

dialog

02 2011

EMW

Automobile industry –
The future is our standard

Perforated Metal

Noise reduction – turning
it down

Container Systems

Two world champions visit
the leading innovators



SCHÄFER IT-Systems
Siegen University
backs Green IT for the
New Data Centre

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Dear readers,

in a few weeks, we will see the end of the year 2011, which, despite the gloom of the last few months, has brought the German economy and most industrial sectors strong average growth of 3%. In the meantime, however, conditions have changed dramatically!

The laxity with which almost all states have allowed huge deficits to develop and the Maastricht criteria to be undermined

in the Euro zone, is now taking its toll. The financial markets no longer believe the debt can be controlled and governments are resorting to increasingly questionable actions to stabilise the markets and defend the Euro zone. As this will inevitably involve hard austerity measures and budget cuts, all forecasts for 2012 predict clearly reduced growth and, in some countries, a painful recession.

After the downturn of the previous two years, we too, have experienced strong growth and have surpassed our pre-slump position in most sectors. Though currently neither our levels of order inquiries nor incoming orders show signs of any significant worsening of the economic situation, we must realistically expect the increasingly negative scenarios to have a detrimental effect on our business areas, too. This means tense times, great challenges, but also opportunities for you and for us!

As the year draws to a close, we express our sincere thanks to you for the trusting and successful business collaboration. And even though times may be about to get more difficult, we can still look to the future with a healthy dose of optimism.

I would like to wish you and your families a Happy Christmas and all the very best for the New Year!

Peter Bosbach
Managing Director

Imprint

Published by: SCHÄFER WERKE GMBH **Responsible:** Peter Bosbach, Sebastian Hilpisch, Christine Scholl

Editorial address: SCHÄFER WERKE GMBH, Pfannenbergstraße 1, D-57290 Neunkirchen

Telephone: +49 (0) 2735/787-01 **Telefax:** +49 (0) 2735/787-249 **E-Mail:** info@schaefer-werke.de **Internet:** www.schaefer-werke.de

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Trade fair review 2011 – Trade fair preview 2012

Successful attendance at 15 trade fairs

Trade fairs are among the most important marketing instruments business can utilize. The main reason why SCHÄFER WERKE attend trade fairs is to provide a common platform for communication, where information on products and services can be exchanged, with the focus squarely on making personal contacts in a pleasant atmosphere. Besides the important business objectives

- raising our profile,
- gaining new customers,
- presenting products and services,
- taking care of existing customers

SCHÄFER WERKE is very keen to gain information about the needs of their customers. If a company knows what is required, it will be able to continually improve its products accordingly and advance innovation. Trade fairs also enable business to underline their presence in their sectors and finally to reach their specific target group without any significant scatter loss.

The year 2012 opens with the leading technology show CeBIT in Hannover, at which SCHÄFER WERKE division IT-Systems will be presenting rack, cooling and enclosure solutions.



www.schaefer-werke.de

Looking back on 2011

EUROSHOP, The Global Retail Trade Fair, Düsseldorf, 26.02. - 02.03.2011

Z - Die Zuliefermesse, International Trade fair for parts, components, modules and technologies, Leipzig, 01.03. - 04.03.2011

CeBIT, the no. 1 market place for digital business, Hannover, 01.03. - 05.03.2011

IBD Convention, Uganda, 06.03. - 11.03.2011

WorldHostingDays, Rust (Europapark), 22.03. - 25.03.2011

CRAFT BREWERS CONFERENCE, San Francisco (USA), 23.03. - 26.03.2011

Future Thinking, No limits: Changing data centre technology
Technik Museum Sinsheim, 07.04.2011

INTERPACK, Processes and Packaging, Düsseldorf, 12.05. - 18.05.2011

EBC Congress, Glasgow, 22.05. - 26.05.2011

BLECHEXPO, International trade fair for sheet metal processing,
Stuttgart, 06.06. - 09.06.2011

METALFORUM, Exhibition for the metal working industry, Posen (PL), 14.06. - 17.06.2011

ISC, International Supercomputing Conference, Hamburg, 20.06. - 22.06.2011

JST Community 2011, Bremen, 29.09. - 30.09.2011

IT-SA, The IT Security Expo, Nuremberg, 11.10. - 13.10.2011

BRAU BEVIALE, Raw Materials – Technologies – Logistics – Marketing,
Nuremberg, 09.11. - 11.11.2011

Looking ahead to 2012



CeBIT
The no. 1 market place for digital business
Hannover, 06.03. - 10.03.2012



WorldHostingDays
Rust (Europapark),
20.03. - 23.03.2012



FUTURE THINKING
Networking, Expert talks,
Exhibition,
Sinsheim, 29.03.2012



METALFORUM
Exhibition for the metal working industry, Posen (PL),
29.05. - 01.06.2012



ISC
International Supercomputing Conference,
Hamburg, 17.06. - 21.06.2012



ACHEMA
World Exhibition Congress on Chemical Engineering, Environmental Protection and Biotechnology
Frankfurt/Main, 18.06. - 22.06.2012



IT-SA
The IT Security Expo, Nuremberg,
16.10. - 18.10.2012



EuroBLECH
The International Sheet Metal Working Technology Exhibition,
Hannover 23.10. - 27.10.2012



BRAU BEVIALE
Raw Materials – Technologies – Logistics – Marketing,
Nuremberg, 13.11. - 15.11.2012

University saves energy and money with SCHÄFER Data Centre Solutions

For its "New Data Centre", University of Siegen is backing Green IT. The centre will be environmentally friendly and cost-saving, thanks in no small measure to SCHÄFER IT-Systems' water-cooled server solutions that will guarantee energy-efficient cooling for all computers.



P. Wäsch, head of sales, SCHÄFER IT-Systems, L. Hofmann, working group on networks and communications, University of Siegen, D. Doormann, product manager, and T. Püschel, project manager, both SCHÄFER IT-Systems (l. to r.)

The existing Siegen University complex at the campus Hölderlinstraße dates back to 1974, which was also when the data centre was built. Since then, computer performance has grown so much that energy supply, cooling technology and fire protection systems have reached their limits.

For this reason, the University began building its "New Data Centre" in Hölderlinstraße in the summer of 2010. As part of the NRW state government's university modernisation programme, and with funding from the Federal government's economic stimulus package "Konjunkturpaket II", the new building was given a completely new infrastructure, including a combined heat-and-power plant, heat recovery system, chillers and facilities for uninterrupted power supply.

This data centre is an impressive example of "Green IT", or environmentally friendly information technology, meaning so much more than energy-saving computers. Siegen University's "New Data Centre" has a system for actually recycling the heat, which, as a side effect of server operation, can be re-



The 450 m² "New Data Centre" at University of Siegen

duced, but never eliminated completely. Supported by the SCHÄFER SP Racks and LOOPUS Side Coolers, which allow precision control of the warm and cold air flows, the heat from the servers is drawn off by a cooling system, which in turn gets its own cold energy from the heat generated by the combined heat-and-power plant (CHP) drive motor via an absorption chiller. Parallel to this, the CHP generator provides the power to operate the entire data centre, i.e. the technical facilities and the installed server cabinets plus contents. Once all faculties and other university institutions are operating their servers in the new data centre, as is planned, the CHP, in winter when the servers are cooled without outside air (free cooling), could provide the thermal energy to heat the entire campus Hölderlinstraße with the heat generated by the drive motor. The uni-



it-sa 2011

SCHÄFER IT-Systems presents energy efficient side cooler

The "LOOPUS" water-cooled row-based Side Cooler solution was presented by SCHÄFER IT-Systems at the IT security fair it-sa in Nuremberg in October 2011. At their shared 270 m² stand, the companies Stulz Klimatechnik, Wagner Group, E-Tec Power Management, Zeppelin Power Systems and Active Power demonstrated their expertise in all aspects of "Green IT" and data centre infrastructure, together with SCHÄFER IT-Systems.



LOOPUS: The technology in detail

Water-cooled server cabinet solution with side cooler: Closed Loop System

This Closed Loop System requires no enclosures. The side cooler is mounted directly next to the rack – or between two server racks which are closed at both front and rear. Cooled air is fed into the closed server rack through the air vent slits in the rack's side panels. The warm air given off by the servers is sucked in on the rack's rear side by the side cooler.

This circulating air is then cooled by a regulated cold-water heat exchanger and fed back into the rack over its entire height by 5 EC ventilators.

Benefits

- self-sufficient mini data centre
- very high heat load dissipation per rack, up to 30 kW
- can be used in combination with classical cooling solutions
- highest levels of space and energy efficiency
- high availability and reliability due to redundancy
- scalable, modular design, robust

versity could then expect cost reductions of around 300,000 euros a year.

The "green data centre" is the first of its kind at a German university and the fact that SCHÄFER IT-Systems won the contract in an

open bid is proof of the extensive expertise the specialists for data centre infrastructure can offer. Together with its partner enterprises, Stulz, Gaul, Servertech, EMKA, SiBAtec and Wagner, SCHÄFER IT-Systems was also responsible for delivery, installation and the

functionality testing of all facilities, including water supply connections, multiple socket outlets, electrical distributors and early warning fire detection systems in the racks. It is already becoming clear that Siegen University's innovative data centre will be a valuable reference project for SCHÄFER IT-Systems. There are currently various inquiries from cluster manufacturers who would like to work with SCHÄFER IT-Systems as their partner in upgrading high-performance data centres similar to the project in Siegen.



www.schaefer-it-systems.de

64th International Automobile Exhibition (IAA) in 2011 – The future is our standard

Almost 1 million visitors attended the 2011 IAA Frankfurt motor show in September under the official slogan of “Zukunft serienmäßig” – “The future is our standard”. For the first time, there was a separate hall exclusively focussing on electric vehicles.

98 world premiers were presented at this year's International Automobile Exhibition, more innovations than ever before. The presentation of new electric cars is meanwhile standard IAA procedure. The automobile industry is adapting to current trends, as, according to a new survey, two-thirds of Germans now say they could well imagine driving an e-car. The German government also aims to have a million electric cars on the country's roads by 2020 and six million by 2030. Consequently, this technology will significantly increase in importance in the coming years.

But despite the fact that progress in the automobile industry means that these cars produce lower emissions and use less fuel, it will become clear in a few years that they will also need a completely new form of body work and design to reduce weight and save energy. Up to now, people have only considered the fact that electric cars have a different drive system. It will soon become clear that suppliers dealing with designs in aluminium and ultra light steels will occupy a field of great strategic importance for the future. The companies already working on lightweight design will be the ones to profit from the electric car.

Keeping up with new technologies

What remains is the question of the effects this trend will have on small and medium-sized business in Germany. These firms will have to be ready to develop innovative strategies in line with big business trends and look into ways of making their own contributions in the future. Keeping up with new technologies is absolutely vital and failure to do so would have serious consequences for the entire industry. Specialising in the wrong field now may prove to be a serious mistake. Companies supplying pistons or axles could lose their entire business within a few years. Their place would be taken by completely unexpected compa-

nies that have had very little or nothing to do with car construction so far, but may have key competences that can benefit vehicle manufacturing in the future.

Steel in the automotive industry

By far the best development potential with regard to achieving lightweight construction by using ultra high-strength materials can be seen in steel. Lighter vehicles mean further reductions in fuel consumption. So, here, the focus is on the car body, which makes up

about a quarter of a vehicle's total weight. The innovative application of ultra-high strength steels is required when increasing demands on vehicle safety standards and environmental compatibility need to be fulfilled. The results speak for themselves. Ultra light car bodies weigh up to 25 % less, have improved structural features, 20 % fewer components, 30 % fewer weld points and can be manufactured without any additional costs.

So-called multiphase steels in particular take on great significance when it comes to weight reduction. They combine extreme strength, high formability and an excellent energy absorption capability, while enabling significant advances in structural behaviour and vehicle safety. In accidents, the deformation caused by impact increases the rigidity of these steels significantly, enabling them to absorb more energy. They are now being used in the small car sector, contributing to the protection of passengers in the event of an accident. Even stronger are the new manganese-boron alloyed steels, which are increasingly being used in principle structural elements and safety relevant components, such as B-pillars, door sills, centre tunnels and roof frames as well as in the firewall area.

EMW – the strong partner of the automotive industry

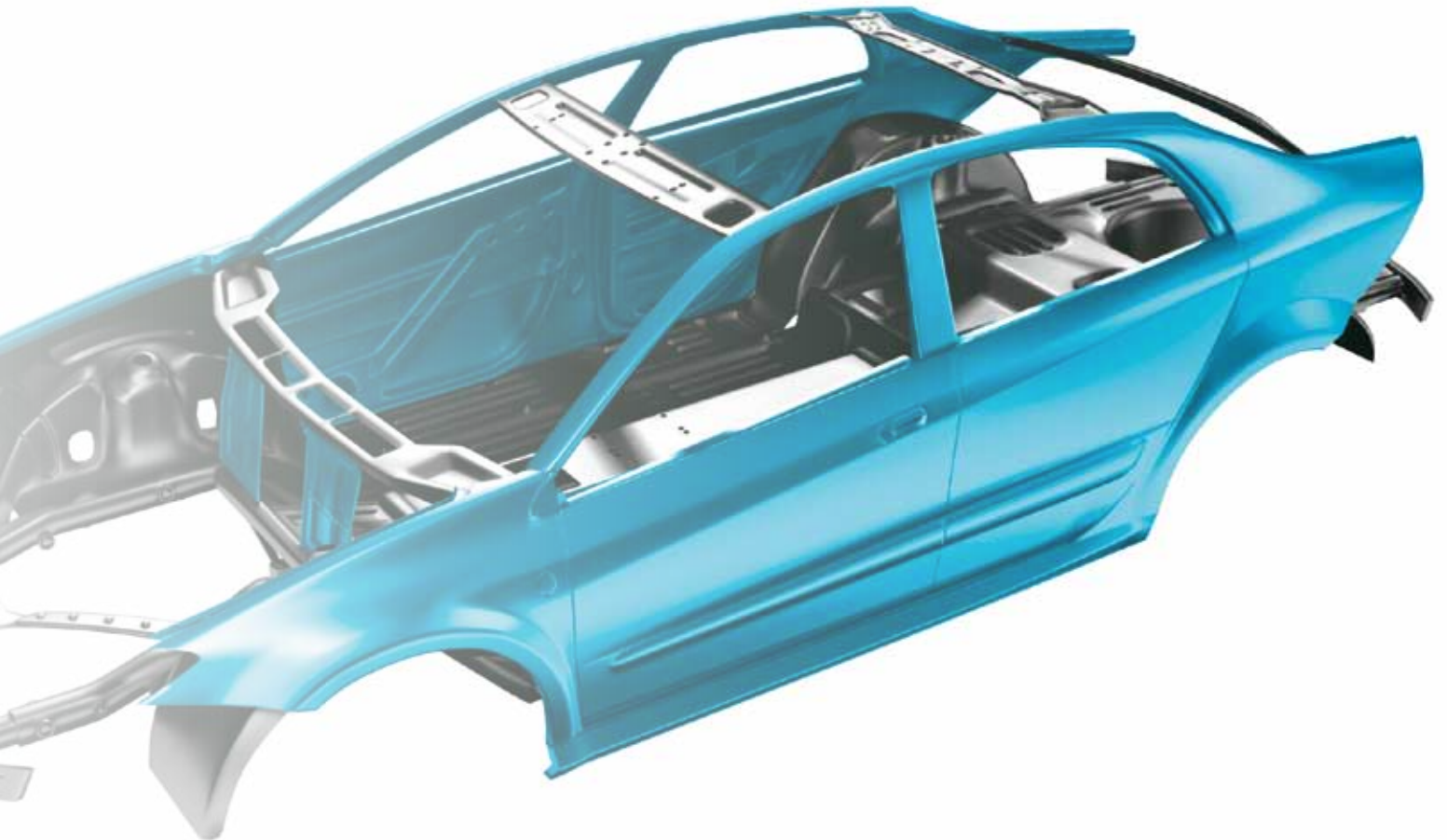
For many years, EMW has been a highly efficient partner for Germany's most important economic factor – the car industry. The material supplied by EMW to the automobile industry and its suppliers is extensive. Very few independent steel service centres can deliver such a wide range of different sheet metals and steel products to this industry. In car manufacturing, steel is still the primary material. To meet the growing demand, EMW now has 5 slitting lines designed for processing coils of up to 32 tons and high

We're always there!

To be constantly up-to-date with future trends, the EMW business area primarily attends fairs for the automobile and supplier industries. In 2011, the “Z - Zuliefermesse”, the international trade fair for parts, components, modules and technologies in Leipzig, the “Blechexpo” international trade fair for sheet metal processing in Stuttgart and the “Metalforum” in Posen were the focal points for discussing metal processing expertise and keeping an eye on the markets.

In 2012 the industry's major trade fair, “EuroBLECH”, is being held in Hannover, which EMW will be attending to secure its technological advantage through know-how and a passion for innovation.





strength steels, automobile and standard grades in widths of up to 1,850 mm, thicknesses of 4.50 mm and tensile strengths of up to 1,200 N/mm². EMW purchases the great majority of the steel in

stock from Europe's leading steel producers, while maintaining excellent business relations to well-known steel manufacturers outside Europe. This enables EMW to reap the benefits of purchasing on the global market.

Quality management according to ISO/TS 16949:2009

Automotive suppliers are subject to stringent controls. To meet the growing requirements in the quality field, EMW's quality management was certified in accordance with ISO/TS 16949:2009.

Demands placed on automobiles will continue to increase in the future and when it comes to realising ever more efficient components and systems without increasing costs, designers will be able to rely on the efficiency of steel in future, too. This is because the development potential of steel is by no means exhausted yet.

So, how much "EMW" is there in your car?

 www.emw-stahlservice.de

Overview of high-strength steels

Material concept	Properties	Areas of application
Ultra-high strength IF steels	Used for very difficult drawn parts with high degrees of stretch and deep-drawing strain	Inner door panels, side panels, wings, wheel arches
Ultra-high strength stretch-forming steels	Used for components with flat curved stretch-formed parts	Doors, hoods, roofs, boot lids
Bake-hardening steels and phosphor-alloyed steels, micro-alloyed ultra-high strength steels	Used for difficult deep drawn parts and for structurally and crash relevant parts	Doors external, bonnets, roofs, boot lids
Dual-phase steels	Used for wheels and difficult structural parts as well as for stretch formed external parts with especially high dent resistance	Structural parts, side and cross members, doors, roofs boot lids
Retained austenite steels	Used for structural parts with an especially high energy absorption capacity	Pillars, side and cross members
Complex phase steels and martensite phase steels	Used for parts which are particularly crash relevant	Pillars, side impact beams, bumpers

For resolving the conflict between developing cars that are safe and comfortable yet at the same time environmentally compatible, steel is and will continue to be the number 1 material.

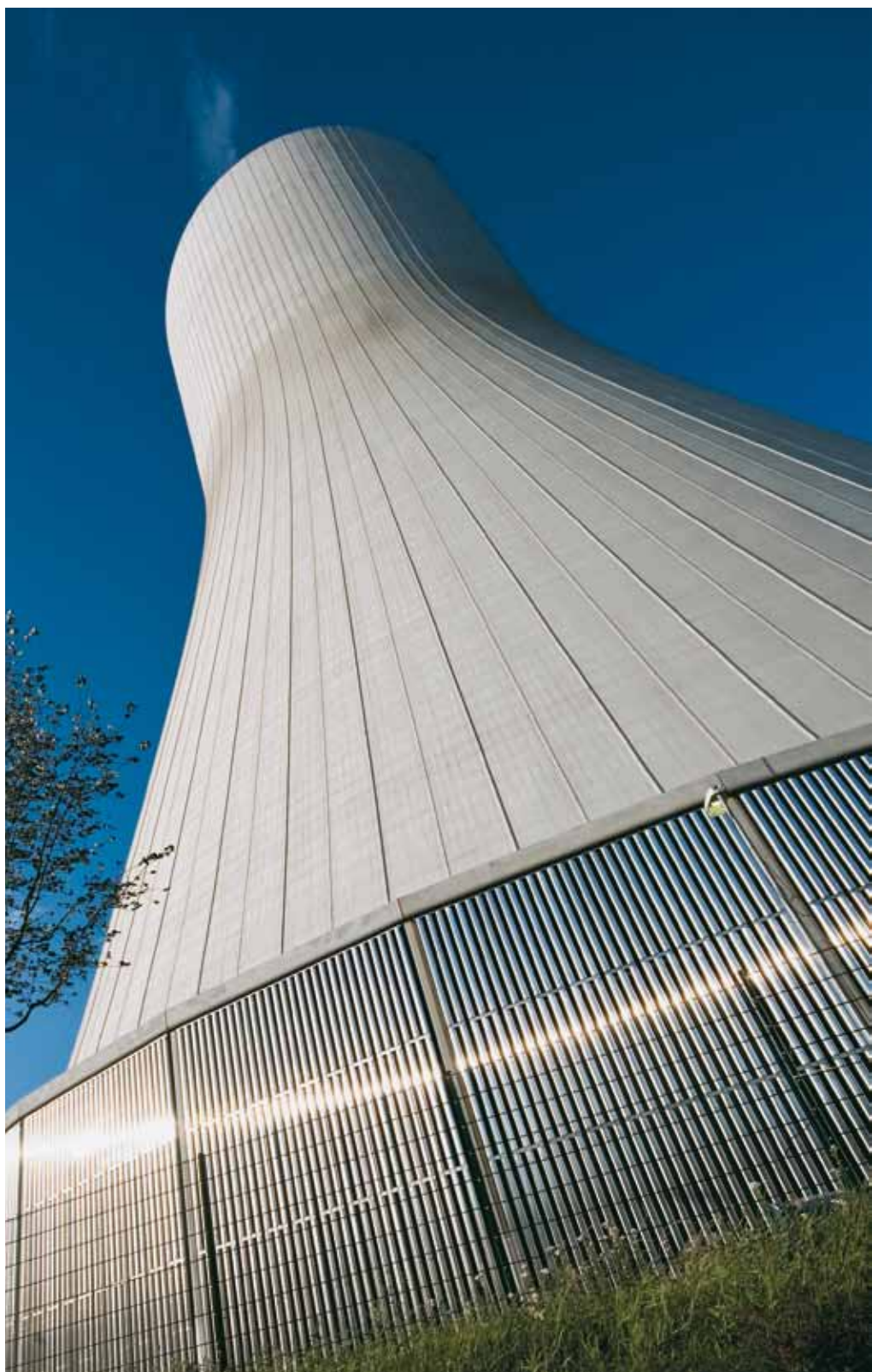
Noise reduction – turning it down

“Whisper” cooling towers are an active contribution to environmental protection. Noise reduction screens can be found wherever high noise levels are produced. As structural elements, perforated metal sheets play an important role in reducing noise.

■ Many sound deadening materials, like acoustic mineral wool are soft and malleable, so when used in noise reducing structures, they need a solid framework, which is often made of perforated metal sheets. They are not only easy to shape and mount, but also allow each specific screen to be given the chosen acoustic design.

Leading international manufacturers of noise reduction components, like the technical noise protection systems from KAEFER Industrie GmbH, repeatedly use SCHÄFER perforated metal plates for their highly specialised solutions – the latest example being the 1,160 noise reduction screens in the 11 metre high, 500 metre long circular noise reduction wall around the cooling tower at the new power plant block in the Walsum district of Duisburg. The entire construction required a total of 45 tons of mineral wool and 15,000 square metres of SCHÄFER perforated metal sheets. For their production, around 100 tons of aluminium were needed.

The 181 metre high towers are part of a power plant belonging to energy company Evonik. The 750 megawatt block not only generates electricity, but also district heat and process steam, which, following the cogeneration principle, will be used to generate heat needed for industrial processes.



Noise reducing screens in use



The screens' design, developed by KAEFER for the new construction, was tested for functionality in the aerodynamics laboratory at Aachen University of Technology (RWTH) ahead of installation.



www.schaefer-lochbleche.de

A change at the top for SCHÄFER Perforated Metal



SCHÄFER Perforated Metal came into being in 1980 with the launch of perforated metal sheet production at the Pfannenberg site. Mr. Seidel has been responsible for the development and success of this division since he joined the company in 1983. He transformed a "one-man-department" into an ambitious and high-selling division with over 50 employees.

At the end of November, after 28 years of responsibility and success, Mr. Seidel retired. His successor, Mr. Marcus Düber, took over responsibility for the management at Perforated Metal from December 2011.

Mr. Düber began at SCHÄFER WERKE on July 1st, 2003 as a management assistant, moving on later to finances and controlling, before he came to the Perforated Metal Division in early 2010. Here, he worked in sales and distribution, dealing with strategic and key-account tasks. In Marcus Düber, we have a man with management experience in various sectors to follow in Seidel's footsteps.

We would like to thank Mr. Seidel for his very successful management of this division and his great commitment, and wish him all the very best for his well-earned retirement.

We also wish Mr. Düber every success for the new task ahead.

Two world champions visit the KEG sector's leading innovator

At the 2011 Brau Bevale in Nuremberg, SCHÄFER Container Systems, were able to welcome not just one but two world champions to their 180 m² stand. Former skiing world champion and double Olympic gold medallist Markus Wasmeier and Karl Schiffner, the first beer sommelier world champion.



■ The Brau Bevale is the world's most important investment goods fair for the beverages industry. With over 1,300 exhibitors and more than 32,000 visitors, the fair once again underlined the industry's innovation and strong growth. From 9th to 11th of November, everything in the Nuremberg exhibition centre revolved around the latest developments and trends in the production and marketing of beer, soft drinks, water & co. This year, too, SCHÄFER Container Systems was once again present with an inviting stand decorated in line with the new corporate identity. Numerous new products and solutions for breweries and restaurateurs were on show, all intended to improve

the processes dealing with the transport, logistics, dispensing and marketing of fresh draught beer. The intensive talks and discussions with brewery customers gave rise to a host of new product ideas whose market acceptance can be put to the test in the near future. SCHÄFER is one of the market leaders for polyurethane-coated and partly coated KEGs as well as for classical stainless steel KEGs. The company has a wide range for every beverage, which facilitates marketing in far-away countries, too.

Besides KEG systems, SCHÄFER can also offer its customers equipment for all needs, market oriented design solutions and elaborate

logistics concepts. For SCHÄFER Container Systems, the Brau Bevale was an interesting and successful fair and the date for next year is already booked.

Beer sommelier world champion Karl Schiffner: highlights for the connoisseurs

In addition to product presentations, attention was focussed on one other highlight this year. With the help of the first beer sommelier world champion Karl Schiffner, customers were able to experience the great variety beer can offer in a blind tasting event. Together with the testers, Mr. Schiffner proved that for every beer flavour, there was



Even if world champions, M. Wasmeier and K. Schiffner, and leading innovator SCHÄFER are at home in completely different fields, they all have one thing in common – a passion for beer!

a meal to go with it, that ideally highlighted the particular beer aroma. As a culturally conscious connoisseur, he was also able to impress stand visitors with his inexhaustible knowledge of beer – ranging from its history and how it's made, to different types and varieties, right up to dispensing methods and even sensor technology!



www.schaefer-container-systems.de
www.biergasthaus.at



Sales manager U. Herzog, managing director P. Bosbach and M. Wasmeier (l. to r.)

Markus Wasmeier exchanges skis for brewing kettle

The open air museum belonging to the multiple Olympian is an invitation to be impressed, to spend time relaxing and to brew beer. With great passion and attention to details, historical buildings in Schliersee have been brought back to life.

Beer was brewed by the ancient Egyptians. Beer, brewed according to the German purity law, has been known since 1516. Besides traditional handicrafts, like cobbling and felting, Markus Wasmeier also allows visitors to his farmhouse and winter sport museum to cast a glance at the art of beer brewing. In the "Bierschöpf" Brewery, beer is still brewed in the old traditional way, as it was 300 years ago and can then be sampled and enjoyed in the old-style Bavarian tavern next door.

The great popularity and the growing demand for this special brew led to Mr. Wasmeier and his brewer inquiring about the possibilities of filling their noble "juice of the barley" in SCHÄFER KEGs. With their PLUS KEG, SCHÄFER demonstrated the numerous possibilities for handling draught beer easily and building the brand. The polyurethane-coated container combines all the main benefits in one KEG: perfect technology, safe handling, noise reducing and protective PU coating, tested safety and all other pre-conditions for a strong brand.

In addition to the standard black PU coating, SCHÄFER also supplies its customers with PLUS KEGs in different colours and with individual logos or lettering. This ensures attractive branding for your draught beer right down the supply chain and contributes constantly to your added brand value in pubs and restaurants, too.



www.wasmeier.de



Schliersee Farm and Winter Sports Museum



Propane-fuelled fire engulfs containers from below



Stainless steel and combination IBC filled with ethanol before the fire test



The metal design survived. All that remains of the combination IBC is the cage

It's a hot one

Fire tests at the BAM (Federal institute for materials research and testing):

Stainless steel IBC prove their impressive durability, stability and safety.

■ To find out exactly how long a stainless steel IBC will stand up to flames in the event of a fire, the BAM was commissioned by the "Stainless Steel Container Association", a specialist technical unit from the German Metal Packaging Association (Verband Metallverpackungen e.V.), to carry out comparative trials between 1,000 litre IBC made of stainless steel and those consisting of a metal framework with an inner plastic container (combination IBC).

The trials were to test the IBC's stability as well as the effectiveness of any pressure relief devices on the containers over a period of 30 minutes, without using any sprinklers. Both a cylindrical and a cube-shaped version of the metal containers were used.

For the test, all containers were half filled with ethanol and subjected to a propane fuelled fire from below. The results were very different. Once the burners were ignited, it only took 18 seconds for the combination IBC's inner plastic container to start melting at the bottom corner, leading to the contents leaking out completely in a very short time.

In the metal containers, pressure and temperature rose very quickly. The ventilation device on the cube-shaped container reacted after 1 min. 20 seconds. The release of pressure caused the flame to penetrate the container and ignite the ethanol-air mixture, which immediately caused the pressure to rise. This could then be released safely via the ventilation device.

On the cylindrical IBC, the fuse reacted after 6:45 minutes and the seal on the manhole cover was burnt. Safe pressure release was guaranteed throughout the entire test. Due to the seal burning, there were leaks around the drain valve, though these were described in the BAM report as being negligible.

In summary, we can say that the stainless steel IBC survived the 30-minute fire test without bursting and consequently can offer users the highest level of safety.

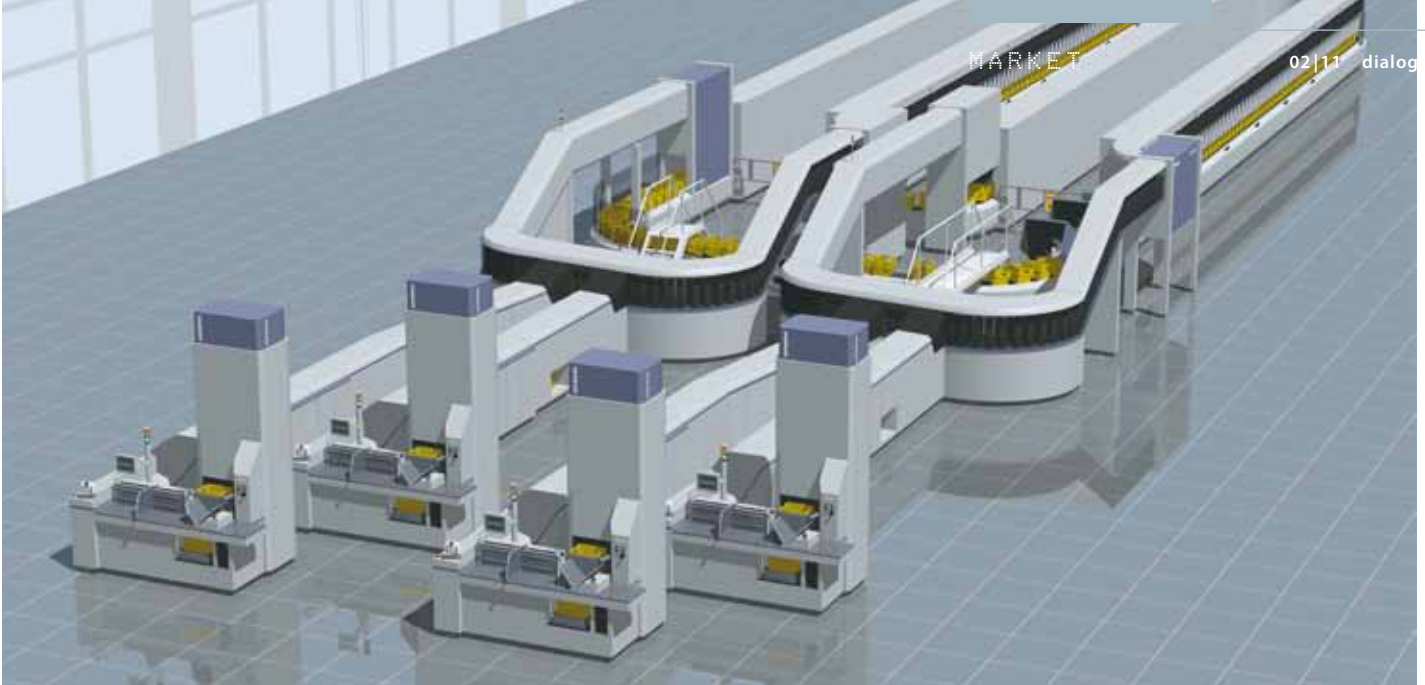


www.schaefer-container-systems.de

Equipment and accessories for IBC

IBC can be equipped according to customer wishes and needs for any individual application. For this purpose, we have a wide range of additional equipment and replacement parts available.





Complex solutions for postal sorting lines

In 2011, SCHÄFER Industrial Solutions appeared together with SCHÄFER Perforated Metal and EMW for the first time at the BLECHEXPO in Stuttgart. The still new division was able to highlight its expertise and competence with a large-scale project for Siemens AG.

■ ■ Siemens AG is the world's leading manufacturer of automatic letter and parcel sorting equipment. Highly automated processes and state-of-the-art identification of mail items (fingerprint technology) enable the handling of up to 500,000 units a day, while ensuring the careful treatment of letters. Return items and the manual work they cause are reduced to a minimum. To protect this sensitive technology, a series of enclosures and cladding elements are needed. For a new large-scale order to supply the Deutsche Post AG with OMS type sorting machines (Open Mail Sorting machine),

SCHÄFER Industrial Solutions supplied Siemens with over 11,000 units of cladding in thin steel sheet, aluminium and stainless steel. Over 600 individual components and 240 assemblies provided the basis for 75 different types of cladding sets. Apart from the production of the actual metal parts, the process also involved complex assembling procedures, which included the installation of pre-assembled components, from roller shutters, locking and damper systems to control units. All stages of the value chain, from punching-bending, punching-nibbling, edging and laser techniques, as well as

welding and powder-coating could be provided at SCHÄFER's Betzdorf site, thanks to the highly efficient machinery and extensive know-how.

A two-year lead time that was used for specific investments in machines, tools and qualified personnel, constructive optimisation of the cladding, establishment of new suppliers partnerships and the construction of a product-specific assembly line laid the foundations for the successful start of this project. The joint development of a packaging and logistics concept, continuous improvement of processes, design to cost measures as well as stringent quality controls guaranteed the smooth running of the entire operation as well as the punctual delivery of the goods to the Siemens site in Konstanz.

The new SCHÄFER division, which has been assessed by customers and classified as a preferred supplier, is currently coordinating deliveries for follow-up orders in 2012 together with Siemens AG. Further projects with Siemens in the field of airport logistics are under preparation.

Tailored solutions made of metal

As a systems supplier for industry, SCHÄFER Industrial Solutions develops, designs and manufactures customized press-bent parts, machine cladding, special and standard housing solutions and complex metal assemblies. SCHÄFER Industrial Solutions is a division of the owner-led SCHÄFER Group of Companies based in Neunkirchen in the Siegerland region of Germany. The work of all other SCHÄFER WERKE divisions – SCHÄFER IT-Systems, SCHÄFER Interior Systems, SCHÄFER Container Systems, SCHÄFER Perforated Metal and EMW Steel Service Center – is

based on high-quality fine steel sheet. The processing of this material is one of the core competencies of this enterprise.

More information?
www.schaefer-industriegehaeuse.de



8th Siegerland AOK Company Fun Run – 5th successful participation

■ This year, 35 runners from SCHÄFER WERKE took part in the 8th Siegerland AOK Company Fun Run. The biggest race event in Siegen-Wittgenstein once again attracted masses of spectators. A total of 7,774 sportsmen and women ran the 5.5 km course. After about 17 minutes, while the last competitors were still standing closely packed together at the start, the first athletes were turning

into the home straight. The fastest runner from SCHÄFER WERKE was once again Manuel Dehnst, who sped across the finishing line in 19 min. 45 sec. in 16th place overall, closely followed by his colleagues and experienced runners Henning Schlabach and Rüdiger Boller. In the team race, these three came 11th in a field of 700 teams.



Our team STEEL RUNNER



Manuel Dehnst approaching the finish

Healthy staff – healthy business

■ Investing in the health of your staff is an investment in the future of your business. Only those who are physically and mentally fit can perform efficiently and work under pressure over long periods. People guarantee success, but they can develop their full potential in the best of health. Work-related posture problems or repetitive movements can lead to muscular disorders that may go unnoticed at first, simply because human beings have the capacity to compensate disturbances in the musculoskeletal system. But once 80 % of these compensatory mechanisms are used up,



pain is inevitable. To prevent this occurring, we will soon be providing various leaflets offering valuable tips on the following topics:

- **“It’s my back, doctor”**
Back pain – a condition with many facets
- **Overcoming stress**
(preventing burnout)
- **Preventing heart disease**
- **Yoga**
- **Learning to eat a healthy diet**



Training supervisors W. Weber, R. Braun and managing partner Mrs. Beate Schäfer-Henrichs with the new trainees

Vocational training at SCHÄFER

Starting a new career at SCHÄFERWERKE in Neunkirchen

The SCHÄFERWERKE training supervisors welcomed the new trainees at the Pfannenbergs site in Neunkirchen on 1st August 2011.

8 industrial and 6 commercial trainees plus one student doing a dual studies course in mechanical engineering are given an insight into all the different facets of an industrial company and will eventually gain one of 8 different (industrial and commercial) vocational training qualifications. There are currently 47 trainees employed at SCHÄFERWERKE.

Successful trainees looking to the future with open eyes and confidence!

From the left: Nicole Druschowitsch, Kristian Munder, Linda Katzenberger, Björn Weiß, Barbara Claus, Thomas Stekla, Dennis Kreutz

Based on a specially developed training concept, a broad range of skills and knowledge are taught intensively and each individual trainee is supported and fostered according to their own particular talents. The young people's training is also backed up by a number of other measures: in-company training, intensive personal mentoring and special preparation courses for examinations. It is also thanks to these measures that SCHÄFER WERKE trainees have been achieving above-average examination results for many years, creating a platform for the success of their own careers.

Congratulations on passing your examinations

Passing a final examination is a great success. However, now is not the time for resting on one's laurels, but a time to use this motivation to launch yourself into the next stage of your life, and make a success of your professional career.

The current shortage of skills means that great opportunities lie ahead for those starting their careers. All 7 "ex" trainees achieved above average results in their final examinations.



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