



TEKOPOST

Issue 25 | February 2024





Dear Readers,

It is with great pleasure that we present to you the latest issue of our TEKOPost. After a short break we are back and appear in a new design that meets the pulse of the times.

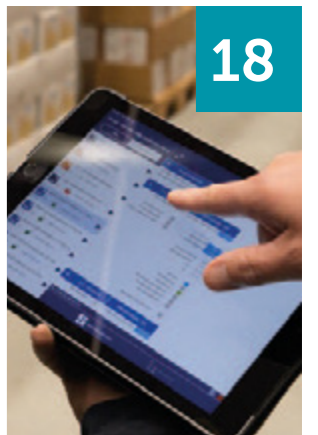
Our goal was not only to make the magazine visually fresher, but also to make the content even more informative and interesting. Because we do not only want to give you an insight into our products and services, we also want to show you current trends and developments and let you immerse yourself in the world of TEKO.

In this issue you will find exciting articles about innovative solutions for the refrigeration industry, an expert interview and a review of our recent events.

We hope you enjoy reading!


Edgar Holzhäuser


Andreas Meier



Altenstädter Kältetage

A review of the 11th Kältetagen in Altenstadt. A cold chamber allows visitors to freeze.

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More than 200 TEKO employees are celebrating a successful conclusion of the year in Altenstadt.

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11th Altenstädter Kältetage 2023:

Visitors were able to gain practical insights and new experiences.



For the eleventh time, we proudly hosted the Altenstädter Kältetage on our company premises on September 13th and 14th, 2023. Over 300 participants from all over Europe attended and enriched the event with their expertise and enthusiasm. In particular, the visit to the new tube processing center was a highlight this year and was met with great enthusiasm by our visitors, as were the production tours.

Topic areas with detailed information from Wurm

Visitors had the opportunity to learn more about the **rECOBx SYSTEM** at Wurm's topic area, which facilitates the modernization of existing projects for customers. The system has been extensively tested and is pre-configured, including a detailed circuit diagram and clear installation instructions.

Visit to a whole-body cryogenic chamber

Entering a cryogenic chamber with temperatures of up to -120°C? What may sound crazy at first, visitors of the Kältetage were able to experience live. Cold therapy helps with various ailments – that is no secret. The patented cryogenic chamber from **Druschke**, with the refrigeration unit manufactured by **TEKO**, was entered under supervision and interested individuals wore special hand and ear protection.

Four expert lectures captured full attention

The topic areas were only empty during the expert lectures. Experts gave talks on **How Winners Think – How Great Successes Become Possible Under Difficult Circumstances** | **Intelligent Power Regulation of CO₂ Rack Units – Requirements, Possibilities and Design** as well as **Knowledge Graphs as Infrastructure for Innovative AI Applications**. Also impressive was the lecture by Trevor Matthews, the Refrigeration Mentor, who captivated the audience with his topic **Trends, Challenges, and Training for a Sustainable Cooling Future**.



Visitor Comments

For me, the new pipe processing center with the state-of-the-art laser and bending machines was extremely impressive. The precision and efficiency of these machines impressed me and demonstrate the innovative power of TEKO.

Hendrine Kalkman | Frimex Installatie B.V.



During my stay in Altenstadt, I was particularly impressed by the fact that not only did I get a comprehensive overview of the product world, but I also had the opportunity to take a look behind the scenes. The chance to network and exchange ideas with other professionals was a great foundation for new contacts and valuable information.

Mario Karner | ZT Karner

The atmosphere in Altenstadt was excellent. We were well taken care of, so we felt completely comfortable.

Sascha Behrendt | Wurm GmbH & Co. KG



The lectures were well attended. My personal highlight was the keynote speaker Steffen Kirchner, who spoke on the topic „How Winners Think – How Great Successes Become Possible Under Difficult Circumstances.“

Thorsten Buddenbohm | Josef Große Kracht GmbH & Co. KG

It's great that TEKO provided me with the platform to act as a Refrigeration Mentor on the topic „Trends, Challenges, and Training for a Sustainable Cooling Future.“

I also had the opportunity to learn about the latest developments. My definite highlight was FridgiWise by Seco¹. In my opinion, it is a groundbreaking technology.

Trevor Matthews | Refrigeration Mentor

It was very interesting to see the ROXSTA product range. I was fascinated by the possibilities that can be implemented in the field of refrigeration technology with CO₂. It is impressive to see how innovative solutions are being developed that are not only efficient and powerful, but also environmentally friendly.

Mathias Meier | Heinz Moritz GmbH



¹ More information about FridgiWise on page 20.

Between Innovation and Implementation: An Interview with Rolf Schmidt – Energy Efficiency Manager of the REWE Group.

Rolf Schmidt is a dedicated visionary who is committed to actively shaping the future. He has successfully leveraged his extensive experience and network in the field of refrigeration technology to collaborate with companies **Wurm GmbH & Co. KG Elektronische Systeme** and **TEKO Gesellschaft für Kältetechnik mbH** to not only develop innovative ideas, but also to implement them into successful products. To provide us with insight into their years of collaboration, the Energy Efficiency Manager has granted us an interview in which he discusses his experiences working together.

TEKO: Good day, we have the pleasure of speaking with Mr. Schmidt today, who works as an Energy Efficiency Manager at the REWE Group. Welcome, Mr. Schmidt!

Schmidt: Thank you very much, I am pleased to be here.

TEKO: To get started right away, could you please explain to us what your role as Energy Efficiency Manager at the REWE Group entails and when you started the collaboration with Wurm GmbH?

Schmidt: Of course. As an Energy Efficiency Manager at the REWE Group, it is my responsibility to develop and implement measures to increase energy efficiency in our stores and logistics centers. This includes monitoring energy consumption, identifying potential savings, implementing efficiency measures, and training employees on energy management. Developing concepts in the field of refrigeration and building control technology is one of the key aspects of my role. The concept I developed

adheres to national regulations and is mandatory for implementation.

I have been working for the current REWE Group since 1987. The first contact between REWE, TEKO, and Wurm was established in 1988, just a year later. Meetings with Peter Wurm, the managing director of Wurm, and Christoph Bänfer, who was in sales management at TEKO at the time, led to the creation of designs for fault displays and LED indicators, which represented the initial steps in electronics in refrigeration technology.

TEKO: So, you have been using Wurm control technology from the beginning?

Schmidt: It was clear to me early on that the collaboration with Peter Wurm was something special and that his company continues to play a pioneering role in refrigeration technology. From my perspective, Wurm offers its customers unique services, whether it be in development or commissioning. Several factors speak for our collaboration, such as the software offerings from the

FRIGODATA family - which, to my knowledge, are unique in the industry - or Wurm's high quality standards, with their electronics development and production based in Germany.

TEKO: What do you see as the biggest advantages of using Wurm solutions and services in your company, and what are the main differences compared to competitors in the field of control electronics?

“ Worm is a Pioneer in the field of data transmission

Schmidt: Wurm can undoubtedly be considered a pioneer in the field of remote data transmission and control. One reason why we chose Wurm. While many manufacturers now offer online platforms for data analysis, Wurm stands out from others due to its clear structures. To give you an example: Many manufacturers allow for free sensor assignment at



“ The long-standing collaboration and joint development have achieved impressive results

the control device. While this may seem flexible at first glance, it often leads to chaos in the evaluation process afterwards. In the Wurm system, the essential sensors (e.g. supply and return air) are always connected to the same terminal. This allows for a reliable, fast, and transparent evaluation with the **FRIGODATA ONLINE** software.

REWE is able to process, analyze, and qualify large amounts of data remotely at any time. This enables us to not only analyze a single project in detail but also compare project quantities across all projects involved and obtain an overall view of the energy balance of each store. With around 3,800 REWE

stores within the REWE Group, remote data transmission technology is therefore a top priority for us.

TEKO: How do you assess data security at Wurm? In your opinion, what are the advantages?

Schmidt: When it comes to data security, Wurm also takes its own approach. It all starts with the fact that Wurm does not store „our“ data on any externally hosted cloud servers, but operates its own redundant data centers in Remscheid, whose access security for unauthorized persons – both internally and externally – meets the highest security requirements. Security requirements that we as

operators can define together with our IT experts. This instills extreme confidence, as everything is in our own hands and there are no security vulnerabilities caused by third parties, as with comparable „cloud applications“. We rely on VPN data lines between the REWE Group and Wurm. Data communication is securely carried out through an encrypted 1:n tunnel between our two companies, to which we can quickly, easily, and securely connect each new store. For our external service providers, such as building or refrigeration technology service companies, Wurm provides separate proxy servers for remote access, ensuring access for the service providers once the

new store has been integrated into the REWE Group's store network. All authorized persons of our service providers are maintained with their authorization roles in a separate security center. Users are registered in the security center via an app called **OneID**, behind which lies the identity (name, company, permissions) of the individuals. This ensures that only the currently responsible service provider has access to the data and projects and gives us at REWE Group the flexibility and independence to choose the appropriate service provider for each project. The OneID app also offers additional possibilities, such as secure access via mobile devices to data from FRIGODATA ONLINE, Infocenter, and other applications.

In all these years, I am not aware of any cases of data misuse resulting in material damage. The management of project ID and password security is handled by Wurm and allows for a quick and easy change of responsible service provider, making it a unique feature. Additionally, there is regular information and knowledge exchange regarding data security, availability, and speed between Wurm and our REWE IT department.

TEKO: How does Wurm support you in implementing energy management? (DIN ISO 50001)

Schmidt: Energy and resource management are central tasks today. At REWE, it is important to always know the energy consumption and usage in our projects. Thanks to the GTM **energy measuring box rECOBox**, we can monitor

the consumption of heating energy, electrical energy, and water. This allows us to develop long-term plans and take immediate action when needed. To bring the technology in our existing projects up to date, we have the option to directly replace old devices with new ones. This means that a quick and cost-effective exchange is always possible. I am not aware of any other provider offering comparable retrofit packages.

The comprehensive digital documentation of all collected data provides additional value in terms of transparency requirements and understandability. Thanks to the close cooperation with Wurm, we were able to successfully implement the requirements of the REWE Group. The data evaluation is user-friendly based on clear tables, allowing us to immediately identify which cooling points, for example, have low efficiency.

“ The brainstorming sessions in Remscheid are priceless

TEKO: When it comes to refrigeration technology, the term „refrigerant monitoring“ is often heard. What exactly does this mean and why is it important?

Schmidt: Refrigerant monitoring refers to the monitoring and control of refrigerants in refrigeration systems. Refrigerants are

chemical substances used in refrigeration systems to absorb and dissipate heat. Due to the harmful impact of synthetic refrigerants on the atmosphere, it is important to monitor every movement of refrigerants online. This allows REWE to detect leaks early and document the status over the entire lifecycle of the system. For several years now, only climate-neutral refrigerants have been used in new installations, but there is still a large stock of chemical refrigerants in use.

TEKO: I see. How does Wurm support you in this matter?

Schmidt: With modern monitoring systems that continuously monitor the refrigerant level and pressure, and sound an alarm in case of deviations.

A joint hotline from Wurm and TEKO provides us with additional support.

TEKO: What developments do you wish for in the field of control electronics in the coming years?

Schmidt: One development that I wish for in the field of control electronics in the coming years is the expansion of Artificial Intelligence (AI). This could be achieved through preset algorithms for CO₂ systems, enabling automated controller settings. This could improve system performance and at the same time address the shortage of skilled refrigeration technicians. Given the importance of the skills shortage, I hope that there will be a sufficient number of qualified professionals available in the future.



The Wurm Group is a leading provider of automation systems for refrigeration systems and technical building management in retail in Germany and Europe.

The company, founded in 1872 and based in Remscheid, employs around 300 people. Wurm is a pioneer in the field of data transmission and is still considered a leader in this area. The group is successful with locations in Germany, Switzerland, Austria, and the Benelux countries.



TEKO: Thank you very much, Mr. Schmidt. It has been a pleasure to hear your insights from the field of refrigeration technology.

Schmidt: Thank you for the nice conversation. In conclusion, I would like to express my heartfelt thanks to Wurm and TEKO. The long-standing collaboration and joint development of control technology solutions have achieved impressive results. The close cooperation between the companies has made it possible to develop tailored solutions for us.

Even though I will soon be retiring, I am confident that the partnership will continue to be successful.

About

After completing his studies in Energy and Heat Technology at the FH Gießen-Friedberg from 1979 to 1983, Rolf Schmidt completed his basic military service.

He then began his career at Weiss Umwelttechnik in Reiskirchen, where he worked from 1984 to 1986. In 1987, he joined RHG Leibbrand oHG, which was later fully acquired by the REWE Group. Since then, he has been a valued member of the company.

In 2023, Rolf Schmidt plans to enter partial retirement in order to gradually transition into retirement while still making his expertise available.

ROXSTAsmart:

Innovative technology for the refrigeration systems.



Plant safety:

TEKO has developed the TECO₂nditioner. This is installed to protect the compressor from damage and significantly extend its lifespan. The technology ensures that the compressor's suction temperatures are reduced and kept constant, preventing the oil used for lubricating the compressor from getting too hot. Compared to the commonly used air cooling, this solution is more energy-efficient and space-saving. Another major advantage of the TECO₂nditioner is the preservation of performance from heat recovery, which would otherwise be released into the environment when using an air-cooled reheater. TEKO's patented technology significantly reduces CO₂ emissions.

Energy efficiency:

In the ROXSTAsmart, TEKO optionally offers a parallel compressor that increases efficiency and reduces consumption by about 12 % per year compared to the standard version, depending on environmental conditions. TEKO has recognized the international market's need for this technology, especially in regions with high ambient temperatures, and has successfully responded to it.

Ease of maintenance:

„The ROXSTAsmart not only offers our customers an efficient energy-saving solution but also improved ease of maintenance,“ explains product manager Patricc Schierbaum. „With this innovative improvement, we provide our customers with numerous benefits that greatly facilitate machine operation and maintenance.“

When installing a new CO₂ system, many refrigeration engineers face the problem of piping leading out of various parts of the machine. TEKO will now install the pipes in one direction (upwards). This results in several advantages: Simplified machine installation, a smaller distance to the wall due to upward pipe alignment allowing for a more space-saving positioning of the ROXSTAsmart in the room. Additionally, during maintenance and repair work, technicians can easily access individual components without having to navigate around pipes.

Longevity:

„During the design planning of the ROXSTAsmart, more space was intentionally left between individual components to simplify service and maintenance tasks,“ reports Patricc Schierbaum. If technicians previously struggled to remove a component such as a liquid filter or coalescence cartridge, quick access is now possible due to increased spacing between components. Another benefit: faster maintenance leads to reduced service costs.

With the new features of the ROXSTAsmart, TEKO has developed innovations in refrigeration systems that meet demanding requirements for improved serviceability, plant safety, longevity, and increased energy efficiency. The ROXSTAsmart thus offers a forward-thinking solution for refrigeration engineering companies and their customers.



For detailed technical information and details about our CO₂ products, we recommend consulting our brochure.



The logo for TEKO, featuring a stylized blue flower-like symbol to the left of the word "TEKO" in a bold, blue, sans-serif font.

**NEW PIPE PROCESSING
CENTER IN ALTENSTADT:**

TEKO IS EQUIPPED WITH THE
LATEST TECHNOLOGY.





In conversation with Alexander Wirsching, technical manager (left) and Christopher Müller, production manager (right).

We are pleased to have a conversation with Mr. Wirsching and Mr. Müller, both of whom were significantly involved in the establishment of the new pipe processing center in Altenstadt. In this exciting feature, we gain insights into the planning and implementation of the project as well as the challenges and successes associated with it.

TEKO: Hello Mr. Wirsching, hello Mr. Müller! Can you please explain to us the reasons for the construction of the new pipe processing center?

Müller: The development of the new pipe processing center was driven by several factors. An important motivation was to improve our delivery reliability, as we were facing difficulties in meeting deadlines due to lack of capacity in pipe processing without significant effort. With the new pipe processing

center, we can now ensure that our processes run smoothly and our customers receive their orders on time. Additionally, the existing bending machines have been in operation for 10 and 13 years. By expanding with two new additional bending machines, we can both ensure our production capability and expand our capacities. Another aspect was the shortage of skilled workers, which we wanted to address through automation. By automating pipe processing, we can compensate for

the lack of availability of qualified personnel and make pipe processing more efficient. This enables us to offer our customers high-quality products while also overcoming the challenges of skilled labor shortages. Automation allows us to reassign our existing employees to other areas where their skills and expertise can be utilized more effectively. This contributes to the long-term stability and competitiveness of our company.

TEKO: What opportunities does the pipe processing center now offer?

Wirsching: As before, we can cut copper pipes from 6 to 64 mm in length with a circular saw and bend them up to a pipe length of 3 m with the two „old“ CNC-controlled bending machines. Holes, cutouts, or bevel cuts on or in the pipe are implemented manually on the bent pipe. We have added a CNC bending machine for pipes from 22 to 90 mm for up to 4.5 m in length. Automation is enabled by a pipe laser with a linked bending cell. Pipes from 12 to 42 mm can be automatically cut to length, „drilled“, labeled, transported, cleaned, and bent. Additionally, the pipe laser can process almost any metallic extruded profile up to 150 mm edge length. We have

paid close attention to being able to manufacture pipes for our products of the next and subsequent generations.

“ We take pride in offering our customers an improved service through cutting-edge technology.

TEKO: How long did it take to implement the project from the initial idea to the presentation of the new production facility?

Wirsching: Initial discussions with potential suppliers took place in June 2021. After many discussions regarding functionality and design, various selection steps, and as time progressed, the automated machinery park was already installed, commissioned, and handed over to us for testing by September 1, 2023. This allowed us to present our state-of-the-art production facility in operation to visitors during the 11th Altenstädter Kältetage.

The final acceptance then took place on November 22, 2023. This milestone marks the completion of the project and the implementation of the idea of an improved pipe processing center in just over two years. It not only demonstrates our



The new tube laser...



... at work.

determination but also the commitment of our team to expand our production capacities and continue delivering top-quality products.

TEKO: How many people were involved in the project?

Wirsching: On the TEKO side, a group of four people were involved in the project.

In addition to myself as project manager, Christopher Müller (for production), Felix Brosch (for machine technology), and Viktor Schilling (for software integration) were part of the core team. Also worth mentioning are countless colleagues who contributed to the success of the project through dedicated support. My heartfelt thanks to everyone involved in this significant project. The hard work and dedication made the fast realization possible.

system installation, prefabricated and bent pipe elements offer significant advantages. A major benefit is that the use of prefabricated pipe elements simplifies and speeds up the pipe installation process. Instead of using individual fittings and manually adjusting them, prefabricated elements can be directly integrated into the installation. This not only saves time but also reduces material costs.

Another advantage is the improvement in work quality. By using prefabricated pipe elements, laborious cutting and soldering work on-site are eliminated. This minimizes the risk of errors or leaks and enhances overall quality. Additionally, our machinery has high repeatability, ensuring precise fitting and significantly facilitating assembly both

on-site and in our plant manufacturing.

In the near future, TEKO will expand its offering to include prefabricated pipes specifically designed for gas-carrying risers.

These pipes provide our customers with additional solutions and possibilities in the field of pipe processing.

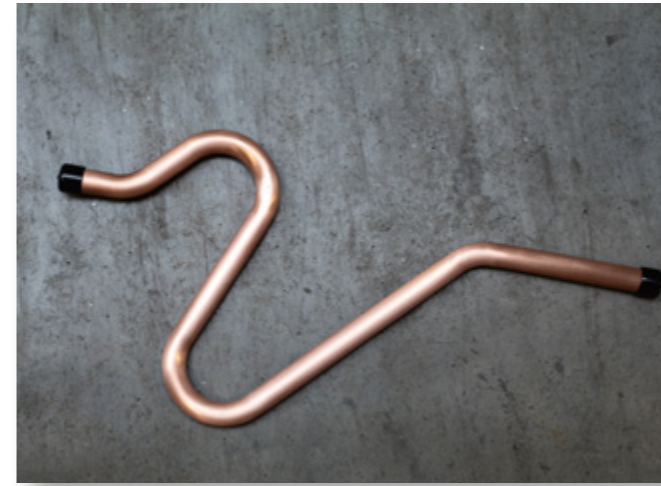
We will continue to report on the developments of the pipe processing center in upcoming issues of TEKOPOST. It remains exciting to see what new innovations and successes await us ...

... to be continued!

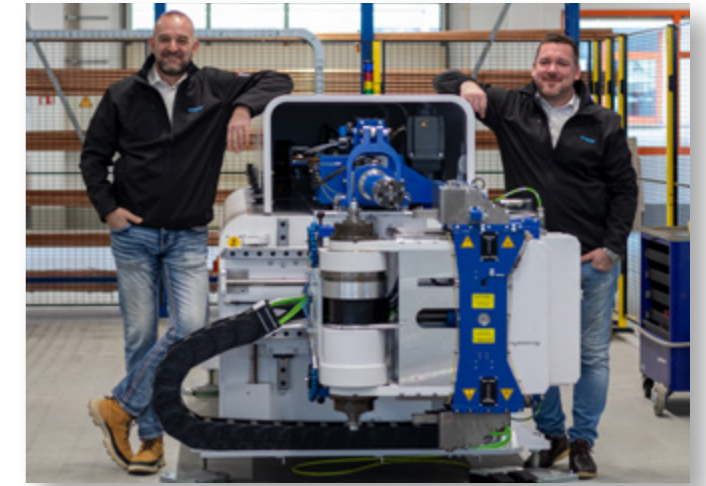
“ A thank you to all who were involved in this meaningful project.”

TEKO: What benefits can customers expect from the implementation of the new pipe processing center? Are there now products in the range that TEKO could not offer before?

Müller: Through our pipe processing center, our customers can expect several benefits that support efficiency and time savings. Particularly in the area of refrigeration



One-piece oil pump bend for easier installation.



The new all-electric right/left pipe bending machine.

FACTS:

- No fittings and significantly fewer joints
- High precision and accuracy in tube processing
- Fewer solder joints (up to -80 %)
- Low risk of leakage
- Faster installation
- Higher operational safety
- Consistent execution every time

Concentrated technical know-how on 7,000 square metres:

Successful industry project by good cooperation.



Together with partners **Mur Conditioning** and **TEKO, Wurm** has once again successfully realised a major project in the Netherlands. For the new distribution centre of the renowned hotel chain Van der Valk, the entire system for refrigeration and building technology has been developed, produced, and implemented at site. The partners had already equipped a spectacular new hotel building for Van der Valk in Amsterdam.

The dimensions of the new project are impressive indeed. The distribution centre covers an area of 7000 square metres in order to optimally supply the 75 Van der Valk hotels and restaurants in the Netherlands and its neighbouring countries. It is quite clear that only the best technology and leading expertise will suffice!

Energy efficiency and sustainability play an important role at Van der Valk. For this reason, it has been decided to use a sustainable, redundantly designed refrigeration system with the natural refrigerant CO₂, energy-efficient, transcritical compressors by Bitzer and the innovative control system by Wurm.

Van der Valk focus on a complete system solution that enables different components to interact together and not just to work alongside each other. The realisation required a thorough advance coordination process, in the course of which the wishes of Van der Valk and the ideas and solutions of the partners of MUR, Teko and Wurm were combined.

As a consequence, the LT and MT warehouse is supplied by two powerful compressor racks – **ROXSTA G6** from TEKO – with a remarkable capacity of **twice 215 kW/ MT** and **twice 115 kW/ LT**.



Extracted heat is used for office heating in the storage centre through an implemented heat recovery system. An innovative ventilation control ensures that the air quality is good and heat does not escape.

To continuously control and monitor the entire complex in an optimal manner and to be able to adjust settings from outside, Van der Valk trusts in Wurm's remote data transmission and FRIGOLINK system. Temperatures and alarms are shown in the new Fiora app. The FRIGODATA ONLINE platform provides a detailed HACCP overview and temperature documentation every day. MUR technicians can analyse the plant remotely using the self-explaining Frida app. As a result, many on-site-operations and climate-damaging car journeys can be avoided.

The long-standing partners' technology has been running smoothly since the commissioning of the distribution centre. The end customer Van der Valk is very satisfied with the system.

The huge project for Van der Valk has proved once again how important a coordinated and trustful cooperation of experienced partners is for an optimal overall result that is future-orientated and adjustable in the long term.

Together with their long-standing partners Teko and MUR, Bitzer and Wurm (in a company group) provide high competence, the best quality, and experience from thousands of successful projects.

As leading providers in the retail and industry sector, the partners will continue to work together for a refrigeration and building technology that focuses on energy-efficiency and environment protection.

„As a family company, we chose the partners because we know from previous projects that they are reliable partners for our cooling and freezing needs. The components installed are of top quality and comprise good monitoring solutions. This enables us to immediately take action if necessary.“

Article from the Wurm magazine
"FreshUp 02/2023"



Seco's FridgiWise module:

Innovative solution for refrigerated plug-in cabinets.

Seco has been providing service for plug-in cabinets for more than two decades. In recent years, the company has observed the increasing use of plug-in cabinets for cooling high-end products, such as sushi. To better coordinate the more than 2 million chests in service and the 200 service technicians in operation, Seco has taken on the challenge of developing a suitable solution.

Seco's research focused on understanding the causes of problems in plug-in cabinets. Through numerous field trials with different customer groups, Seco collected millions of data points to be centrally and automatically evaluated. Special attention was paid to the condenser, which plays a central role in malfunctions when dirty. Through comprehensive analysis of behavior and the development of measurement methods, Seco was able to identify anomalies to anticipate potential issues in advance. The result is the new **FridgiWise module**. The module measures power consumption and analyzes the switching behavior of each individual plug-in cabinets, transmitting the data to the corresponding software.

An intelligent algorithm assesses the degree of dirtiness and other anomalies based on operating time and power consumption, determining the optimal time for preventive cleaning. The status of each refrigerated display case can be viewed at any time via an app on a mobile device or through a browser on a computer. The intelligent algorithm not only detects dirtiness through increased power consumption but also provides insights into the quality of cleaning work performed. Through the app, users also have year-round access to energy consumption data and associated total costs.

For Seco as a service provider, this offers a significant advantage. Notifications for upcoming cleanings can be integrated into service planning. The service technician is on site to perform maintenance work in supermarkets exactly when needed, rather than during stressful peak seasons due to equipment failures.

Worth knowing: Targeted cleaning of condensers in plug-in cabinets prevents overloads, extends lifespan, increases efficiency, and reduces power consumption. This not only leads to cost savings but also minimizes product losses. Seco's FridgiWise module is thus a valuable tool for optimizing operations and cost efficiency. Through initial field trials with renowned international operators, TEKO can confirm its effectiveness.

In Germany and Austria, the module is sold by Seco under the name **Eh-Da**.

If interested, please contact Maurice Robinson (International Markets).



Maurice Robinson
 Mobile: +49 151 126 96402
 Telefon: +49 (0) 60 47 / 96 30-250
 E-Mail: m.robinson@teko-gmbh.com



What's on!?

Your trade fair guide for 2024.



23-26
APRIL

Nordbygg
Stockholm 2024
Hall A | Booth A16:52



08-10
OCTOBER

Chillventa
Nuremberg 2024
Booth 6-310 | 6-410



19-21
NOVEMBER

SIFA EUROEXPO
LYON 2024
Hall C53



NOVEMBER

ATMOsphere Europe
Summit 2024

We welcome ...

... New employees at TEKO..



**Frauke Förster |
Head of Financial Accounting**

My „office self“ in five words:

**HELPFUL | TEAMPLAYER
SERVICE ORIENTED
AUTHENTIC | AMBITIOUS**

I am Frauke Förster and have been a member of the TEKO team since spring 2023. My professional career began with training as an industrial clerk, and over the years, I have completed additional training as a certified accountant (IHK) and controller (IHK).

In my nearly 40-year career, I have worked in various trade and production companies with different structures and sizes. I have mastered numerous challenges along the way. Accountants are often said to be „bean counters,“ but that is definitely not true for me! However, we do have to comply with several tax laws, and the tax office does not joke around about it. Therefore, in a company, among colleagues, customers, and suppliers, one does not always make „friends“ when imposing various requirements. But I always focus on the theme of „clarification,“ which has generally been well received at my previous positions.

At TEKO, I want to contribute my previous experiences and understand all internal processes to work efficiently and advance the company. If anyone is curious about what I do outside of work, they can feel free to approach me - I have some entertaining anecdotes ready!



**Walter Poloni |
Project Management**

My „office self“ in five words:

**COMMUNICATIVE | TEAMPLAYER
STRUCTURED | GOAL-ORIENTED
ENTREPRENEURIAL THINKING**

Hello, my name is Walter Poloni and I came to TEKO through a professional reorientation. My motto is: „**There is only one direction - always forward, never backward.**“

In my previous career, I have worked in various leadership positions

and gained a lot of experience, including as head of technical purchasing, work preparation, and key account project

management. I have also conducted technical acceptances and coordinated projects and orders. My professional skills include process analysis, process optimization, leading workshops, moderating meetings, as well as mediation and conflict resolution. Additionally, I am fluent in Italian and English.

At TEKO, I want to shape structures because where there are structures, there are paths. Furthermore, I want to share my knowledge and skills because one is successful when making others successful.

Besides work, I am interested in photography and chess.



**Simeon Krieger |
Work Preparation Department**

My „office self“ in five words:

**DETERMINED | PERSISTENT
ORGANIZED | PRECISE
ANALYTICAL**

I came to TEKO because I heard a lot of positive things about the company during my technician school. After applying and going through the interviews, I was hired as a work preparer.

My tasks are in the area of tube processing, where I create production orders,

process parts lists, and operate the linking from the laser to the bending machine using programs. What I particularly like about my

job and at TEKO is the **family-like atmosphere** and the opportunity to constantly further educate myself. The behavior of my colleagues and superiors is very good, and with the help of an orientation plan, I was able to gain insights into other areas. My work in tube processing is varied and exciting. External educational measures are taken for me, and I can always continue my education.

In the future, I want to contribute to increasing quality and efficiency and further develop professionally. I am confident that at TEKO, I have the opportunity to implement my plans for the future.



**Kristin Eberhardt |
Marketing**

My „office self“ in five words:

**STRUCTURED | CREATIVE
HUMOROUS | VERSATILE
TEAMPLAYER**

Marketing is a passion of mine. When I built the marketing department from scratch at my previous employer, it became clear to me - „**This is what I want to do**“. Social media is not just about posting pretty pictures for me, there is much more behind each

post: organization, a story, and above all, work. I like that I can work both creatively and in a structured way. In the summer of 2023, I

joined TEKO because I wanted to move out of the agency routine and work within a company in the marketing field again.

My last two positions include an agency in Frankfurt, where I was able to strengthen my experience in conception/project management and brand marketing, as well as a company in the events industry. During my 5-year tenure, I developed and solidified skills in team management and leading a total of five teams, including the marketing, interior design, office rent, furniture design team, and one of the key account teams.

In summary, my diverse portfolio spans marketing, interior design, event management, and project management. For the future at TEKO, I hope to increase the reach through my contribution in marketing/social media and thus elevate global awareness to accompany TEKO to become an industry leader.

Outside of work, I am interested in my two dogs with whom I spend a lot of time in nature. Additionally, in my free time, I enjoy acrylic painting and photography.

Every day, we do everything we can to live up to expectations – with professional competence, excellent performance and a motivated team that is always committed to the interests of our customers. To ensure that we continue to be prepared for all challenges, we have expanded our team. We are pleased to introduce you to our new employees.



**Frederik Delaere |
Key-Account-Manager**

My „office self“ in five words:

MOTIVATED | SOLUTION-ORIENTED | SUPPORTIVE | DOER POSITIVE

My passion lies in refrigeration technology with natural refrigerants. This is **my way of combating global warming**. Throughout my professional career,

I have worked on numerous projects in the retail and industrial sectors. I am particularly proud of the realization of the first ice rink in Belgium with a CO₂ pump. In the retail sector, I have also been involved in many projects transitioning to natural refrigerants. My expertise lies in always finding a solution for the customer's needs. For the future at TEKO, I plan to continue developing innovative solutions in the field of refrigeration technology.

Outside of work, I am passionate about horseback riding and motorcycling.

Through my business connection to TEKO, I got to know the national and international sales managers, Mr. Oliver Rauer and Mr. Thomas Maugg. These meetings ultimately led me to want to move to TEKO.

My passion lies in

refrigeration technology with natural refrigerants. This is **my way of combating global warming**. Throughout my professional career,



**Marion Billasch |
Marketing**

My „office self“ in five words:

CREATIVE | TEAM PLAYER CURIOUS | IMAGINATIVE FLEXIBLE

In September 2023, I had **the pleasure of a quick introduction** at TEKO, where I was able to start straight away with the Altenstädter Kältetage. Within just two days, I got to know customers, suppliers, service providers, and of course, my TEKO colleagues. In my job, I take care of PR and support in graphic design, among other things. I really enjoy bringing fresh ideas to the company and developing creative strategies. My goal is to enrich TEKO with new ideas!

In my free time, I am passionate about being active in sports, whether it's playing tennis or cycling. Additionally, I love exploring the world and going on trips with my family. Discovering new places and getting to know different cultures enriches my life immensely.

Since my studies, it has been clear to me that I want to work in the field of marketing. The versatility and creativity in this area are particularly enjoyable for me. I have been working in marketing for over 13 years, exclusively in the B2B sector.

Successful studies:

Congratulations on earning your Bachelor of Science degree in Refrigeration System Engineering.



**Maximilian Fischer |
Technical Support**

My „office self“ in five words:

OPTIMISTIC | LOUD (MAYBE SOMETIMES TOO LOUD, ESPECIALLY WHEN LAUGHING)
MOTIVATED | FLEXIBLE | COOPERATIVE

From the beginning, it was clear to me that I did not want to pursue a conventional degree, but rather wanted to gain practical experience from the start. Since I have been fascinated by

technology since childhood, mechanical engineering was an option, but it seemed too general to me. Eventually, through friends, I became aware of refrigeration technology and TEKO.

My name is Maximilian, but everyone just calls me Max.

Right after school in 2020, I started at TEKO and went through production in the first three months. From prefabrication to special plant construction, test chambers to final acceptance. After that, I alternated every three months between research & development and Esak (European Academy of Refrigeration-Air Conditioning-Ventilation in Maintal). During my practical phases, I dealt with various topics including compressor pulsations, risk assessments, blow-off collection lines of safety valves, and methods for detecting contaminated gas coolers. In late August 2023, I submitted my bachelor's thesis and successfully completed my studies at the end of September.

In October, I transitioned from R&D to Technical Support (TSP) at TEKO. The plan is to first document and understand the TSP process flow. Then comes the design of systems and individual components. What tasks will develop from this or what will come next remains to be seen in the future. **„Let's see what happens... we are excited.“**

Outside of work, I am interested in anything with four wheels and an engine as well as traveling. The combination of both is of course optimal.

Learn more about
studying at TEKO
Video in German language



From left to right: Prof. Dr. Ingwer Ebinger (examiner), Dr. Rainer Jakobs (supervisor from the university), Maximilian Fischer, Andreas Schmitt (supervisor from TEKO), and Dr. Alexander Krimmel (examiner).

A look behind the scenes:

Protecting the environment & stopping climate change. TEKO-Forest continues to grow.

To support the forests in our local region, TEKO enabled the planting of nearly 2,000 young trees with a donation in 2021. Together with the municipality of Altenstadt and the forest ranger, an open area of approximately 0.3 hectares was selected, and saplings - red oak, beech, sessile oak, and lime - were planted and protected with a fence against wildlife browsing. A year later, TEKO donated another 1,000 saplings, and the cultural care of the young plants was included and implemented in the donation.

Drought, storms, fires, and bark beetles are just a few of the problems our forests are facing. TEKO wants to continue to take action against these challenges! For this reason, we have decided to further expand the TEKO Forest and donate an additional €5,000 for planting young trees. These will be planted in spring 2024.

Trees are true climate protectors as they filter CO₂ from the air and store it in their wood. The trees we plant will continue to do good for people, animals, and the climate for many decades to come. We are excited about each newly planted tree contributing to climate improvement and will keep you updated on the progress of the project.



An evening of recognition:

TEKO honors employees for their loyalty and dedication.

At last year's Christmas party, special recognition was given to the long-serving employees of TEKO. In particular, the jubilarians who have been with the company for **10 years** were highlighted. Lukas Beier, Sebastian Heß, Jana Lenz, Thomas Maugg, Christian Nanz, Karl-Georg Piller, Andreas Schledewitz, Thomas Schöffel, Christoph Westernacher, and Claudius Wolf received well-deserved appreciation for their long-standing dedication.



10 years at TEKO: from left to right: Thomas Maugg, Andreas Schledewitz, Lukas Beier, Claudius Wolf, Sebastian Heß, Christoph Westernacher, Jana Lenz and Thomas Schöffel. Not in the photo: Christian Nanz and Karl-Georg Piller.



25 years at TEKO: from left to right: Klaus Vedder, Alexander Wirsching, Heiko Sittinger and Alexander Weingart.

Additionally, employees who have been with TEKO for a **quarter of a century** were also honored. Heiko Sittinger, Klaus Vedder, Alexander Weingart, and Alexander Wirsching were recognized for their impressive 25 years at TEKO.

The management expressed heartfelt thanks to the jubilarians for their long-term commitment and dedication to the company and presented each of them with a gift as a token of gratitude for their loyalty and contribution to TEKO's success.

The honoring of the jubilarians was an emotional highlight of the celebration and underscored the company's appreciation for its long-serving employees.

TEKO's Christmas magic: Employees enjoy shared festivities and anniversary celebrations.

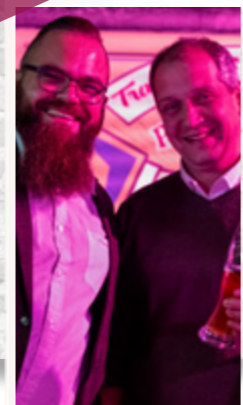
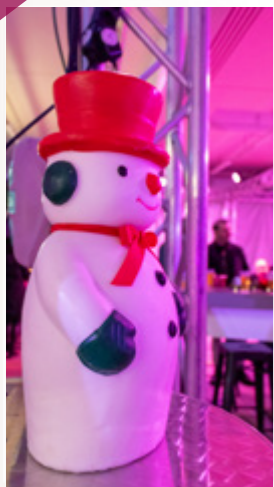
At the beginning of December, the annual TEKO Christmas party took place. Over 200 guests gathered on the festively decorated company grounds in Hall 6 to celebrate the end of the year together. The celebration started at 4 pm with a warm welcome in the decorated party tents. Guests were served delicious snacks and a selection of hot drinks such as mulled wine and apple cider, which provided cozy warmth in winter temperatures.

After introductory words from the management, TEKO employees could enjoy a delicious buffet. The executives took care of serving drinks throughout the evening. The atmosphere was filled with cheerful mood and lively conversations as employees enjoyed the rich offerings.

Entertainment was also well taken care of: In addition to table football, table tennis, and darts, this year there was a photo booth that provided plenty of fun and variety. Employees enthusiastically took the opportunity to take funny souvenir photos and get to know each other better. A DJ also ensured a lively atmosphere and encouraged guests to dance and sing into the late hours of the evening.

The Christmas party was a great success and provided TEKO employees with a wonderful opportunity to get to know each other better outside of work and celebrate together. It was a successful event that will surely be remembered fondly for a long time.

MISSING! DEAD OR ALIVE! After the Christmas party, the long-standing Christmas mascot „Mr. Frosty“ has disappeared without a trace - apparently he has fallen in love with the snow and simply ran away!



TEKO Kältetechnik

www.teko-gmbh.com



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Editorial | Design: Marion Billasch

TEKO Gesellschaft für Kältetechnik mbH
Carl-Benz-Str. 1 · 63674 Altenstadt · Germany

