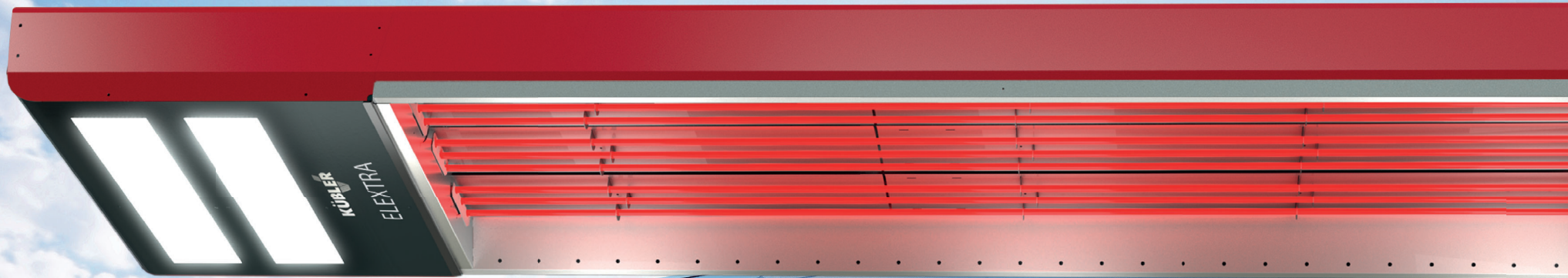


Pure electricity?
Or would you prefer an open, energy-flexible system for multiple energy sources?
The electrical infrared heaters from KÜBLER are your solution
for individual heating strategies.



SUCCESS | 2022
VORSPRUNG DURCH INNOVATION



INNOVATIONSPREIS
RHEINLAND-PFALZ
PREISTRÄGER
2023



FOCUS OPEN 2023
Special Mention



THE NEW E-LINE IN YOUR HALL.

ENERGY FLEXIBLE. EFFICIENT. ELECTRICAL.

KÜBLER

The new E-Line.

Decarbonize your hall with maximum flexibility.

Electricity is a key pathway to a carbon-free era. A point on which many people agree. So some focus their decarbonization strategy on electrons. Others prefer to leave the path open to molecules such as hydrogen or green gases. But regardless of whether you choose to implement the heat transition in your hall buildings with electricity alone or with an energy-flexible approach, one thing is certain: with KÜBLER infrared systems, you will master the energy transition – highly efficiently, economically and future-proof.

Four solutions – full flexibility

How can the transformation be managed cost-effectively without compromising the flexibility of hall usage? This question is on the minds of many hall operators. KÜBLER offers four forward-thinking answers:

- ✓ **ELEXTRA**
- ✓ **FUTURA E**
- ✓ **FUTURA**
- ✓ **MAXIMA E-Hybrid**

Together, these four form the new E-Line from KÜBLER. Based on the most efficient infrared technology from the technology leader and as a further development of the multi-award-winning FUTURA 2in1 system, the innovative infrared radiators offer you all the advantages of this superior heating principle: maximum energy efficiency, optional integration of hall lighting and, above all, future-proof, scalable decarbonization of your heating system – affordable, sustainably and economically sound.

What makes infrared the best heating principle for halls?

Natural, comfortable and controllable as light: infrared heating works with the laws of physics. Its radiant heat is inherently superior to other heating technologies in halls. Infrared brings the natural heat radiation of the sun into hall buildings thus delivering all the benefits of this unique and superior heating principle. No matter how high they are installed infrared heaters bring the heat into the hall exactly where heat is needed: on the floor, where people work. Infrared heaters can be individually controlled for specific work zones and quickly switched on and off thanks to their fast heat-up times. Very flexible and so efficient that you save 50 to 70 percent energy.

Hall lighting included – the 2in1-option for clever planners

Whether ELEXTRA or FUTURA E, these smart electric heaters are the logical further development of our award-winning 2in1-solution, combining climate-friendly infrared heating with LED lighting in a single device. A smart option, especially in new hall buildings, and another boost for the sustainability of your hall building. The smart design almost halves the amount of cabling, control and maintenance work.

Explanatory video:
'Infrared heating – efficiently heating and decarbonising industrial halls'



ELEXTRA

Maximum power. Maximum efficiency. Top comfort.

The new generation of electrical infrared heaters is in a class of its own. With the largest power range currently available. With the highest energy efficiency. And with the unique 2in1-option for heating and lighting your hall buildings with a single system. Developed for 100 % carbon-free heating comfort. Highly economical and extremely comfortable.

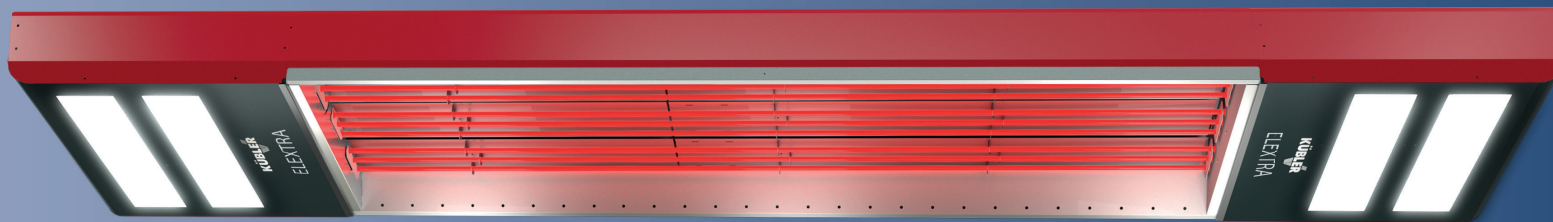
The most powerful E-Line in your halls

With 10, 20 or 30 kW, ELEXTRA offers you the highest performance among modern electrical infrared heaters and a broad performance range. Tailor-made for individual heating requirements and therefore supremely functional. In your industrial and commercial halls, in workshops, riding arenas and sports facilities, exhibition and event buildings and simply in all large rooms with ceiling heights exceeding four meters.

¹⁾ By the way: If you don't have sufficient PV power and electricity from the grid is too expensive, you will find the multi-award-winning energy-flexible infrared system FUTURA very interesting. Take a look: page 6

Highly efficient, economical and virtually maintenance-free

Probably the most efficient electrical radiant heater comes from KÜBLER. This is because we have set our highest infrared efficiency to date as the benchmark for its development. On top you benefit of the modulating operation combined with the smart CELESTRA control system, which automatically operates your heating system according to your requirements. In combination with infrared – probably the most effective heat transfer in the world – this allows for ELEXTRA's extremely economical energy consumption. Regardless of whether you use PV or mains electricity¹⁾. ELEXTRA is also virtually maintenance-free. Together with the low investment costs, this will win over even the most sober decision-maker.

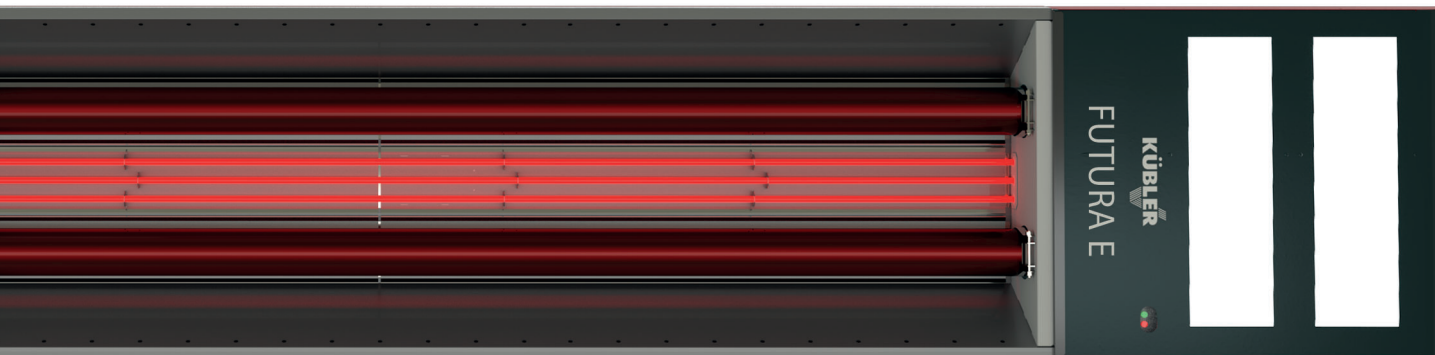


FUTURA E.

Use cheap PV electricity today. Be open for hydrogen tomorrow.

Deciding on the energy source of the future is like looking into a crystal ball. Today, electricity seems to be winning the race, but the hydrogen ramp-up is also gaining momentum. Experts agree: decarbonization needs electrons as well as molecules. Get in cheap and keep all your options open. With FUTURA E.

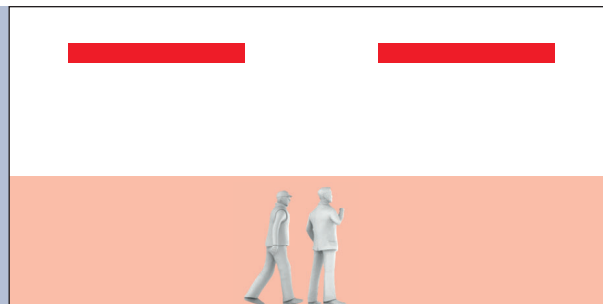
Can be easily retrofitted
for H₂ operation



Simple, affordable and open for future developments

FUTURA E is the electrical infrared heating system for anyone who wants to use low-cost PV electricity today and keep all options open for flexible heating with hydrogen or other biogenic gases tomorrow. FUTURA E can be easily and cost-effectively retrofitted for this purpose. A further development of the multi-award-winning FUTURA multi-energy IR heating system, FUTURA E is also a highly efficient 2in1-solution comprising hall heating and optional LED lighting in a single system. Economical, pragmatic and easy to install.

Infrared heaters transfer heat highly efficiently and without loss into the working zones, where they directly heat people and floors. Like the sun. Very effective, extremely comfortable and feels like underfloor heating.



Green electricity. Hall lighting.



Highly efficient infrared radiant heaters from the FUTURA E range with integrated LED light modules heat and illuminate the new hall building at Christoph Buxbaum GmbH in Langschlag, Lower Austria. Now run by the third generation, the family business specializes in roofing work, roof renovation, solar and photovoltaic systems, flat roof and terrace sealing as well as tinsmith, wood and crane work.

RES-PROJECT



FUTURA. Energy flexible, highly efficient and multiple award-winning: The patented multi-energy infrared heating system from KÜBLER.

The FUTURA generation has revolutionized the hall heating market. The world's first infrared radiant heater technology that is open to different renewable and conventional energy sources. Plus, it is the only 2in1-system that integrates LED hall lighting. Premium efficiency and multiple awards.

- ✓ World's first multi-energy infrared system
- ✓ High-efficiency technology from KÜBLER with 60 to over 70 % energy-, CO₂ and cost-savings
- ✓ Open for renewable and conventional energy sources, e.g. PV electricity, grid electricity, hydrogen, biomethane, methane, (biogenic) liquid gas
- ✓ Flexible in mono operation, bivalent or trivalent mixed operation
- ✓ Innovative combination of infrared radiant heaters and LED lighting in a single device
- ✓ Perfect usability
- ✓ 3 new patents, 1 utility model, 9 integrated patents on innovative processes and functionalities
- ✓ Economical, pragmatic and easy implementation in both, new hall constructions and the energy-efficient refurbishment of existing buildings
- ✓ Safe investment and GEG-compliant
- ✓ Made in Germany



Jointly at your service: Green electricity, H₂, Gas, Light.

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**GERMAN
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AWARD '23
WINNER**

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Special Mention**

PLUS X AWARD
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PREMIER-FINALIST
Großer Preis des
MITTELSTANDES

Multiple awards.
For the heat turnaround in industrial
and commercial buildings.



FUTURA

This world first from KÜBLER has revolutionized hall heating. So much so that this innovation represents a new key technology for hall heating that deserves its own name: **Fair.AldH**. This name is derived from the functionalities of these stunning hall heating systems and encapsulates them perfectly: **Fair.AldH** stands for Energy **F**lexible, **a**daptive, **i**nfrared,

AI driven, **H**all Heating. In short: for a completely new technological paradigm in hall heating. Made to make the transformation to CO₂-neutrality scalable, future-proof and economical for industrial, commercial and municipal hall buildings. By consistently utilizing the technical possibilities of the **Fair.AldH** key technology, it paves the way for future energy

autonomy. **Fair.AldH** reduces consumption to the necessary minimum and, at the same time, helps to feed in different renewable energy sources whenever they are cost-effectively available – ranging from volatile PV electricity to a wide variety of carbon-free gases and even self-produced hydrogen.

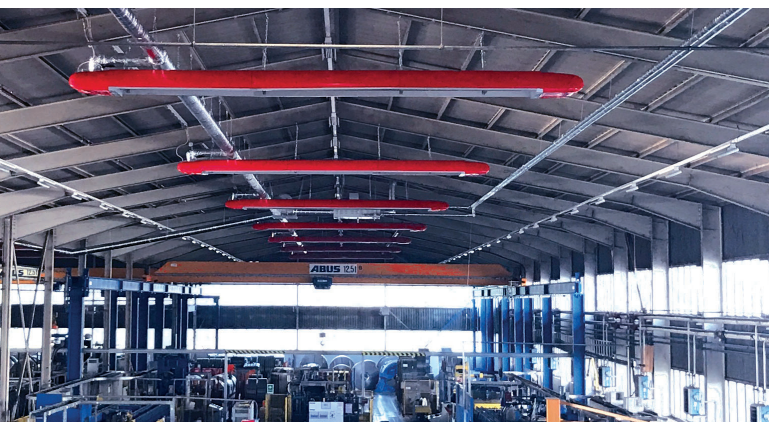
MAXIMA E-Hybrid.

Top efficiency meets green electricity.

MAXIMA stands for maximum energy efficiency in infrared hall heating technology. The economical high-performance line from KÜBLER is now open for green electricity. Ready for the energy revolution in your halls. As a classic version, as an e-hybrid or as a retrofit kit.



Expandable with:



A passion for efficiency

Compact, dynamic, powerful: the high-performance infrared heating system maximizes our highest radiation efficiency to a fascinating 80 percent. Now this highly efficient hall heating system can do even more: an additional 10 kW of electrical power from green PV or grid electricity as an option. The new MAXIMA E-Hybrid line thus stands for maximum cost-effectiveness in energy-efficient refurbishment including regenerative energy sources. Your benefit: exceptionally economical and environmentally friendly hall heating.

MAXIMA

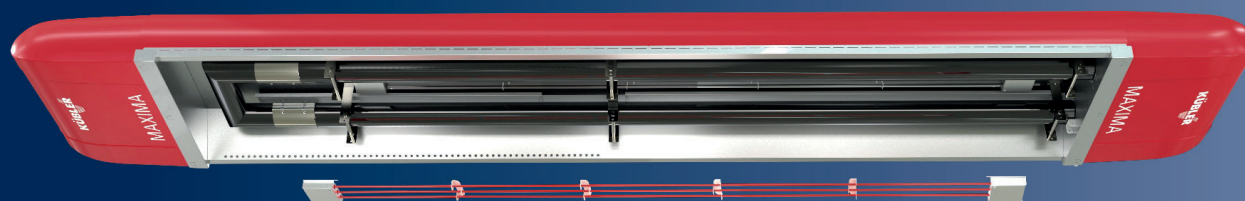
- Highly efficient operation with methane, biogas, (biogenic) liquid gas
- Ready to follow the H₂ transformation path – for maximum operational and investment security – H₂-ready
- Over 80 % infrared efficiency
- Wide range of types
- Top efficiency – Made in Germany

MAXIMA E-Hybrid

- MAXIMA high-efficiency infrared system
- Supplemented by 10.2 kW electrical heating output with automatic switchover when PV power is available

MAXIMA E-Hybrid Retrofit kit

How to make your highly efficient MAXIMA radiant heaters fit for the energy transition: with the E-Hybrid retrofit kit, you can bring green electricity into your existing systems. At any time. Quite simply as a retrofit kit and very convenient, fast and inexpensive.



ESG.

Loves the new E-Line.

E = Environment

S = Social

G = Governance

Gold or platinum – ESG loves the new E-Line

Infrared heaters from KÜBLER are a “milestone on the way to achieving climate targets”, according to our customers. No wonder, as our (bio)gas-powered technologies regularly achieve energy savings of 50, 60, 70 percent and more in heating refurbishments (i.e. even without renewable energy use). Though ESG reporting will not become mandatory for large companies until 2025 and for SMEs until 2026, new buildings are often built to the highest sustainability standards, e.g. DGNB, BREEAM or LEED. Use the potential of KÜBLER's leading heating technologies for your positive rating!



Member of

DGNB

CELESTRA.

Decarbonization can be navigated so easily.

CELESTRA operates your energy-saving electrical radiant heaters at the highest level of efficiency. Plus: The intelligent control cockpit from KÜBLER combines powerful functionalities with future-oriented expansion options. AI-supported and child's play to operate.

High-performance cockpit for greater efficiency

Transparency about every hour of operation, every temperature curve, every kilowatt hour of consumption, in short: about the entire system operation – that was a key requirement for the new CELESTRA. The aim was to run every hall heating system on the ideal heating curve and really avoid any unnecessary energy consumption. The results? Significantly reduced energy consumption, considerably lower CO₂ emissions and highly relevant cost savings. CELESTRA has become more than just the most modern control system from KÜBLER's development department. It has been patented several times and is expandable by smart efficiency modules even boasting an energy management in accordance with DIN EN ISO 50001. A high-performance cockpit to operate every heating system at maximum efficiency.

Intelligent. So easy to operate.

At the touch of a button, the new control system shows you all operating states. One View© via color display. The operating concept? It is child's play. The menu navigation? As simple and intuitive as a smartphone. The arrangement of the controls? Ergonomically designed. Everything to make controlling the heating even faster, easier and more convenient. By the way: From any desired location.

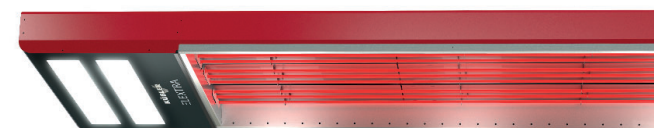
- ✓ Intuitive control cockpit for energy-saving hall heating systems
- ✓ Multiple patents
- ✓ Links and digitalizes heating processes
- ✓ Maximizes energy efficiency in hall heating operation
- ✓ Open for your BMS and PC world
- ✓ Modular design for needs-based configurations
- ✓ Flexibly expandable
- ✓ Choice of bus or star cabling
- ✓ Can be retrofitted in almost all KÜBLER systems
- ✓ Contributes to your efficiency targets, e.g. in accordance with DIN EN ISO 50001 or GEG
- ✓ An innovation by KÜBLER



Carbon-free heating.

One common goal – four individual solutions.

	Grid electricity, PV electricity	Hydrogen, (biogenic) gases, (biogenic) LNG	LED lighting (optional)	Automatic switching	Storage mode
ELEXTRA	✓		✓		✓
FUTURA E	✓	✓*	✓	✓	✓
FUTURA	✓	✓	✓	✓	✓
MAXIMA E-Hybrid	✓*	✓		✓	✓



INDIVIDUAL

* retrofit option



Supported by:



Implemented by:



The RES Project Austria is supported by the German Federal Ministry for Economic Affairs and Climate Action as part of the Renewable Energy Solutions Programme of the German Energy Solutions Initiative.

on the basis of a decision
by the German Bundestag

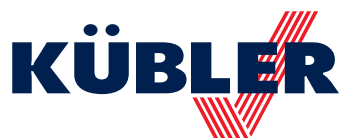
At a glance: The KÜBLER Group

KÜBLER GmbH is an internationally active group of companies and is regarded as a pioneer and innovation leader in modern infrared heating technology. The core business is the development and production of highly efficient premium technologies for energy-saving and climate-friendly hall heating. KÜBLER offers an exceptionally wide range of products for almost all types of halls and room environments.

Founded in 1989, the group of companies employs over 130 people and is one of the leading companies in the industry in Europe with locations in Ludwigshafen, Dresden, Hagen and Fegyvernek (Hungary) as well as numerous foreign agencies and a nationwide service network.

KÜBLER products and development services regularly receive awards. National and international awards include the "German Sustainability Award" and the "Innovation Award of the State of Rhineland-Palatinate" several times. KÜBLER is one

of the "Hidden Champions in the Palatinate" and a winner of the "High Customer Satisfaction" award. For its latest heating innovation, the FUTURA multi-energy IR system, KÜBLER is honored with six prestigious awards, most recently the PLUS X Award in 2024 and the BVMW Award "Zukunftspreis Mittelstand". In 2024, KÜBLER receives the prestigious "Premier Finalist" award at the "Großer Preis des Mittelstandes" for its entrepreneurial performance.



Energy Efficient Hall Heating

KÜBLER GmbH
Am Bubenpfad 1a
D-67065 Ludwigshafen
Tel. +49 / 621 / 57000-0
Fax +49 / 621 / 57000-57
www.kuebler-hallenheizungen.de

KÜBLER Anlagenbau GmbH
Sachsenallee 14
D-01723 Kesselsdorf / Dresden
Tel. +49 / 35204 / 220-0
Fax +49 / 35204 / 220-22
kontakt@kuebler-hallenheizungen.de