

**20 YEARS OF COMBINED EXPERTISE** 



### **EDUCATE. INFORM. PROMOTE.**



#### IKKE GGMBH – INFORMATIONSZENTRUM FÜR KÄLTE-, KLIMA- UND ENERGIETECHNIK

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#### DEAR LADIES AND GENTLEMEN, DEAR READERS,

The Information Centre for Refrigeration, Air Conditioning and Energy Technology – IKKE gGmbH is a non-profit organisation whose sole shareholder is the North Rhine Refrigeration and Air Conditioning Guild (KIN). Our institution was founded in 2002, so that we can now look back on a 20-year success story.

In 2008, the time had come: after a three-year construction period, we officially began operating as a training and further education centre in the spacious premises of the former Krupp training workshop in Duisburg-Rheinhausen. We introduced a quality management system and are certified as an accredited school provider in accordance with AZAV. The investment volume for the new centre of excellence amounted to about 13 million euros. Today, a total of 35 employees look after the seminar and course participants of IKKE gGmbH. Under the guiding motto: "We'll make something of you!" all team members find their own motivation for their daily work.

In addition to the inter-company training as the main task, master craftsman preparation courses are offered in full and part time. In addition, there is retraining to become a mechatronics technician for refrigeration technology. In many other seminars and courses – also in cooperation with well-known manufacturers – the opportunity is offered for individual knowledge enhancement in order to secure one's own future prospects.





At the same time, our experienced and competent instructors as well as a modern infrastructure offer an optimal learning environment. A boarding school and a canteen are available for longer stays and the comfort of our visitors.

The IKKE is also involved in international projects to further develop training and participates in standardisation work.

As the national performance centre for WorldSkills Germany e. V., the IKKE gGmbH is also responsible for the activities at the World and European Skills Championships in the field of refrigeration and air conditioning.

In the course of climate change, the topics of environmental protection and energy efficiency are of utmost importance, and the expansion of energy supply with the use of heat pump technology for heating purposes will determine our future. The refrigeration engineering trade will play a central role here and offer the mechatronics technician for refrigeration the best prospects for the future.

With this brochure we would like to introduce you to the development and services of IKKE gGmbH and will be happy to answer any questions you may have personally.

elsamm fl

Greetings

Dipl.-Ing.

Karsten Beermann

Managing Director

Mehmet Özer

Deputy Headmaster and Master Refrigeration Engineer





## THE IKKE gGMBH IN FIGURES



Land area



Roofed area

- » 3 REFRIGERATION WORKSHOPS
- 1 ELECTRICAL LABORATORY
- **1 METAL WORKSHOP**
- 1 CARRIER LABORATORY
- **4 SEMINAR ROOMS**
- **1 COMPUTER TRAINING ROOM**
- 1 CONFERENCE ROOM (DIVISIBLE)

- » 1 AUDITORIUM FOR 200 PEOPLE
- » 1 CAFETERIA (120 PEOPLE)
- 1 ENVIRONMENTAL LABORATORY » 1 BOARDING HOUSE WITH 59 BEDS IN SINGLE AND DOUBLE ROOMS
  - » 1 CLUB ROOM
  - » 2 TELEVISION ROOMS
  - **» VARIOUS ADMINISTRATIVE ROOMS**
  - » 100 PARKING SPACES



The North Rhine Refrigeration and Air-conditioning Guild (KIN) was founded in 1978 and is responsible for training and examinations in the refrigeration plant fitter trade in the administrative districts of Cologne and Düsseldorf.

The in-service inter-company apprentice training (ÜBL) was first held in Mönchengladbach and then in Düsseldorf. With a view to the developments in the sector, the then guild board around Emil Esser had already started planning a new, adequate training and further education centre in 1996.

After many discussions with ministries, professional associations and the Düsseldorf Chamber of Crafts, the foundation was officially completed at the notary's office on 19 December 2002. Initially there were 4 shareholders with KIN as the majority shareholder with 51%.

Director Karsten Beermann was hired as of 1 February 2003 to drive the project forward. In June 2004, the necessary grant notices were issued and the tenders for the trades were issued. After the dismantling and disposal of old materials, the "construction start ceremony" was held in January 2005.

In a turbulent construction phase with various difficulties, Karsten Beermann took over the management in August 2006 at the request of the guild and transferred the information centre to the operational phase.

The first training sessions were held on site in 2007. On 13 June 2008, the official inauguration ceremony took place after the boarding school and the cafeteria were put into operation.

Honorary Senior Master Emil Esser





1978 » 1996 » 2002 » 2003 » 2004 » 2005



IKKE main entrance | old



IKKE main entrance | new

#### **OUR HOME IN THE LOGPORT**

IKKE gGmbH is part of the new "logPort" project in Duisburg-Rheinhausen which has created more than 5,000 new jobs to date. Huge logistics halls, freight forwarding premises and a large container transshipment yard characterise today's image of the former Krupp site, where the IKKE has found its place in the former Krupp training workshop. In connection with the interests of the logPort operators, transport refrigeration offers an important field of activity in which the IKKE gGmbH continues to be involved.



medium-sized and smaller refrigeration and air-conditioning businesses in North Rhine-Westphalia in particular, the IKKE to present itself as a technology transfer office and competence centre. The KIN guild board, which also performs the tasks of the supervisory board of the IKKE gGmbH in accordance with the articles of association, wishes the IKKE all the best and economic success for this future development."

### Dipl.-Ing. Walter Kehrein

Chairman of the Supervisory Board and Head of the Guild

#### Assessor Lutz Denken

Deputy Chairman of the Supervisory Board and Managing Director of KIN

2006 » 2007 » 2008

The IKKE is intended to strengthen the specialist companies within a radius of 150 km around Duisburg for European competition, thereby securing jobs and creating further jobs through the hoped-for settlement of new companies. In addition, cooperation with universities and technical colleges, technology transfer with industry and trade and participation in research projects are to be sought and intensified.

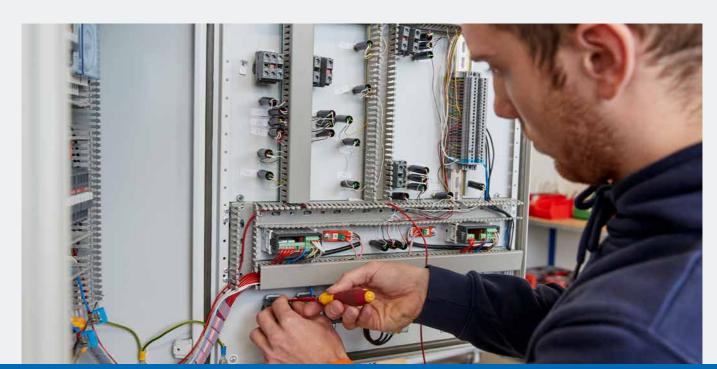
One of the main tasks of IKKE gGmbH is training and further education. Within this framework, training and retraining as a mechatronics technician for refrigeration technology and master craftsman training are carried out here. In addition. We also support specialised companies in the further training of their staff through seminars and courses and, as a recognised certification body, we run the courses for obtaining the Category I, II and IV certificates.

In addition to international projects and participation in standardisation work, the IKKE is responsible for WorldSkills

Germany e. V. since 2016 and is responsible for the training and supervision of the German participants at the World and European Skills Championships.

Through the annually organised IKKE Info Day, interested parties can inform themselves about the information centre as well as industry-specific innovations within the framework of an exhibition as well as through expert lectures.





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As a recognised certification body, the IKKE gGmbH also conducts expert training courses on behalf of KIN to acquire the Category I, II and IV certificates (EU 2015/2067) required under the F-Gas Regulation (EU 517/2014) and the Chemicals Climate Protection Regulation. Accordingly, operators of refrigeration systems may only use certified persons for the maintenance and repair of refrigeration systems who are also employed in certified companies. In 2014, an update took place with EU 517/2014. In the process, 4 categories were defined in order to adapt to the requirements.

The courses are open to fitters who have completed technical vocational training and to career changers with several years of professional experience in refrigeration and air-conditioning technology.



## **OUR CERTIFICATION BODY**

Details on the certifications and registration

www.i-k-k-e.com

## INTER-COMPANY APPRENTICE TRAINING

(ÜBL)





Today, the IKKE gGmbH is responsible for more than 750 trainees in the catchment area of the Cologne and Düsseldorf administrative districts, which complete the eight-week ÜBL at the IKKE as part of the 3.5-year training to become a mechatronics technician for refrigeration technology. The highly practice-oriented vocational school lessons take place at the Bertolt-Brecht-Berufskolleg in Duisburg and the Heinrich-Hertz-Berufskolleg in Bonn. Some companies have been using the cooperation with the IKKE for years and send their apprentices all over Germany to Duisburg for vocational school and the ÜBL at the IKKE, where accommodation and full board are also organised.

The contents of the apprenticeship training include basic skills in connection techniques, electrical and control engineering, environment and ecology, assembly of plants and systems as well as refrigeration systems with natural carbon-containing refrigerants. These training courses are organised in cooperation with the guild office in the House of Crafts in Düsseldorf. Federal and state subsidies are obtained as financial support for the training companies.

## MASTER CRAFTSMAN TRAINING IN FULL AND PART TIME

(PARTS I AND II)

More than 80 master craftsman students are taught in 3 courses (2 part-time classes, 1 full-time class) in parallel at the IKKE and prepared for the master craftsman examination. Admitted to the training are refrigeration system installers/mechatronics engineers for refrigeration technology as well as practitioners with completed vocational training and 2 years of professional experience in refrigeration technology and confirmation of admission to the examination at the HWK Düsseldorf.



The course content of Parts I and II (1,200 units) consists of the basics of refrigeration/air conditioning technology, refrigeration, air conditioning and heat pump technology, electrical and control technology and EFKfKKT, §7a HwO, project planning for refrigeration and air conditioning systems and heat pumps, order processing, operational management and organisation as well as technical practice.



The training can be completed in full-time lessons within 10 months. A two-year part-time form with an additional 6 weeks of full-time instruction is also possible. Participants can apply for Meister-BAFöG to support their training financially.

The master craftsman training in full-time, parts III + IV, is offered in cooperation with the Düsseldorf Chamber of Crafts.

Further information and registration at **www.i-k-k-e.com** 

## RETRAINING

## RETRAINING TO BECOME A MECHATRONICS TECHNICIAN FOR REFRIGERATION TECHNOLOGY

As an AZAV-approved school provider, IKKE gGmbH conducts the 28-month retraining course for mechatronics technicians in refrigeration technology – both the practical and theoretical courses. This period also includes 13 weeks of practical training in a refrigeration and air conditioning company.

Participants can be interested jobseekers at the employment agency and job centres who have completed secondary school. Previous experience in the electrical and/or metal industry would be desirable. A successful aptitude test at the IKKE is a mandatory prerequisite for admission.

This training or retraining offers excellent career prospects. While there has been an acute shortage of skilled workers for several years, the refrigeration, air-conditioning and heat pump technology sector has seen a high increase in turnover, resulting in an increased need for personnel. New environmental regulations regarding the tightness of refrigeration systems are also increasing the demand for maintenance and service technicians.





In addition to the main tasks in training and further education such as ÜBL, master craftsman preparation courses and retraining, IKKE gGmbH also regularly offers selected further education courses and seminars in order to be present on the growing education market of the sector.

### The following courses and seminars are held regularly at our company:

- Introduction to refrigeration technology,
   3 week modules to acquire Category II
   certificate
- Advanced refrigeration technology,
   3 week modules to acquire Category I certificate
- Training course for career changers, special certification to acquire Category I certificate, 1 week
- Leak detection/leak test expert qualification Category. IV, 2 days
- Planning and practice with propane refrigeration systems, 2 days
- Safe handling of flammable refrigerants (R32, R600a, R290) (occupational safety training), 1 day



- Hydraulics in chilled water systems, 2 days
- Hygiene training type A according to VDI 6022 (ventilation/air-conditioning technology), 2 days
- Hygiene training type B according to VDI 6022 (ventilation/air-conditioning technology), 1 day
- Plant-related water protection in refrigeration, air-conditioning and heat pump technology – basic training for operationally responsible persons, 1 day

# FURTHER AND ADVANCED TRAINING





## **A SUCCESS STORY**

#### 10 YEARS OF COOPERATION BETWEEN IKKE AND CARRIER

Since 2011, Carrier Klimatechnik GmbH has operated a 150 m<sup>2</sup> training centre on the premises of IKKE gGmbH in Duisburg. The renowned refrigeration manufacturer shows its air conditioning products here – from liquid chillers and heat pumps to hydronic systems and state-of-the-art controls.



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Throughout the training area, all equipment is connected and ready for use, so that trainees are not limited to written materials and video films, but can work directly on the equipment. Carrier holds training courses in the training centre for its contractual partners and their employees, while the IKKE uses the training area for its own training courses, seminars and, for example, also for the master classes.

On 1 March 2012, the first Carrier basic training course was held in the new training centre. Since then, more than 1,300 participants have been welcomed in around 100 training events. In 2021 – at the 10th anniversary – the expansion of the training area by a good 100 m² for VRF products and split systems was opened. Carrier has thus also created new training opportunities for this growing market.

And in the future, too, the product range will always be kept up to date in order to keep the quality of training high and to promote the transfer of knowledge between employees and customers.





IKKE staff Kitchen



IKKE staff Administration



IKKE staff Building services, cleaning

#### 1 /

## THE IKKE TEAM

The staff of IKKE gGmbH is made up of 35 dedicated employees who ensure smooth business operations with their individual skills and look after the well-being of the trainees and training participants.

- **9 FULL-TIME TEACHERS**
- **9 PART-TIME TEACHERS**
- **5 ADMINISTRATIVE STAFF**
- **1 FACILITY MANAGER**
- **1 BUILDING SERVICES STAFF**
- **6 KITCHEN STAFF**
- **4 CLEANING STAFF**



**IKKE** staff Teachers

Click here for the team overview at www.i-k-k-e.com/team/

## FEDERAL CENTRE OF PROFESSIONAL COMPETITIONS

The IKKE's involvement in European projects has led to intensive cooperation with the international vocational competitions WorldSkills and EuroSkills. Participants have been prepared for the international competitions at IKKE since 2003, and IKKE Managing Director Karsten Beermann has already been responsible as Chief Expert for the organisation of WorldSkills 2013, 2015 and 2017. For WorldSkills Germany, the IKKE gGmbH has been officially certified as a national performance centre for the refrigeration and air-conditioning profession – and is therefore responsible for training and supporting the German participants at the competitions.

The IKKE gGmbH has already proven itself in the organisation of 2 WorldSkills competitions as an organiser in "workshop management" for the field of refrigeration and air-conditioning technology. At the WorldSkills 2013 in Leipzig, the entire logistics (workplaces with tools, machines and materials) were provided for the 23 competition participants in refrigeration technology. In 2022, the WorldSkills were organised as a "Special Edition" in 15 countries with a total of 60 competitions. Here, too, the IKKE took centre stage in the field of refrigeration technology, organising and providing the complete equipment for the vocational competition within 3 months.







KME



GEORG LAMBARDT, 15TH PLACE



### Since the first German participant in 2001, the following results have been achieved at the World and EuroSkills to date:

	T. Comments of the Comment of the Co			
<b>2001:</b> WS SEOUL/KR,	<b>2012</b> ES SPA/BE,	2018 ES BUDAPEST/HU,		
NICOLAS REINHARD, GOLD  2003	MARKUS DIETRICH, GOLD	DOMINIK DAFERNER, SILVER		
WS ST. GALLEN/CH, BERN-	WS LEIPZIG/DE,	2010		
HARD BAUER, 6 <sup>TH</sup> PLACE	JULIAN WALZ, 8 <sup>TH</sup> PLACE	LUKAS BRENNE, EXCELLENCE		
2005	2014	2021		
WS HELSINKI/FI,	ES LILLE/FR,	ES GRAZ/AT,		
FLORIAN ZEBISCH, 4 <sup>TH</sup> PLACE	JULIAN WALZ, GOLD	LUKAS BRENNE, BRONZE		
2008	2015	2022		
ES ROTTERDAM/NL, TONI	WS SÄO PAULO/BR, BENAJA	WS-SE NÜRNBERG/DE,		
WEBER, SILVER	LÖTZSCH, EXCELLENCE	FREDERIK STIEGEN, EXCELLENCE		
2010	2016	228		
ES LISSABON/PT,	ES GÖTEBORG/SE,	1		
CHRISTIAN RICHTER, SILVER	TIM SCHUSTER, 8 <sup>TH</sup> PLACE	We keep the world		
<b>2011</b> WS LONDON/UK,	<b>2017</b> WS ABU DHABI/VAE,	LUUL		

TIM SCHUSTER, 15<sup>™</sup> PLACE

Danfoss

FLUKE



#### "THE REFRIGERATION CRAFTSMAN" (2002 – 2005)

In cooperation with AREA (Airconditioning Refrigeration European Association), IKKE gGmbH has been intensively involved in the LEONARDO project "The Refrigeration Craftsman" and has played a decisive role in the AREA EU Skills Competition (European vocational competition in refrigeration) in 2004 and 2005.

Under the chairmanship of Karsten Beermann as chairman of the competence & qualification committee, the profile of a refrigeration plant manufacturer was redefined at European level. These results were incorporated into the new European standard EN 13313 "competence of personnel". Furthermore, these results were incorporated in the F-Gas Regulation EC 842/2006 (New: EU 517/2014) and EC 303/2008 (New: EU 2015/2067) as well as in the Chemicals Climate Protection Regulation (with amendment in 2016).

## INTERNATIONAL PROJECTS

#### "REAL SKILLS EUROPE" (2009 – 2011)

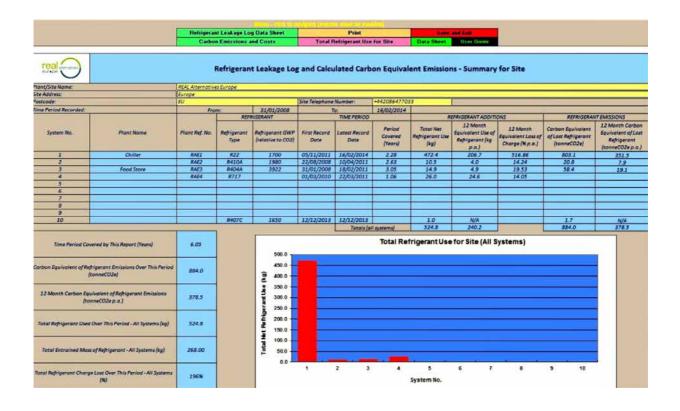
In the EU project "REAL Skills Europe" (Refrigerant Emissions And Leakage Skills for Europe), helpful instructions (good practice) and tools (tools) – e.g. F-gas log-book – were developed to provide operators, planners and technical staff with important information on the subject of "leak tightness of refrigeration systems". At the same time, the compulsory awareness of system operators and refrigeration technicians should be strengthened in order to achieve a significant reduction of refrigerant emissions for better environmental protection.

#### "EU-SPARK" (2010 – 2012)

As part of the "EU-SPARK" project (Sharing Heat Pump, Air-conditioning and Refrigeration Knowledge), a software tool was further developed for our industry, with which the participants can query their current level of knowledge in order to draw the right conclusions for further training measures.

### EU-PROJEKT "EPEP" (2012 – 2014)

In the further EU project "EPEP" on the topic of "Energy efficiency and inspection of air-conditioning systems", which have to be assessed by independent, qualified experts, a software tool was developed with which the knowledge level of an energy advisor can be queried.



#### "REAL ALTERNATIVES"

#### (2013 - 2015)

Under this funding programme, the EU Commission co-founded a consortium of European training centres and associations to develop a "train the trainer" programme for low greenhouse effect refrigerants (e.g. hydrocarbons, CO<sub>2</sub>, ammonia, HFOs or R32), ensuring an efficient, reliable and cost-effective introduction of these substances in the refrigeration industry.

The project aimed to further develop new and existing training materials and to introduce a series of practical exercises, exams and an e-learning programme. This should lead to a worldwide standardisation of training units and requirements for the handling of low-GWP refrigerants.



### "REAL ALTERNATIVES 4 LIFE" (2017 – 2020)

As a follow-up project, "REAL Alternatives 4 Life" was initiated to achieve further dissemination worldwide. The e-learning programme is now available in 17 languages. In 2016, it was updated on the basis of the newly revised EN378.

Further information at **www.realalternatives.eu** 



#### "CC IRAN" (2017 - 2020)

The project "Climate Competence Iran" was carried out together with the partners GBB and FIAP. The aim was to improve the education and training of specialists in the field of refrigeration and air conditioning technology together with Iranian partners by providing the current state of science and technology and environmental protection as well as didactic know-how.



#### IKKE SCHOOL PROJECT: "CLIMATE PROTECTION THROUGH REFRIGERA-TION MACHINES AND HEAT PUMPS" (2020 – 2024)

In cooperation with ARGE Kälte, the IKKE school project "Climate protection through refrigeration machines and heat pumps" was launched, which is carried out within the framework of the "Online Climate Protection Advice for Germany". In the project, heat pump models were developed as training systems that are made available to schools to introduce young people to the topic of climate protection.

More at www.i-k-k-e.com.

## E-LEARNING-MODULE

	Тур	Key Fact	GWP	Satur. Temp.	Typical applications
R744	Carbon dioxide, CO <sub>2</sub>	High pressures	1	-78 °C	Supermarket, heat pumps, plug-in appliances
R717	Ammoniac, NH <sub>3</sub>	Toxic + less flammable	0	-33 °C	Industry
R32	Hydro-fluorocarbon, HFC	less flammable	675	-52 °C	Split air conditioners
R1234ze	Unsaturated HFCs (hydro-fluoro-olefin, HFO)	less flammable	7	-19 °C	Water chillers, split air conditioners, plug-in ready units
R600a	Isobutane, C <sub>4</sub> H <sub>10</sub> , hydrocarbon (HC)	flammable	3	-12 °C	Household appliances and small commercial appliances
R290	Propane, C <sub>3</sub> H <sub>8</sub> , hydrocarbon (HC)	flammable	3	-42 °C	Water cooling units, plug-in units
R1270	Propen (Propylen), C <sub>3</sub> H <sub>6</sub> , hydrocarbon (HC)	flammable	3	-48 °C	Water cooling units, plug-in units

Basic properties of alternative refrigerants

#### THE FOLLOWING NINE E-LEARNING MOD-ULES WERE DEVELOPED AS PART OF THE EU PROJECT "REAL ALTERNATIVES 4 LIFE":

- **1.** introduction to alternative refrigerants safety, efficiency, reliability and good practice
- 2. safety and risk management
- 3. system design using alternative refrigerants
- system tightness and leak detection using alternative refrigerants

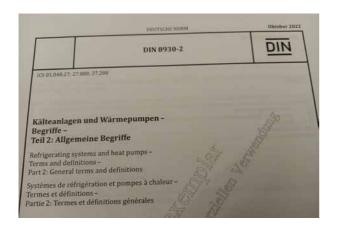
- maintenance, service and repair of systems using natural refrigerants
- **6.** retrofitting of existing refrigeration systems with low-GWP refrigerants
- checklist of legal obligations regarding natural refrigerants
- **8.** assessment of the financial and environmental impact of leakage
- carrying out an inventory and system survey tools and guides

As part of his diverse activities, participation in standardisation work has arisen for IKKE Managing Director Karsten Beermann. Triggered by the EC project "The refrigeration craftsman" led to concrete involvement in EN 13313 (Refrigerating systems and heat pumps – competence of personnel) from 2006 to 2011. Due to the increasing political pressure to use more and more natural refrigerants such as ammonia and carbon dioxide or flammable refrigerants (e.g. propane or isobutane), the subject of expertise was raised to an international level.

Thus, the revision of EN13313 under the leadership of Karsten Beermann as "convenor" led to the new ISO standard ISO 22712. This means that the same language is now spoken worldwide on the subject of "qualified personnel" in the field of refrigeration systems and heat pumps, which is also in the interest of environmental protection.



## DIN COOPERATION OF IKKE gGMBH



The technical terms in the field of refrigeration, air conditioning and heat pumps have their own dynamics. It is of great importance that the many technical terms are unambiguous and clearly defined. The DIN 8930 standard clearly defines and specifies the technical terms used in this industry. Karsten Beermann is also involved in the working group here.

## MEMBERSHIPS AND PARTNERSHIPS

#### **ARGE COLD**

With ARGE Kälte (as persons: Prof. Dr.-Ing. Michael Arnemann, Wolfgang Müller and Jörn Schwarz) the IKKE school project is carried out jointly. As a result of this cooperation, there is a close exchange with the Federal Ministry of Economics and Climate Protection (BMWK).



#### **AAST**

International exchanges of experience take place with the Arabic Academy of Science Technology (Alexandria/Egypt). In addition, groups of students are regularly invited to the IKKE for practical training measures.

#### BIV

IKKE gGmbH works closely with all other technical schools in the sector in the "Schools and Competence Centres" (FSKZ) specialist group and is involved in further developments in cooperation with the BIV of the refrigeration system installer trade, e.g. through intensive involvement in shaping the training ordinance and the master craftsman examination regulations. In addition, the IKKE organised and carried out the BIV-BLW (practical national performance competition) in Duisburg in 2009 and 2019.

#### **COOLTOOL TECHNOLOGY GMBH**

CoolTool Technology has been a tenant at the IKKE since 2008 and, in close cooperation, complements the training and project offerings, especially in the areas of "Hydraulics in chilled water plants" and "Propane in refrigeration plants". Managing director Vilim Mergl has been a lecturer in the master craftsman preparation courses from the very beginning.





Kruppstr. 184 | 47229 Duisburg fon/fax:+49 (0)20 65 - 54 85 05/07 mail:info@cooltool-technology.de | web:www.cooltool-technology.de

Technisches Büro für Kälte-, Klima- und Wärmepumpentechnik Planung, Beratung, Energieeffizienzmessung, Hard- u. Software





#### **DKV**

The IKKE maintains a close partnership with the German Refrigeration and Air Conditioning Association. Karsten Beermann, as a personal member, is also chairman of the Hanover district association and organises various technical lectures every year together with his team colleagues.

#### **OTTC**

Karsten Beermann has had a sponsorship and friendly relationship with the Open Trade Training Centre in Johannesburg, South Africa, since 1998. An intensive professional knowledge transfer is maintained and an exchange of experts is organised.

#### **VDKF**

As a member of the Association of German Refrigeration and Air Conditioning Companies, IKKE gGmbH provides valuable support for the association's work and cooperates with the VDKF on training measures.

#### **ZVKKW**

In the Central Association for Refrigeration, Air Conditioning and Heat Pump Technology (ZVKKW), IKKE gGmbH is a member of the "Education & Science" department and actively exchanges information with other scientific institutions as well as with industry and trade. As the spokesperson for this specialist group, Karsten Beermann is constructively involved in the association's political activities.





## WELL CATERED FOR WITH THE CAFETERIA



In order to be able to offer the course and seminar participants healthy and balanced break and lunch catering during their stay, the IKKE has its own kitchen and cafeteria with 120 seats. A breakfast buffet is also available early in the morning for overnight guests. As part of the full board service, trainees also have the opportunity to take part in the evening buffet. Special requests regarding allergies, special diets, special events, etc. are gladly accepted by the dedicated kitchen team.

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For the accommodation of trainees and seminar participants, the IKKE has its own boarding school, which currently offers 59 beds in single and double rooms. In the course of the last few years, demand has risen sharply, so that additional beds have to be rented in neighbouring hotels. In order to be able to offer all guests accommodation in the house in the future, an extension is planned in the long term in order to increase the own bed capacities. The coordination of accommodation in the boarding house or in the hotels is done by the IKKE administration.

#### Contact:

Günther Aschenbrenner aschenbrenner@i-k-k-e.com

## THE BOARDING SCHOOL AT THE IKKE

#### Erstklassig!! 20 Jahre IKKE



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- Flexible Arbeitszeitmodelle (z.B. Homeoffice/ 4-Tage-Woche)
- Regelmäßige Firmenveranstaltungen (Betriebssport, Grillfeste, Stammtisch, Familientage etc.)
- Zukunftsabsicherung (Betriebl. Altersvorsorge, betriebseigenes Kindergeld, Zusatzkrankenversicherung)
- Bis zu 33 Tage Urlaub
- Firmeneigenes Kartenkontingent für den 1. FC Köln und viele **Events in der Lanxess Arena**
- Sabbatical (Auszeit für Familie, Reisen, Hobbys etc.)

- Projektleiter TGA, Wärmepumpen
- Teamleiter TGM
- Servicetechniker oder Meister im Bereich Kälte/Klima und Sanitär/Heizung/Lüftung
- Objektbetreuer / Haustechniker FM

- Abgeschlossene Ausbildung in den Bereichen Kälte, Klima, Sanitär oder Elektro
- Freundliches und sicheres Auftreten
- Einsatzbereitschaft und ausgeprägter Teamgeist
- Führerschein Klasse B

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Wir sind ein inhabergeführtes Kölner Familienunternehmen. Seit über 50 Jahren bieten wir neben der Installation der kompletten Gebäudetechnik das gesamte Spektrum des technischen Gebäudemanagements, des wirtschaftlichen Betreibens und der Instandhaltung von Immobilien an. Für unsere 1.500 namhaften Kunden und zur Verstärkung unseres Teams suchen wir sowohl unerfahrene als auch erfahrene, qualifizierte, motivierte und engagierte Mitarbeiterinnen und Mitarbeiter.

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### **Fieldpiece**



## Die Fieldpiece Familie

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- Vakuumpumpen mit RunQuick™ Ölwechselsystem
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- Kältemittel Lecksuchgeräte
- Oder andere innovative Werkzeuge von Fieldpiece?



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Carrier, der Erfinder der modernen Klimatechnik, ist heute der weltweit führende Anbieter von Lösungen im Bereich der Klima-, Kälte- und Heiztechnik und freut sich auf Ihre Bewerbung als Mechatroniker für Kältetechnik (m/w/d).



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