

The two new commercial agencies now offer our customers the advantage of having just one local contact and receiving the products and services of SCHÄFER Container Systems IBC from a single source.

New ProSiebenSat.1 headquarter receives iQdata data centre



"New Campus" in Unterföhring gets data centre infrastructure from SCHÄFER IT-Systems

ProSiebenSat.1 Media SE, one of the leading entertainment and commerce providers in the German-speaking region, is gearing up for the future. As part of the large-scale construction project "New Campus", a future-oriented data centre is being built in Unterföhring, near Munich. A holistic system approach was chosen for the entire IT infrastructure in the new building. The contract was awarded to SCHÄFER IT-Systems. The infrastructure built includes two data centres and 50 data distribution rooms.

The main requirement was to design a future-proof infrastructure that could accommodate servers with different installation depths of up to 1400 mm, including future servers. A temporary interim data centre was set up at the start of the construction project, showcasing many components from the iQdata System product range and giving ProSiebenSat.1 a hands-on demonstration of the capabilities and functions.

The implemented concept includes 166 IS1 racks with BackCoolers as well as other products from Schäfer IT-Systems' iQdata range. In order to ensure efficient air ducting for cold and warm air, orderly cable

routing is indispensable. For this purpose, customised rack roofs were developed and installed by SCHÄFER. Cable management integrates both the internal and external cabling systems of the IT enclosures into a unified whole.

Essential cornerstones for long-term sustainability are environmental compatibility and energy efficiency.

Reinhard Dietl, Vice President Network Services at ProSiebenSat.1 Tech Solutions GmbH, said about the collaboration: "The requirements for an efficient IT infrastructure have increased significantly for our company. This includes not only topics in the area of computer services in a data centre, but also developments in the broadcasting area. The topic of 'Green IT' also played a major role in the development of the concept. SCHÄFER IT-Systems has proven itself to us as a strong, reliable partner and will continue to accompany us in the future."



Essential cornerstones for long-term sustainability are environmental compatibility and energy efficiency.

- 100% water-cooled IT components
- High flow temperatures of the cold water enable high efficiency of the power input
- Maximum energy efficiency due to passive heat transfer



Read the full article on our website.

Rack PDUs: Close cooperation agreed with Schleifenbauer Products BV



Guido Klinkhammer (Managing Director) and Thomas Wermke (Division Manager) of SCHÄFER IT-Systems seal the deal on the new cooperation agreement in the field of PDUs for intelligent data centres with Jos Janssen (Head of Sales & Marketing) and Jan de Haan (CEO) from Schleifenbauer Products BV (from left to right)

Power distribution units (PDUs) ensure a reliable power supply in data centres. In order to meet different user requirements, SCHÄFER IT-Systems has entered into a new cooperation agreement for the PDU area with Dutch manufacturer Schleifenbauer.

“We are delighted to have found a supplier in Schleifenbauer that is a perfect fit for our IT-Power product range and the demand for customised solutions,” explains Thomas Wermke, Division Manager at SCHÄFER IT-Systems. The well-known high product quality, the fast pace of innovation at Schleifenbauer and the mutual understanding of agile cooperation were the crucial factors when it came to concluding the cooperation agreement. Wermke further highlights: “The new partnership will enable us to expand our iQdata brand with market-driven products and tailored customer solutions.”

Jos Janssen, Division Manager at Schleifenbauer, shares his enthusiasm about the recently established partnership.



This partnership not only offers a synergistic approach, but also emphasises our shared commitment to flexibility and a focus on customers.

*Jos Janssen
Division Manager at Schleifenbauer*

He emphasises: “Our joint efforts with SCHÄFER IT-Systems pave the way for advanced and efficient solutions for data centres. [...] We are determined to further

improve the intelligent iQdata solutions. This partnership not only offers a synergistic approach, but also emphasises our shared commitment to flexibility and a focus on customers. We look forward to working together to develop a complete, innovative solution for data centres that will set the standard in the industry.”

Smart PDUs have additional network functions and intelligent control options in addition to a reliable power supply. They enable energy consumption to be monitored in real time and therefore fulfil the legal requirements of the German Energy Efficiency Act, among other things.

To mark the start of the cooperation, a new brochure has been published that presents the entire product range.

[Click here to download.](#)



Specialist optimises warehouse logistics with edge data centre

The new warehouse location of the EMW Steel Service Centre in Siegen-Weidenau covers 23,000 square metres with a capacity of 100,000 tonnes of steel sheet. SCHÄFER IT-Systems planned, installed and commissioned two customised, independently operating compact data centres for the complex logistics processes.

By using edge computing in logistics, companies can make quick decisions based on up-to-date data. For this reason, EMW equipped the decentralised data processing system for the large ware-

house in Siegen-Weidenau with two customised IS-1 cabinets from the SCHÄFER IT-Systems portfolio.

The system platform combines safety, ergonomics, interior fittings and air conditioning in one design. The servers and other electronic loads are connected to the IT rack PDU (power distribution unit) which takes over the distribution of power within the edge computing system. Continuous monitoring of the residual current allows faults to be detected in good time.

An active high-performance cooling unit, the IS-1 Slot-InCooler, is responsible for handling the waste heat. The power converted into thermal energy is transferred to the cooling medium, which in this case is water.

“We have set up a large warehouse with state-of-the-art technology in Siegen-Weidenau. The strictly synchronised process sequence is crucial to our success. When it comes to IT infrastructure, we rely on the expertise of SCHÄFER IT-Systems,” says Holger Latsch, Managing Director of EMW Stahl Service GmbH.



Two compact data centres with impact protection base based on IS-1 server cabinets from SCHÄFER IT-Systems' edge computing portfolio



Warehouse with heavy-duty crane system and rail connection at EMW Steel Service Centre's large warehouse in Siegen-Weidenau

Sustainable edge solutions made of wood

The use of wood as a renewable material offers a number of advantages in IT. When processed into chipboard panels, these panels have the ability to absorb and reduce sound waves. This significantly improves sound insulation in sensitive spaces. In addition, wood has a better carbon footprint than many other materials. Thanks to its flexible adaptability to existing office environments, the wood module from SCHÄFER IT-Systems is particularly suitable for offices and seminar rooms, doctors' surgeries and law firms or schools.





Industrial compact data centre for edge computing

KLEUSBERG receives a micro data centre solution from the Edge Data Center Programme from SCHÄFER IT-Systems

In addition to rising energy costs, companies are faced with the challenge of operating climate-friendly yet, at the same time, high-performance server rooms.

To meet the efficiency requirements, all components must be individually matched to each other. The family business KLEUSBERG has therefore opted for an edge computing data centre infrastructure from SCHÄFER IT-Systems.

Edge computing solutions have the potential to significantly reduce the energy footprint of our data society by optimising computing loads. German data centres consumed 16 billion kilowatt hours in 2020. The greatest energy demand is for the IT systems themselves, such as servers, storage systems and network modules.

In this context, the F-Gas Regulation will also bring about a change in the use of refrigerants for many data centre operators. They must be aware that refrigerants based on partly fluorinated hydrocarbons

(HFCs), especially those with a high global warming potential, will become increasingly less available on the market due to the HFC phase-down in accordance with the F-Gas Regulation. This has consequences for the reliability and thus the availability of data centres.

KLEUSBERG's former server room, with two open racks and room air conditioning in a re-purposed office space, no longer met today's requirements for a modern IT environment in terms of cooling and secure IT infrastructure. Among other things, this caused difficulties in IT compliance as well as in day-to-day operations with high data traffic.



Dennis Müller, Specialist Site Manager for the KLEUSBERG project and Bernhard Johannes Germann, Sales Project Manager at SCHÄFER IT-Systems

Read the full article
on our website



We are here for you: www.schaefer-it-systems.com

Experience product diversity first hand

SCHÄFER Office and Operating Equipment opens its first showroom



The wide range of SCHÄFER office (pictured below) and operating equipment (pictured above) can now be presented in the company's own showroom

With a huge range of options available, the SCHÄFER Office and Operating Equipment business unit covers the most diverse requirements for workstations in industry, commerce and trade. A new showroom in Betzdorf now makes it possible for the first time to present the wide range of products and the associated possibilities to interested customers and visitors alike.

Be it desks, office cabinets, mobile pedestals, or even material cabinets or workbenches, the office and operating equipment offered by SCHÄFER is known not only for its quality and durability, but also for the wide range of designs and equipment variants. Even a quick glance at the completely redesigned showroom will give an idea of the sheer diversity of the product portfolio.

Positive customer feedback

During a guided tour, customers can find out more about each of the items receive tailored advice. Displays and illustrations with explanations also provide information about the range. "The first customers we welcomed to the showroom were enthusiastic about the opportunity to see the wide range of products for themselves," explains Detlef Schilling, Division Manager of the Office and Operating Equipment business unit. "That means we can

clarify a lot of queries directly on site. In addition, the professional conversations gives us useful ideas for the further development of our product range." The new showroom will therefore be used extensively for customer visits and in-person consultations in the future.



We are here for you: www.schaefer-werke.com 19

Digital Rockstars: Highly successful event boosts excitement for the third instalment



The mySCHÄFER employee app sets a digital milestone and was named Digital Rockstar 2023

A genuine highlight of the 2023 event calendar was the Digital Rockstar Event, with more than 100 participants gathered at the Denkfabrik function centre in Bad Marienberg. The event was organised and run for the second time by schäfer BA, the SSI SCHÄFER digital community, the SCHÄFER WERKE Group and the SCHÄFER SHOP.

In addition to looking at the latest trends and digitalisation projects, this event always focuses on communication and dialogue. A wide range of different topics relating to the digital transformation were covered. It is the ideal event for anyone who is interested in these issues and would like to network with employees from the three corporate groups.



In addition to strengthening cross-group communication, the focus was also on highlighting internal digitalisation initiatives. During the pitching session, six project teams were able to present their digitalisation projects and bravely face the critical questions of the external jury.

Winner of the pitching session: The mySCHÄFER app

With "mySCHÄFER for everyone!", SCHÄFER WERKE submitted a project for barrier-free, internal corporate communication in the Agile and Visionary Methods category, which was achieved within just one year using the mySCHÄFER app.

Together with the mySCHÄFER team, the app was made available to all employees in an extremely agile manner within a very short period of time and therefore offers everyone – regardless of location – real added value through transparency, communication and interaction.

Digital Rockstars 2024 – Save the date!

This year we can look forward to a third Digital Rockstars Event, which will be held on Thursday, 24 October 2024 at the kulturWERKwissen event venue. This year, the 'Deep Dives' (in-person training courses lasting several days) are focusing on gaining agile methodological skills. You can already register for this and the initial warm-up sessions on the topics of AI, ChatGPT, design thinking and the advantages and disadvantages of using certain tools and artificial intelligence – and broaden your knowledge even during the run-up to the event.

We are very much looking forward to this great joint event being held for the third time, with artificial intelligence in the spotlight.

New concept for better health and well-being

A focus on promoting occupational health



Spinning to combat the winter blues until the weather improves and you can get out into nature



A strong team – even on the (indoor) pitch

Healthy and qualified employees are an essential component of success in business. An employee's performance is closely linked to his or her personal and professional suitability and well-being. SCHÄFER WERKE is focusing on this strong correlation more than ever – with a new concept and initial measures.

A new focus on classic issues

SCHÄFER WERKE has always given high priority to health and qualifications, whether in the form of a broad range of further training measures for employees, personal development meetings, clearly structured reintegration programmes or occupational safety measures. What was still missing was a place where all the strands could be brought together and coordinated in a standardised way.



Tips on nutrition are available at the workshop "Giving up diets – diet myths put to the test"

To this end, a new area was created in the HR department last year, which is responsible for personnel development and occupational health management projects. With the help of the concept developed, SCHÄFER WERKE is now in a position to initiate coordinated measures for the workforce and to promote and strengthen both the individual needs of employees with regard to their personal and professional development as well as their well-being.

Being active together – the initial measures are being implemented

In the past, individual issues relating to occupational health management were dealt with independently of each other. However, in order to take advantage of the existing interfaces, the "Arbeitskreis Gesundheit" (Health Working Group) was formed and meets regularly. The working group is made up of representatives from HR, occupational safety, the works council and technical experts.

In particular, the topic of occupational health promotion took centre stage at the beginning. The initial measures include the launch of sports groups, which are organised independently by SCHÄFER WERKE employees via the employee app. Since the beginning of the year, health workshops have also been offered in cooperation with the local plusApotheken pharmacies. The response has been extremely positive – not least because of the opportunity to establish contacts across departments.

New corporate videos for SCHÄFER WERKE

Click here to go to our YouTube channel



Experience SCHÄFER up close – with the new corporate videos from SCHÄFER WERKE.

Immerse yourself in our diverse business areas, extensive product portfolios and pioneering solutions. Pumping beats, exciting images and interesting voiceovers show what SCHÄFER WERKE is all about and why we are at the forefront of the processing industry.

Enjoy watching!



Working together for greater sustainability: ECOPROFIT® project launched



ECOPROFIT® is an innovative project, developed in Austria in 1991. It promotes a cooperative approach between the regional authority and local companies with the goal of reducing costs for waste, raw materials, water and energy.

We look forward to gaining fresh impetus by taking part in the workshops and individual consultations over the coming months. We are positive that the twelve-month project phase will provide us with plenty of new food for thought and enable us to establish appropriate measures.

Something of great interest in this regard is identifying potential savings in our companies and implementing these in

a coordinated fashion. A core objective of our business endeavours is to operate more sustainably, reduce costs and use resources more efficiently.

The continuous and targeted reduction of emissions is also key. Participating in the project fits in perfectly with our own sustainability strategy – our stated aim is to become climate-neutral by 2030.



We are delighted to be part of the ECOPROFIT® Siegen-Wittgenstein 2024/2025 project!

Tobias Bergert Sustainability Manager/CSR, SCHÄFER WERKE Group

Honouring our anniversary celebrants

Celebrating 25, 40 or even 50 years of service is a testament to outstanding cooperation and mutual appreciation



A work anniversary is a significant milestone in one's professional life. It is also a reason to celebrate, and a chance for the company to convey its thanks for the many years of loyalty and to recognise the service rendered. The anniversary celebrants came together in a convivial gathering, enjoying the opportunity to reminisce about the years gone by.

All those celebrating anniversaries have contributed to the success of the SCHÄFER WERKE Group through their hard work, experience and dedication. Each of the celebrants received a certificate and a gift as a token of appreciation.

Seventeen employees celebrated 25 years with the company and six can look back on 40 years at SCHÄFER. Inge Kautz joined SCHÄFER 50 years ago and has worked as

a management assistant ever since: "I love what I do and it still brings me joy."

The SCHÄFER WERKE Group is a value-based family business in which all employees enjoy an atmosphere of togetherness. We work together across generations and learn from each other. The more than 1,100 employees worldwide value the collaborative environment and personal development opportunities of an international group of companies.

... and our successful trainees

You did it! Our talented youngsters have completed their training with flying colours and can be extremely proud of themselves. We certainly are!

Many congratulations to our new professionals!

Over the past few years, they have not only acquired a wealth of specialist knowledge, but have also gained valuable life experience. Under the motto "IT'S YOUR WORK", each of them was able to grow and develop, and surpass themselves through their hard work.



SCHÄFER WERKE Group



Head office and plant, Neunkirchen (Germany)



Betzdorf plant (Germany)



Treuen plant (Germany)



OKS Iserlohn plant (Germany)



Ledeč nad Sázavou plant (Czech Republic)

Active worldwide with diversified business areas

At our state-of-the-art locations in Germany, the Czech Republic and the USA, more than 1,100 employees contribute to the success of the SCHÄFER WERKE Group every day. As a group of companies with over 85 years of experience in steel processing and headquartered in Neunkirchen in the Siegerland region, we are active worldwide with the diversified business units EMW Steel Service Centre, SCHÄFER Office and Operating Equipment, SCHÄFER Container Systems IBC, SCHÄFER Container Systems KEG, SCHÄFER IT-Systems and SCHÄFER Perforated Metal. Entrepreneurial spirit, market orientation and diversification have been the driving forces of our family business since its foundation. Outstanding product quality incorporating the latest technologies and close cooperation with our business partners are the basis of our success.

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