



NEWS

Issue October - 2023



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Dear reader,

when I started at HERZ, I was aware of my varied range of responsibilities, but I never thought that my job would take me to prison. An unforgettable moment in my professional life was the visit to Graz-Karlau Prison, which received a HERZ pellet boiler for training purposes for inmates in the field of installation and building technology. Conclusion: I was immersed in a different world and positively surprised by the big difference between the previously socially imprinted idea of life behind bars and reality. Nevertheless, I am glad that I was "rele-

ased" on the same day.

To celebrate my "release" I was crowned with an interview at Raven Brewery. Raven Brewery has a HERZ wood chip pellet boiler that provides cozy and efficient heat for its guests. But the company offers its guests more than just accommodation and culinary delights: beer is produced in its own brewery, and the distillery for whiskey and gin ensures enjoyable moments. I would have loved to have tasted my way through the barrels, but the lack of a day off to sober up, along with the drive to Vienna, put a damper on my plans.

In addition to exciting interviews, this issue naturally also includes information on product developments: HERZ has added several new products to its product range in the field of district heating. For the time being, I would like to introduce the HERZ News readers to the floor-standing model in four different performance groups.

Enjoy reading

Nurgül Akbas
Editor HERZ News

PS: The exchange with readers is very important to me. Therefore, I look forward to any feedback and suggestions from you by e-mail at: nurguel.akbas@herz.eu

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Media owner, publisher and editor: Herz Armaturen Ges.m.b.H.
Vienna, Richard-Strauss-Strasse 22
Website: www.herz.eu | E-mail: office@herz.eu | Tel: +43 1 616 26 31-0
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Note: For better readability, the masculine form is used for personal nouns, which of course refers to the feminine as well as to all other gender identities.

INTERESTING TIMES



**Dear customers and partners,
dear friends of HERZ!**

"May you live in interesting times" is said to be a Chinese curse, an imprecation. And interesting here means time of wars, crises, upheavals and similar events that we don't really want to experience. However, unfortunately, we live in "interesting times": war in Ukraine; inflation and financing costs as not for decades; mass immigration from other cultures, where Europeans do not find an answer and much more.

People's worries about the future and the current problems mentioned are also a toxic cocktail for our industry and are a burden on trade and industry. The European region is particularly affected, while the situation in other regions of the world is much more positive.

Thanks to the expansion of the HERZ Group over many years, non-European markets can partially compensate for the market slump in Europe, but Europe remains our most important market. Realistically, Austria cannot influence many things, but the level of inflation and massive problems in finding employees are to a large extent homemade. For the low-skilled, the difference in income between labor income and AMS payments is no longer relevant; moreover, the desire to work from Monday to Friday at the company has decreased noticeably over the years among young and well-earning highly qualified people.

The HERZ Group generates only a small share of its sales in Austria, and the local mentality is particularly difficult to communicate to our non-European customers. However, we are convinced that with our numerous plants and standards we will be able to cope successfully with these "interesting times". HERZ, founded in 1896, has already mastered much more difficult times.

Gerhard Glinzerer

*Editorial team HERZ News: How do you see the current situation, is our boss right?
Share your valued opinion with us at nurquel.akbas@herz.eu*



HERZ DE LUXE

*The easiest way to
save costs.*

Efficiency does not always mean a big change or a significant effort. A simple movement of the hand can make a big impact in this area.

HERZ thermostatic heads are the perfect solution for all new construction and renovation projects. Fitting all standard thermostatic valves, the HERZ DE LUXE series provides style to save money in 18 different colours - the right colour option for every space.



Order number: S 9230 XX





Photo: HERZ

FIT FOR THE FUTURE

TRAINING AT HERZ TO STRENGTHEN KNOWLEDGE AND SKILLS

In the dynamic landscape of building services engineering, continuous learning is key to achieving the highest standards and ensuring that buildings operate optimally - both in terms of functionality and environmental impact. For this reason, HERZ offers individual training courses on the essential topic of hydraulic balancing for both students and professionals at its headquarters in Richard-Strauss-Strasse in the 23rd district.

Numerous telephone calls reach HERZ headquarters every day, from wholesalers to installers and end consumers. They ask for expertise in specific situations that arise in practice. HERZ application engineering staff serve customers with up-to-date information and efficient solutions at every opportunity. Therefore, they are acutely aware of the difference between theory and practice, especially since theory often differs greatly from real-world requirements.

For this reason, HERZ not only supports numerous vocational schools, technical colleges, universities of applied sciences and universities with laboratory stands and products, but also offers in-house training courses on the subject of hydraulic balancing. These training courses

give students an insight into their future working world. Given the rapid advances in energy efficiency, automation and sustainability, it is essential that professionals also receive regular training to keep up with the latest technologies, best practices and regulations.

HERZ training courses offer the opportunity to deepen the understanding of complex systems, minimize errors, maximize safety and increase the efficiency of buildings. Therefore, many companies also take advantage of the opportunity for future-oriented investment in know-how of the skilled workforce.

HERZ trainings

HERZ is one of the few industrial com-

panies in Austria, that is also in a position to offer visitors the experience of brass hand-mold casting. Even before the theory, a guided tour of the factory gives visitors a glimpse behind the scenes. From robot-equipped production machines to hand-made molds - there is something to marvel at around every corner.

In the theoretical part, the specialist knowledge and the topic of today's challenges are conveyed with practical examples and real products for solving problems.

This is followed by practical application of the knowledge gained in the in-house laboratory stand. From calculations and valve sizing to the operation and use of the measuring computer, the partici-

pants use the opportunity to create a link between what they have learned and its application in real life. Because as we already know: Theory is only half the story.

Hydraulic balancing

Hydraulic balancing is an essential point for efficient energy supply. It is a crucial process to make the heating or cooling systems more efficient and balanced, providing each consumer with the exact amount of heat or cooling needed. Thus, no excess energy is lost, which also has a positive effect on operating costs.

In practice, most problems related to undercooling or overheating of the premises are due to a system that is not properly controlled and regulated. With a precise calculation and adjustment of the flow rates of heating and cooling medium in the various components of the system, it is very easy to prevent these problems.

HERZ products for hydraulic balancing

The necessity of hydraulic balancing cannot be emphasized often enough. HERZ has a wide range of products for building services. The circuit regulating valves of the HERZ STRÖMAX product line are an essential element in the field of hydraulic systems and building services. They are used to regulate the flow in a particular line of the system. With the use of HERZ

differential pressure controllers, the pressure drop between the flow and return of the different circuits is monitored and regulated. The automatic dynamic control of the differential pressure together with the preset circuit regulating valve ensures that all parts of the system receive the correct amount of heating or hot water, regardless of fluctuations in supply or consumption.

The interaction of circuit regulating valves and differential pressure control valves optimizes hydraulic balancing and contributes to the efficient functioning of the overall system.

Worth knowing, free of charge and delicious

Training at HERZ can be individually adapted to school groups or professionals. In HERZ's modern training rooms in Vienna's 23rd district, both small groups and groups of up to 40 people are trained in theory and practice.

A freshly cooked traditional lunch is naturally provided for all-day training courses. Appointments can be made at any time at marketing@herz.eu.

HERZ STRÖMAX-GN regulating valve with measuring valves
Order number: 1 4217 XX



HERZ Differential pressure control valve with impulse pipe
Order number: 1 4202 XX



Top photo: Students of the HTL Mödling on a tour of the HERZ factory on Richard-Strauss-Strasse 22 in Vienna's 23rd district.



Left photo: During the visit to the Linz 8 Vocational School, Prof. Bernadette Vierlinger BA MA stepped forward and immersed the scoop in the 900 °C hot brass alloy so that she could cast her own memento and take it home with her.



Photo: HERZ

From left to right: Department Inspector Roland Mühl (Supervisor Operations), Major Guido Riepl (Business Manager), Ing. Gerald Winkelbauer (Vocational School Director of LBS Graz 4)

THE WAY BACK TO LIFE GRAZ-KARLAU PRISON

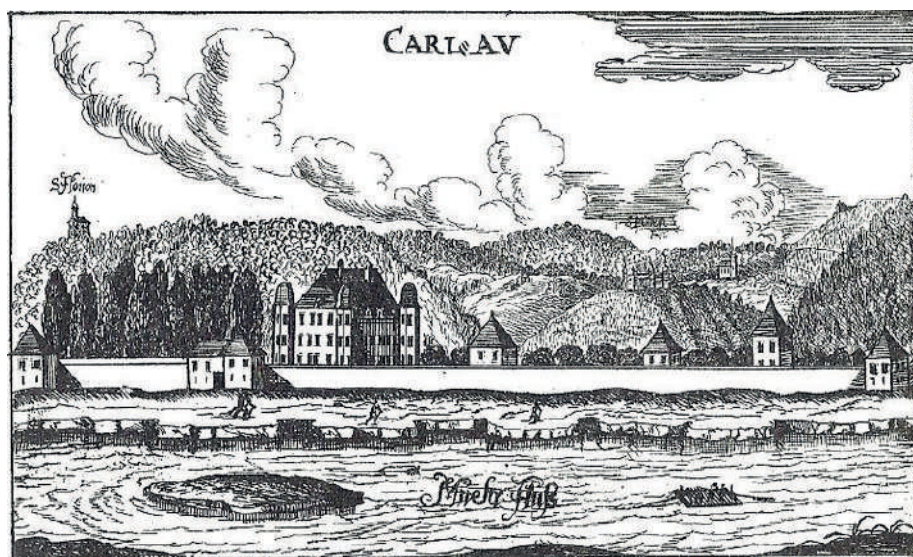
With a capacity of more than 500 prisoners, Graz-Karlau Prison is the third largest correctional facility in Austria. However, it sees its task not only as depriving inmates of their liberty, but also as resocializing them into society in order to reduce the likelihood of recidivism and thus ensure improved victim protection. For this reason, Graz-Karlau Prison has been offering nine apprenticeship programs for inmates in the spirit of resocialization for more than 70 years - including training in installation and building technology. HERZ also supports the training and further education here with the HERZ pellet boiler pelletstar for training purposes.

From Imperial Hunting Lodge to Prison

The former hunting lodge of Archduke Charles II of Inner Austria (1540-1590) has served as a penitentiary for more than 200 years. In the 16th century, Ar-

chduke Charles II, the third son of the Roman-German King and later Emperor Ferdinand I (1503-1564), took the decision to build a castle at the Au area near the Mura River, surrounded by a zoo and the imperial hunting grounds. Of course, the castle was named after Archduke Charles

II as well as the area: Castle Charles-Au. The construction of the palace was hardly completed when Archduke Karl II died of a bacterial infectious disease in 1590. His widow Archduchess Maria further developed the property and Karlau Castle became the preferred widow's residence.



Karlau hunting lodge in 1681.

Over the years, the castle fell into other hands. In 1749, Empress Maria Theresa (1717-1780) designated the castle as a "workhouse". Vagrants as well as unemployed people were accustomed to "order" here and also trained. During the Seven Years' War from 1756-1763, the castle served as a prisoner-of-war house for the first time, until it was used as a workhouse again in 1769. Towards the end of the 18th century, the former castle served as barracks, until finally in 1803, after a reform of the penal law, it was designated as a provincial penal house for pri-

soners with a sentence of up to 10 years' imprisonment.

Today, the Graz-Karlau Prison houses exclusively male prisoners sentenced to between three years and life imprisonment on an area of just under 70,000 m².

The resocialization for the long-term security of society

In 1950, the then Department Inspector Heinrich Fauland took the initiative to establish a vocational school for the resocialization of juvenile inmates. Starting with the professions of men's dressmaker, shoemaker and carpenter, Graz-Karlau Prison currently offers apprenticeships in 9 professions: Electrical Technician, Installation and Building Technician, Cook, Automotive Technician, Painter and Coating Technician, Structural Engineering (formerly Bricklayer), Metal Technician, Shoemaker and Carpenter. Many inmates at Graz-Karlau Prison are repeat offenders. Inmates who complete an apprenticeship have a much lower probability of recidivism compared to others.

Major Guido Riepl has been working at Graz-Karlau Prison for 26 years and explains to us in an exclusive interview how training while in prison affects inmates and their future.

HERZ News: What does the daily routine of a prisoner look like?

Guido Riepl: From 15:00 - 07:00 they are in the detention room. The rest of the time they are busy in the in-house facilities and also have free time. From soccer to cooking groups or literature workshops, we offer many things to choose from here.

We currently have 22 businesses set up and have a large clientele. We look at which inmates are currently serving their sentences, what they can do, where they have experience so that we can decide which jobs we can take on now. Some inmates are on release directly with the client and work there. However, some jobs are also done here on site such as: Packaging and sorting work. For example, we have a carpentry shop and make furniture for us and other prisons, as well



Photo: HERZ

Graz-Karlau Prison today.

as a car repair shop.

HERZ News: What considerations are made when deciding which apprenticeships are offered at Graz-Karlau Prison? Karlau Prison?

Guido Riepl: We look at what is needed in the labour market. All trained professions with us are in demand and skilled trades that are on the shortage list of the Chamber of Commerce. We currently have a total of 22 businesses at Karlau and try to find suitable inmates for each profession. In each company there is a colleague who is responsible for the apprenticeship training and decides together with the respective vocational school teacher whether the inmate gets the apprenticeship contract after the trial apprenticeship or not. They then receive the final certificate by WIFI.

HERZ News: How does the training affect the inmates?

Guido Riepl: Our experience is that they have a better chance of integrating into society than if they do not complete a trade. Inmates who already work in external companies during their imprisonment usually stay with the company after their release.

They are treated humanely here, learn to take responsibility, be reliable and adapt to the daily structure. The rules are strictly adhered to, otherwise the job is gone. So there is also a human aspect and treatment behind it. We had one inmate who studied so intensively for the apprenticeship exam because he saw the vocational school teacher as his second father and didn't want to disappoint him.

HERZ News: So appreciation and a sense of accomplishment play a pretty big role for inmates?

Guido Riepl: Most of them have not received any appreciation in their lives, they have sometimes already attracted negative attention at school or were the



Photo: HERZ

Carpentry in Prison Graz-Karlau.

last link in society. They have often felt that they are not wanted. We fulfill the legal mandate here in terms of deprivation of liberty, but we are not there to punish them further. Indeed, our task is also to prepare them for life afterwards.

HERZ News: So, through human interaction and education, as well as preparation for life afterwards, it also contributes to the protection of society?

Guido Riepl: Of course. If we just lock people up and do nothing with them, how can they be released back into society? The next offense is then preprogrammed. Our job is to make them fit for society. When someone serves a sentence of 10-15 years, a lot of things happen out there. It is also psychologically a different attitude to be free again after a long time. No one wants to get their neighbor or family member back depressed or full of anger. We try to exhaust everything in our power and what the law allows us to do.

HERZ News: Thank you for the interesting conversation and information that is not known to the majority.

The challenges for teachers

Teaching in prison is not as easy as in schools. "Here, the world is a different one," says Ing. Winkelbauer, who has been teaching the Building and Installation Technology apprenticeship program at Karlau for years. Surrounded by 360° cameras in a room with 3-4 inmates is not for the faint of heart. The challenge, however, lies in the limited opportunities. Teaching excursions and field trips, as well as the Internet, are taboo in the prison. Therefore, he brings lab experiments filmed in schools on a USB stick and projects them via the projector. "Craftsmanship is a matter of practice. You can only learn the craft by practicing, especially steel welding - and the more often the better," emphasizes Ing. Winkelbauer. He is aware of the great shortage of skilled workers in the skilled trades.

The art and difficulty of teaching in prison also lies in motivating the inmates and making them aware of their potenti-

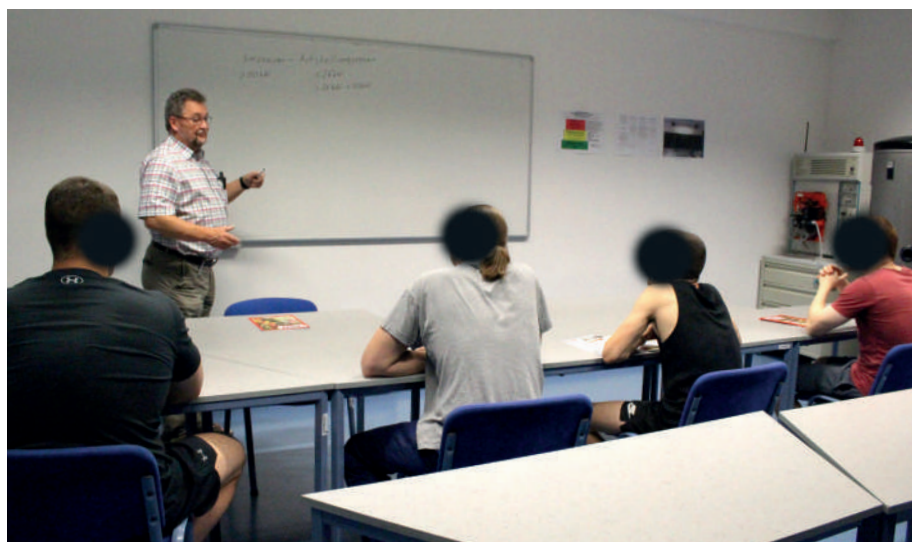


Photo: HERZ

Ing. Gerald Winkelbauer, vocational school director of the LBS Graz 4 and teacher for installation and building services engineering in the Graz-Karlau correctional institution during a lesson in prison.

al. Ing. Winkelbauer's motivation is clear: to make a personal contribution to the inmates' resocialization.

HERZ pellet boiler pelletstar in the Karlau

Many inmates are also interested in the apprenticeship building and installation technology. Therefore, HERZ has provided the new pellet boiler pelletstar to the prison for training purposes. The boiler has automatic ignition and heating operation and ensures ener-

gy-efficient combustion through lambda probe control. For safety reasons, the pellet boiler is not put into operation for heating purposes at Graz-Karlau Prison, but is used for assembling and adjusting the control system.

The Graz-Karlau Prison and also Ing. Winkelbauer are particularly pleased about the use of the HERZ pellet boiler: "Our HERZ pellet boiler is a very valuable contribution to training. I had hoped and suspected that Dr. Glinzerer would fulfill this wish, as he has a big heart for professions and especially for the plumber profession. The inmates are being trained for the future and renewable energy is the future. We can now rebuild plants as they should be today and look ahead," says Ing. Winkelbauer.

The industry is desperate for skilled workers and Graz-Karlau Prison is making a valuable contribution to alleviating this skills shortage. With the use of a HERZ pellet boiler, HERZ contributes to this solution and also supports those who wish for a new start and a better life after release.

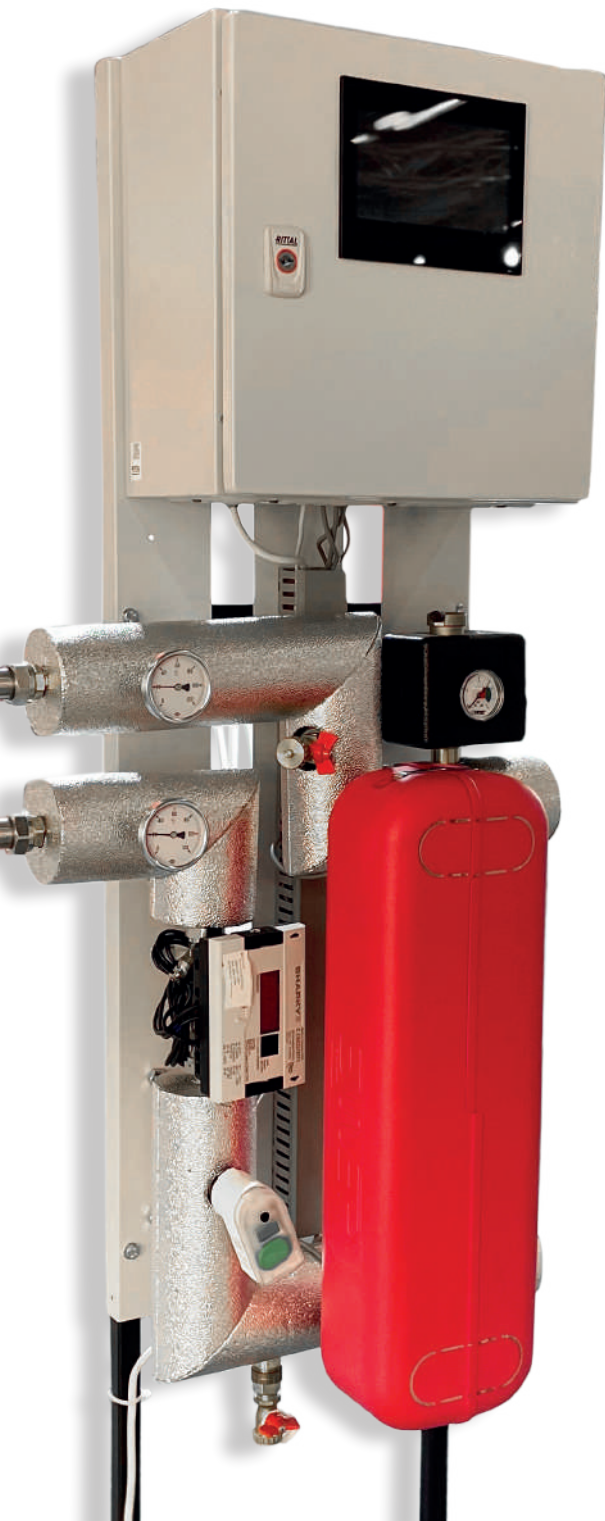
HERZ News would like to thank you for the opportunity to pay an unusual visit to the Graz-Karlau Prison and to gain an insight into the world of prisoners. ☑



HERZ pelletstar in the Karlau.

HEAT AND EFFICIENCY COMBINED

HERZ DISTRICT HEATING TRANSFER STATION



HERZ District heating transfer station floor model

Primary:

Max. Operating temperature: 110 °C
Max. Operating pressure: 16 bar

Secondary:

Max. Operating temperature: 80 °C
Max. Operating pressure: 3 bar

HERZ district heating transfer stations play a central role in the efficient distribution of heat in residential and industrial buildings. As a link between the district heating network and the consumers, the district heating transfer station transfers and measures the delivered heat quantity and enables integration into a remote monitoring and control system. Its benefit is significant both for the environment and for consumers.

The benefits of a district heating transfer station are numerous and not limited to reduced greenhouse gas emissions. By distributing heat evenly, HERZ district heating transfer station contributes to efficient energy use. This serves to reduce energy consumption and the associated costs. The result: satisfied customers and a sustainable as well as efficient energy supply.

HERZ District heating transfer station as floor model

HERZ offers various models of district heating transfer stations. The HERZ district heating transfer station as a stand-alone model particularly stands out with its compact design. The model is ideally suited for the supply of single and multi-family houses, but also for commercial enterprises and is offered in 4 different performance groups:

- ☒ 35-55 kW
- ☒ 45-90 kW
- ☒ 75-150 kW
- ☒ 100-200 kW

The fail-safe drive on the primary side contributes to safety and reliability in the event of a power failure. In this case, it closes the pressure independent control valve and thus protects against overheating or over pressurisation of the system.

The pre-installed safety group on

the secondary side with automatic air vent, pressure gauge and safety valve 3 bar ensures proper function and provides overpressure relief. This prevents damage to either the district heating transfer station or other components of the system.

Less heat loss due to high quality insulation

A special feature in addition to the technical aspects is the high-quality insulation of the district heating transfer station.

The stainless steel heat exchanger is insulated with custom-fit rigid foam polyurethane insulation. Due to its closed-cell structure, this type of insulation provides high thermal insulation capacity and helps reduce heat loss. Insulation from all pipe sections is made with PU foam and aluminium coarse grain lamination.

The tailor-made and ready insulation kit is supplied with the product and provides energy benefits and visual elegance.

The new HERZ district heating transfer stations thus make a significant contribution to reducing energy consumption, protecting the environment and ensuring a reliable heat supply. ☒

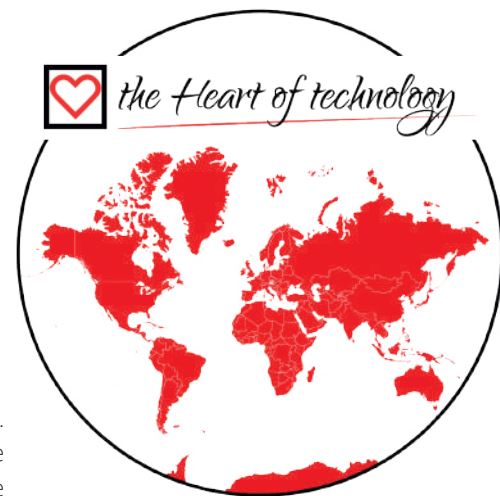
HERZ INTER

650 Mio
Euro annual turnover

3.500
Employees worldwide

42
Production sites

50
Subsidiaries



Modern technology means less energy use with unchanged or higher comfort and no need to be ashamed of a warm home. For this reason, HERZ continuously develops innovative and efficient product solutions so that this comfort can remain affordable for everyone.

The Austrian HERZ Group with focus on energy efficiency and related productions of biomass plants, heat pumps, valves, district heating stations, control technology and insulation materials, supplies the products for the required measures for efficient supply and is uniquely structured in this form in Europe. As an Austrian company HERZ is present with great


success in the HVAC industry on all continents with 50 subsidiaries and 42 production sites in 12 European countries. HERZ products are considered indispensable when it comes to efficient supply and long-lasting quality. That is why they are in high demand and successfully in use worldwide from Canada to Fiji.






IRELAND



Point A Hotel has opened its doors in the capital of Europe's third largest island. Dublin is the first location of the Point A hotel chain outside the United Kingdom. Each hotel of the chain offers its guests centralized accommodation at affordable prices.

In this project, HERZ thermostatic valves of the TS-go series in combination with HERZ thermostatic heads ensure optimal room temperature control. The proven TS-go series is characterised by precise technology and simple operation,


and has been for years. The use of HERZ products ensures efficient room temperature control at the Point A Hotel on the "Emerald Isle". 







- 
-  Capital: Dublin
 -  Language: Irish and English
 -  Area: 70.273 km²
 -  Population: 5,15 Mio.
 -  Currency: Euro

MEXICO



In Casas Grandes, Mexico, an area of 5 hectares was taken possession of last year by Hidroponia del Noroeste in Mexico to build greenhouses for tomatoes on the property. The property is located at an altitude of 1,500 metres, where in winter the temperature falls to -9 °C. In order to maintain a constant heat in the greenhouses throughout the year, 3 Biofire hot water boiler systems from HERZ Energietechnik were put into operation. Thanks to combustion technology at the highest level, Biofire hot water boilers are characterised by low emissions. In addition,

the installed boilers impress with multifunctional control concepts with colour touch display control. Only pecan shells were used as fuel. 

- 
-  Capital: Mexico City
 -  Language: Spanish
 -  Area: 1,97 Mio. km²
 -  Population: 127,5 Mio.
 -  Currency: Mexican peso
1 € = 18,51 MXN

NEW ZEALAND



Photo: datacom.com

In Silverdale, a village about 30 km North of Auckland, an 11,000 m² hyperscale data center was built by CDC Data Centres. The project, together with the Hobsonville data centre, called for an investment of around NZD 500 million. CDC is strongly committed to sustainability and providing environmentally friendly data Centres. Greg Boorer, founder and CEO of CDC, stated the data centre would run on 100% renewable energy. HERZ STRÖMAX circuit regulating valves provide an

efficient energy supply and play an essential role in hydraulic balancing for this large project in Silverdale.

	Capital:	Wellington
	Language:	English
	Area:	269.652 km ²
	Population:	5,1 Mio.
	Currency:	New Zealand Dollar 1 € = 1,82 NZD



PHILIPPINES



Photo: ismanila.org

International School Manila in the Philippines was founded in 1920 and is the oldest international school in Manila. On a 7-hectare site with its own campus, the school provides education for students from preschool age to grade 12.

With a focus on sustainability, some renovations were carried out in the school building. The internationally successful HerzCON model was used here. HerzCON offers control, regulation, filling, flushing, backflushing, draining, shutting off and filtering in a compact form from

a single source. As a prefabricated direct connection, HerzCON ensures a reliable and quick connection between FanCoils and the heating or cooling system.

	Capital:	Manila
	Language:	Filipino and English
	Area:	343.000 km ²
	Population:	113,9 Mio.
	Currency:	Philippine peso 1 € = 61,44 PHP



SAUDI ARABIA

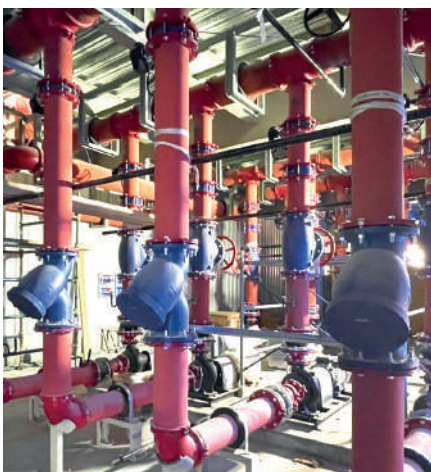


Photo: HERZ

Zad Croissants have opened a new factory in Saudi Arabia. The construction work started last year was completed with 2023 and the new factory was put into operation.

Numerous HERZ products were used in this project. HERZ 3-way valves regulate the smooth flow of the heating and cooling medium. While HERZ circuit regulating valves regulate the flow in the respective lines, HERZ strainers keep harmful foreign bodies away from the finely machined seat sections of the cont-

rol and isolation valves used. This ensures the high quality and long service life of HERZ products.

	Capital:	Riad
	Language:	Arabic
	Area:	2.149.690 km ²
	Population:	36,7 Mio.
	Currency:	Saudi-Riyal 1 € = 4,07 SAR





HERZ News interview with Andreas Schmidt, owner of Raven Brewery.

Photo: HERZ

RAVEN BREWERY

FROM BAKERY TO WHISKY DISTILLERY

The sunny side of Austria is the youngest province of our state. The Raven Brewery Inn, which has been in existence for four generations, is located in this province steeped in history, right on the border with Styria. Andreas Schmidt took over the former Hungarian customs house as a simple Inn from his father and developed it further. Today Raven Brewery offers its guests not only tasty food and accommodation, but also home-brewed beer and home-distilled whisky. Comfort and warmth for the guests is provided by a HERZ firematic 200 pellet boiler.

Burgenland has been part of Austria as an independent province since 1921. Legend has it that it owes its name to the many castles built for defense in the Middle Ages, as the region was a war-torn area between Habsburg Styria and the Kingdom of Hungary. However, the reality is different: The name was derived from endings of the old Hungarian counties of Wieselburg, Ödenburg and Eisenburg.

The Paris Suburb Agreements

The present border between Styria and Burgenland ran for many centuries partly along the border river Lafnitz and separated the Duchy of Styria from the Kingdom of Hungary. After the end of the First World War, the Habsburg Monarchy disintegrated and Burgenland became part of Hungary. In order to lay the foundations for the post-war order,

five peace treaties were negotiated in the immediate vicinity of Paris between the victorious powers and defeated Central Powers - the Paris Suburban Treaties. With the peace treaty of Saint-Germain-en-Laye on September 19, 1919, Western Hungary was granted to Austria under the name of Burgenland, with the city

of Ödenburg (Sopron), which was intended to be the capital of Burgenland, remaining in Hungary. This Paris Suburban Treaty regulated the dissolution of the Austrian imperial half of Austria-Hungary as well as the peace terms for the new state. Hungary failed in its attempt to prevent this loss by all diplomatic and po-



Austrian delegation to the peace treaty of Saint-Germain with Karl Renner.

Photo: ÖNB

litical means. On June 4, 1920, Hungary signed the Treaty of Trianon, which awarded two-thirds of the historic kingdom to neighboring and successor states, including Burgenland. The final integration of Burgenland into Austria did not take place until 1921, as the reorganization of Europe after World War I led to complex implementations of the treaties. Especially the transfer of areas with mixed populations was very time-consuming.

The former customs house becomes an Inn

The former Hungarian customs house was managed as a bakery by great-grandfather Schmidt in 1930. His son Josef Schmidt expanded the bakery with an Inn and over time focused only on gastronomy. Finally taken over by the

event hall to the Inn. During the planning phase we realized that this would not offer enough experience. So we decided to open a commercial brewery.

HERZ News: That sounds like a big investment. Were the results as desired?

Andreas Schmidt: At the age of 27, I invested 25 million shillings at 6% interest. You have debts without end and work very hard. The beer project has grown considerably in the development phase, but we posted bad figures, because the sales ran through the wholesale and we were always measured against the industry. The cost of production in a small plant is higher than in mass production. We simply needed the sales in house.

HERZ News: And to strengthen sales in

Andreas Schmidt: As a matter of course. At Raven Brewery, we practice a circular economy. We have our own game preserve and our venison is one of our culinary specialties. We feed our deer with beer and whisky spent grains. Everything goes round in circles.

HERZ News: I hear you have a very close relationship with your animals.

Andreas Schmidt: Animals are my haven of peace. When I find 3-4 minutes of time, I drive out to the animals. But we also have pets that are very popular with the guests and are often requested, such as our wild boar Toni. When we found Toni he was still a baby, meanwhile he is 6 years old and has a lot of weight. For us he is like a dog and sometimes runs free here. Our Charly



Photo: HERZ

Raven Brewery Inn, www.rabenbraeu.com



Photo: Rabenbräu

Raven Charly with Raven Brewery Whisky Old Raven

grandson Andreas Schmidt, today Raven Brewery also has its own brewery and distillery and offers its guests delicious venison specialties from the deer in addition to liquid beverages. In an interview with HERZ News, head of Raven Brewery Andreas Schmidt talks about the historic.

HERZ News: How did the idea of developing the Inn into a brewery and distillery come about?

Andreas Schmidt: Through my training, it was clearly defined for me that I would stay in the gastronomy. I worked in various 4-star Inns and award winning restaurants. When I took over the Inn in 1997, it was not what I had imagined. In the eastern region at that time there was no tourism like in the West. Therefore, we looked at what we could do and first added an

the house then came up with the idea of the distillery?

Andreas Schmidt: Exactly. Through the brewery, we already had malt and the mechanical equipment; all that was missing was a distillation plant. I then traveled around and attended various courses to acquire the know-how. After 5 years of storage, we sold the first whisky. Economically speaking, of course, it was madness. You need a lot of staying power when you invest thousands of Euros in a product that can only be sold years later. Today I have 200 barrels in the house and I'm glad I stuck with it.

HERZ News: The brewery idea has actually opened other economic doors for you. Is production waste also recycled?

(Raven) is already known to everyone.

HERZ News: What is the biggest challenge for you?

Andreas Schmidt: With whisky, it's the runtime and Angels' share - we produce 100 liters of whisky but can only sell 60-70 liters because the rest evaporates (Angels' share). But the challenge is generally more in the catering industry than in the production or the products.

HERZ News: Do you mean the labour shortage?

Andreas Schmidt: Right. In the hospitality industry, there are three pillars: Free time, pay and working atmosphere, and you have to offer that to employees and keep it in balance. Above all, a great

Whisky or whiskey

The spelling of whiskey indicates its origin: Scottish distillates are spelled without an "e," while Irish and American distillates are called whiskey. Whiskey is usually made from malted barley or a mixture of different grains, water and yeast. Unlike Scotland, it is common in Ireland to triple distill, which allows Irish whiskey to be considered smoother and lighter in flavor. We stay out of the conflict of whether whiskey was first made in Scotland or Ireland.



Photo: HERZ

Raven Brew distillation plant for whiskey and gin.

Angels' Share

This term refers to the evaporated water or alcohol content of the whiskey during its maturation process in the cask. The amount of the proportion depends on the ambient temperature, the humidity and the type, age and size of the barrel. Above all, the humidity is decisive in determining whether more water or alcohol evaporates. This process contributes to the concentration of aromas, flavor development and hue of the whiskey and is therefore an important part of the whiskey maturation process.

working atmosphere is very important, because if the employee doesn't feel good, he will leave regardless of the pay. I'm lucky that my employees remain loyal to me for many years. When someone arrives at Raven Brewery, they usually stay until they retire or they leave right at the beginning. That's not at all common in the restaurant business, and I appreciate that very much. Hiring new staff means a lot of work and changes often bring a lot of stress. Our regular guests are also always happy to be served by familiar and long-standing staff. There is a very special bond there. I am happy with all my staff.

HERZ News: You also place a lot of emphasis on sustainability. Was that also the reason why you chose a HERZ woodchip pellet boiler?

Andreas Schmidt: We have a lot of privately owned forest areas. These forest areas were in poor condition because there was a lot of dead wood and a lot of overgrowth, which made the forest unusable. The wood chip heating system allows us to clean up our forests and provide heat at the same time. The plant is used to heat water and to heat our rooms.

HERZ News: And how did you decide on a HERZ product?

Andreas Schmidt: With the previous sys-

tem, I had countless malfunction messages in just one winter. I said I couldn't go on like this and decided to buy a HERZ product. Since then, no other brand than HERZ has come into question for me. I also have a private heat pump from HERZ and my father has a HERZ pellet system. The product is absolutely maintenance-free and I have the same quality as with oil heating. The customer service from HERZ is a Roman one. I couldn't be in better hands. Efficient energy supply is a very important point for us, both from an ecological and financial point of view. I can recommend the quality of HERZ to anyone with a clear conscience.

HERZ News: I am very happy to hear that. Thank you for your openness and the insights you shared.

HERZ News had the opportunity to experience the hospitality for themselves in an interview. Raven Brewery is definitely worth a visit for anyone looking for family accommodation with Austrian tradition and additional whisky enjoyment. I would have been happy to taste my way through the barrels as well, had it not been for the car ride to Vienna.

Raven Brewery as partner of the MoHo Motorcycle Hotels

Raven Brewery has also recently become a partner of the Motorrad Hotel (MoHo), offering motorcycle groups not only

good food, beer and accommodation, but also lockable garages. As a passionate motorcyclist himself, Andreas Schmidt knows exactly: It is more important that the motorcycle sleeps better than you do. In addition, he also supports motorcycle groups with route creation and planning as well as with program suggestions for motorcycle-free days.

HERZ woodchip pellet boiler


A HERZ firematic 200 woodchip pellet boiler provides cozy and efficient heating for guests at Raven Brewery Inn. Scan now for more product information. 



Photo: HERZ

DYNAMIC BALANCING WITH HERZ DIFFERENTIAL PRESSURE CONTROLLER

THE 5 IMPORTANT REASONS AT A GLANCE

Continuous adjustment of the required differential pressure of a system is crucial in building services to ensure that heating or cooling systems function properly. With static valves, only one operating condition (usually full-load operation) can be optimally catered for. However, the majority of a system's operating time normally falls into the part-load range. This means permanent pressure and flow changes in the plant. If the differential pressure is too high, this can lead to excessive energy consumption and overheating. On the other hand, a low differential pressure leads to insufficient heating or cooling of the rooms.

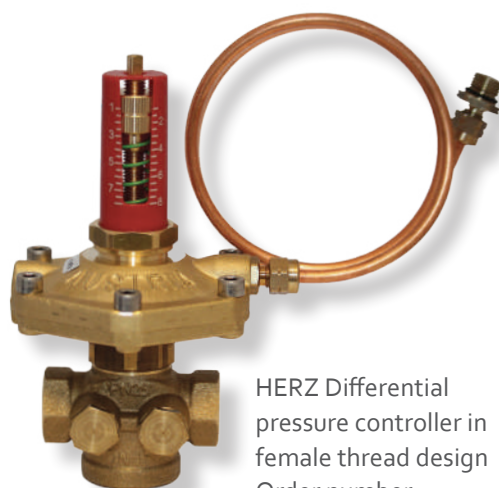
Dynamic differential pressure controllers play an important role here. They ensure that the desired temperatures are achieved in the various rooms of a building by responding independently to changing flow and pressure conditions. Thus, the system runs efficiently and in a balanced manner.

1 Automatic regulation

Differential pressure control valves regulate the pressure difference between the supply and return of a system by adjusting the flow of the heating or cooling medium in a system with the correct pressure. If you close a thermostatic valve on the radiator, there will be a lack of resistance in the system, causing other parts of the system to receive more flow. The differential pressure controller automatically responds to these changes and opens or closes depending on the system situation. In this way, all parts of the system are supplied at all times with the amount of energy currently required.

2 Efficiency increase

Automatic adjustment of the differential pressure and thus the flow in the plant prevents over- or undersupply of plant



HERZ Differential pressure controller in female thread design
Order number:
1 4202 XX

components. This ensures energy-efficient operation and leads to a lower environmental impact.

3 Hydraulic balancing

Differential pressure control valves also play an essential role in hydraulic balancing. Hydraulic balancing is a process in which the flow of heating or cooling water in the various parts of a system is adjusted so that each room or area receives the required amount of heat or cold. This is done by adjusting the differential pressure. Differential pressure controllers ensure that the proper pressure differential is maintained to ensure the required flow in the system.

4 Energy and cost saving

The use of differential pressure control valves and the associated guarantee of hydraulic balancing can significantly reduce energy consumption in heating and cooling systems. This leads to lower operating costs.

5 Comfort

Excessive differential pressure in the system can cause noise in pipes and fittings. The use of differential pressure control valves prevents the heating medium from flowing through the pipes at too high a velocity and thus prevents this problem. In addition, even heat distribution in a system leads to satisfied customers, as all occupants receive the desired room temperature in all rooms.



HERZ Differential pressure controller in flange design
DN 65 - DN 200
Order number:
F 4007 XX


HERZ offers a wide range of dynamic differential pressure control valves. There are types with adjustable differential pressure range, with fixed differential pressure set point as well as versions with connection thread for actuators. 



Photo: cortina 126

HERZ PRODUCTS IN FOCUS

NEW RESIDENTIAL COMPLEX IN ROMANIA RELIES ON PROVEN PRODUCTS FROM HERZ

Cortina 126 - this is the name of the new modern residential complex in Pipera, a district on the northern edge of the Romanian capital Bucharest. On a site area of 5,500 m², a total of 210 new apartments on 8 floors will be completed by the end of 2023. The project offers modern amenities and living comfort to meet the growing demand in and around Bucharest. To ensure this in terms of quality, Cortina 126 relies on reliable products from HERZ.

A new residential complex in Bucharest, Romania, land of Dracula, has chosen numerous HERZ products to efficiently supply heat to the 210 new apartments. From panel heating systems to sanitary fittings as well as valves and actuators - a wide range of HERZ products are used at Cortina 126. In addition to sustainability, the focus of this project is also on living comfort. With a clear focus on European quality, HERZ offers a wide range of durable products in the HVAC sector.

HERZ Products in use

The apartments are heated using a surface heating system. The HERZ stainless steel distributor is used for this, it has been developed specifically for the requirements of modern surface heating and cooling systems. The overall package was completed with HERZ-Line pipes, HERZ PIPEFIX fittings and HERZ studded plates.

These ensure optimal impact sound pro-



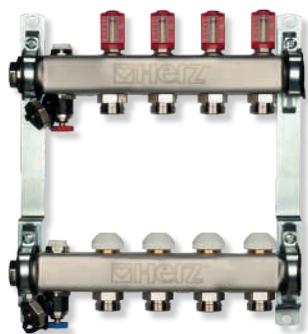
Dracula - the namesake and inspiration of probably the most famous vampire in the history of literature by Bram Stoker is the Romanian prince Vlad III Drăculea (photo). Also known as Vlad the Impaler, Vlad III Drăculea ruled the 15th century region of Wallachia, a landscape in the southern part of Romania. His resistance to the Ottoman Empire and the use of impalement as a method of execution made him a memorable ruler in Romanian history.

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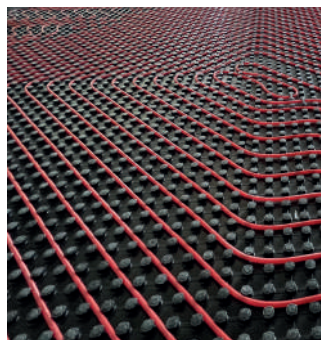
It was a great pleasure to welcome the customer to our production facility in Šmartno, Slovenia. After a tour of our factory, the decision was already made: The customer convinced himself of the quality on site and decided to realize the project with HERZ quality. We are very happy to be part of this project and to contribute with our products to a compliant and efficient heat supply.

- Bogdan Stefan

Managing Director HERZ Romania



HERZ stainless steel manifold
Order number: 1 8632 XX



HERZ Studded plate
Order number: 3 F030 XX
HERZ-Line PE-RT
Order number: U 1626 XX



HERZ Diaphragm pressure reducer
Order number: 1 2682 XX



HERZ STRÖMAX Regulating valve
Order number: 1 4017 XX

tection and increase the thermal insulation effect. Furthermore HERZ STRÖMAX Regulating valve, in both bolted and flanged versions, regulate the flow in this project. This ensures smooth heat distribution to the individual residential units, so that all consumers receive the desired and required heat.

From HERZ membrane pressure reducers to HERZ sanitary water distributors, numerous HERZ products are also used in the drinking water sector.

Living comfort with HERZ clever&smart

When it comes to home comfort, smart technology is indispensable. Therefore, all apartments at Cortina 126 are equip-

ped with the latest technology in the field of temperature control, measurement and control technology - HERZ clever&smart. HERZ clever&smart offers all comfort lovers the right solution for an intelligent and controlled heating and cooling system. In this project the version "heating with WiFi function" is used, because the product family allows an individual composition of the components according to the needs.

Consisting of a Control Box, a Room Controller and additional LEDcontrollers and Room Sensors, HERZ clever&smart offers a safe, controlled, comfortable and efficient heating system at an attractive price. The Control Box is not just a simple signal distributor, but a heating controller. The individual rooms of the

apartments were each equipped with an LEDcontroller. This allows individual temperature adjustment of each room and digitally displays the actual temperature. The Room Controller WiFi, equipped with a colour touch display, measures the temperature, serves to configure and operate the system and enables the connection of the system with the smartphone. This allows the desired room temperature at the desired time to be conveniently set from anywhere while using HERZ clever&smart Mobile App and adapted to one's own daily routine.

The commitment to quality on the part of Cortina 126 fills the HERZ team with great joy. The use of HERZ products helps to transform the plant into a comfortable and efficient place.



HERZ clever&smart Room Controller with touch-display.



HERZ clever&smart LEDcontroller with display.



HERZ clever&smart Control Box.



HERZ clever&smart app with display of individual rooms, individual setting of cooling/heating time and operating mode.



f.l.t.r.: Glinzerer (HERZ Managing Director), Swatek (School Director interim.), Helmreich (BS Teacher), Fank (BS Teacher), Juza (HERZ Sales Director), Lienbacher (Deputy School Director), Schaefer (HERZ Marketing Management), Mayer (HERZ application technology management) and Rajkovats (application technology).

Photo: HERZ

MOLLARDGASSE VOCATIONAL SCHOOL HERZ DISTRICT HEATING TRANSFER STATION FOR STATE-OF-THE-ART TRAINING

To provide comprehensive training for future installers, educational institutions need a link to practice. This is best achieved when theory can be explained using products used in industry and students can put their learned knowledge into practice. Practice is especially important in the skilled trades. As a global company in the HVAC sector, HERZ supports training institutions with the necessary resources at every opportunity - most recently the Mollardgasse vocational school with a fully functional district heating transfer station

HERZ has always maintained a close relationship with educational institutions, because young installers are our future. BS Mollardgasse has been in possession of a HERZ laboratory stand for years. In August 2023, the official handover of the new HERZ district heating transfer station also took place. Among others, HERZ Managing Director Gerhard Glinzerer and BS Mollardgasse School Director interim. Bernhard Swatek. The transfer station is used for training purposes of the students.

HERZ District heating transfer station

HERZ district heating transfer station is designed and produced in accordance with the technical guidelines of the dis-

trict heating provider. This allows HERZ customers an individual composition of the district heating transfer station adapted to their needs. Depending on the model and customer requirements, outputs from 20 kW up to 4 MW can be transferred.

With an output of 120 kW, the district heating transfer station at Berufsschule Mollardgasse is fully functional and exhibited as it is used in residential construction. To this extent, the district heating transfer station helps to provide a deeper understanding of how heating and energy systems work. It also allows students to develop their practical skills with the latest technology as it is needed today, which will be invaluable in their future careers.

Students are the shapers of the future

HERZ products are understood to be of high quality and have a long service life. But as a manufacturer, HERZ relies heavily on the professionalism of installers. Well-trained installers have the necessary knowledge to install and maintain products properly.


This is crucial to ensure the efficiency and longevity of the products. This is especially reinforced when the future installers already work with HERZ products during their training, as this gives them practical experience and knowledge of the functions and applications of the fittings. 



Photo: HERZ

Students of class 3 AHGT with Peter Hacek (Technical Consultant HERZ), Sanda Schaefer (Marketing Manager HERZ), Dipl. Päd. Josef Trummer (Department of Building Services), Dipl. Ing. Elisabeth Berger (Head of Department of Building Services) and Prof. Karl Mühlbauer (Head of Class 3 AHGT).

HTL MÖDLING

CLASS CHAIRS MAKE THE DIFFERENCE: ERGONOMIC AND FROM HERZ

Health is the most important thing in life. Sitting for long periods of time can lead to back pain and muscle tension in the long run, especially in the lower back. Therefore, the choice of chairs, especially at school, is of great importance. Non-ergonomic chairs often do not provide enough support for the spine and can lead to poor posture. HERZ has therefore provided the "HERZklasse" in HTL Mödling with ergonomic class chairs - and in Austrian quality.

Especially at a stage of life when the body is still developing, any effort to maintain proper posture is crucial. As the pioneer of Finnish architecture Alvar Aalto once remarked, "Sitting is an action that doesn't get enough attention, even though it greatly affects our daily lives."

What's the point of giving the best lecture if students have problems concentrating because of uncomfortable chairs and are not receptive?

Apart from back pain and muscle tension, non-ergonomic chairs also lead to poor circulation,

postural damage, tension and concentration problems over time. For this reason, HERZ has this time equipped a class of the HTL Mödling with ergonomic class chairs. The decision was made in favor of the Austrian manufacturer and

market leader in the school furniture industry in Austria - Mayr Schulmöbel.

HERZklasse in HTL Mödling

"The class chairs are a visible sign of our cooperation, but we are talking about

the skilled workers of tomorrow. The collaborations keep the students on the cutting edge of the industry. We are particularly pleased when the students can get in touch with their future employers on a one-to-one basis," says Dipl. Päd. Josef Trummer. Within the school, the class is referred to as the "HERZklasse".



Franz Burgstaller (teacher of the building services engineering workshop) together with students of the 3rd AHGT (building services engineering) in HERZ polo shirts.



Now available in the
chrome and white.
Order number: 1 8100 XX

ROOM TEMPERATURE CONTROL SET

The ideal solution for panel heating in
combination with radiator

Durable, efficient, high quality and timelessly elegant - the HERZ room temperature control set gives the bathroom a new flair. Connected to the supply and return of the heating system, the return temperature is controlled with the help of the integrated HERZ return temperature controller. Thus, your feet enjoy the desired pleasant temperature, while the towel on the radiator becomes fluffy warm.

Return: HERZ Armaturen Ges.m.b.H., Richard-Strauss-Strasse 22, Vienna



Herz Armaturen Ges.m.b.H.

Richard-Strauss-Straße 22, Vienna, Austria

T: +43 1 616 26 31-0, F: +43 1 616 26 31-227

E-Mail: nurguel.akbas@herz.eu

www.herz.eu



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the heart of technology