

GIRA

Innovative building
technology with smart
networking.



Gira System Integrators / Competent KNX Experts

System Integrators – competent KNX and IP experts.



System Integrators are experienced specialists in project management, consulting and commissioning for IP products. They support both private and commercial building owners, from the conceptualisation phase until their smart building is complete. Ideally, KNX and IP experts would support the client right from the very first day. This allows them to specifically address all of the client's wishes, coordinated with the room design and individually tailored to user behaviour. The System Integrator offers a full range of expertise to building owners and architects during product selection and planning, as well as before, during, and after commissioning.

Gira System Integrators are available to help anyone looking for even more service. They have additional qualifications, as well as excellent networks.

Both with the Gira brand and with around 300 Gira System Integrators in eight countries. The network is designed to benefit each individual customer.

Gira has also created an exclusive online platform for Gira System Integrators, as well as other Gira experts and market partners. The platform is a place where the community can deepen their product knowledge, ask technical questions, and share KNX and IP knowledge with users and specialists. In addition, Gira also offers a comprehensive educational programme and specialised, mandatory training sessions for Gira System Integrators – including on the key topic of data security.

At the international Gira showrooms, building owners and architects can experience the possibilities of networked building technology for themselves, based on the original.

[Find Gira System Integrators](#)

Intelligent solutions – for more comfort, security, and efficiency.



What is the importance of smart building in architecture?

“The importance of smart building is certainly growing in architecture today. More and more buildings are being outfitted with technical equipment, improving user comfort.”

Architect Werner Frosch, Henning Larsen,
in a DAB SmartTalks Interview

Smart home solutions are an essential feature of modern buildings. From commercial residential construction to private builders, today everyone can benefit from the many advantages offered by intelligent, networked building technology.

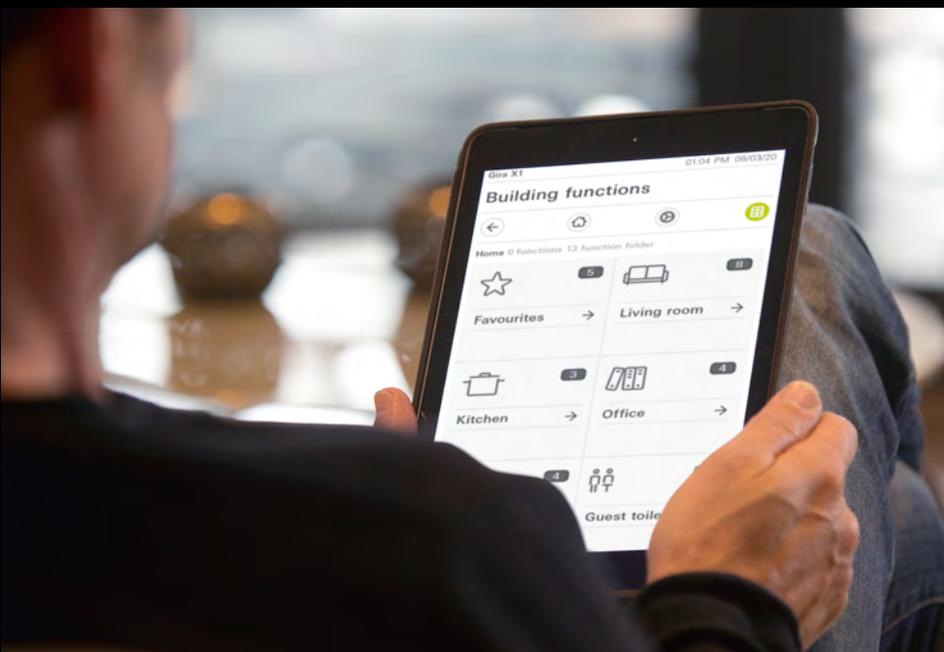
Intelligent building system technology has long been a feature of office, administrative and industrial buildings. Today, innovative solutions are delivering better comfort, safety and efficiency in private homes and resi-

dences as well. Intelligent door communication, automatic heating, light and shutter control, and other amenities can be added to smart homes. But when does a building truly become smart?

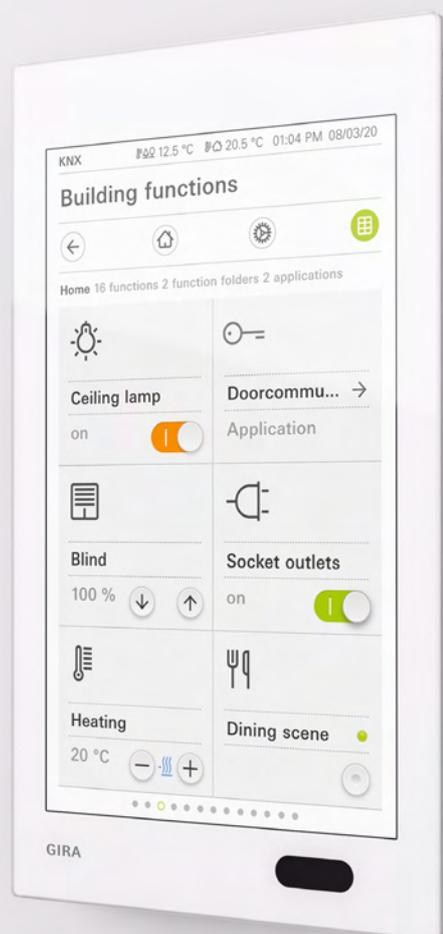
Smart TVs and electric blinds are not an indicator of an all-around “smart” home. Instead, a home becomes truly smart through intelligent networking between different smart functions. This kind of networking allows users to turn on the TV for movie night with the family, dimming the lights and lowering the blinds with a single touch. However, smart buildings do more than just react to commands.

They can also independently detect the user’s needs, automatically adjusting to the optimal setting.

A System Integrator can help ensure everything in your finished smart home works perfectly and is set up to meet your specific needs.



One standard connecting every need – compatible around the world.





What system advantages does KNX offer?

“A KNX system can be used to individually program and automatically control a range of building functions. This is extremely practical and convenient.”

Architect Jürgen Bartenschlag, Sauerbruch Hutton Architects, in a DAB SmartTalks Interview

Smart buildings weren't invented yesterday. The cabled, modular and cross-manufacturer KNX Standard has been used for networking intelligent solutions for three decades. The standard combines versatility, flexibility and compatibility in a single system.

KNX is internationally recognised and offers the largest selection of devices and largest range of functions in the smart building field. Today, over 500 manufacturers worldwide participate in the KNX Standard.

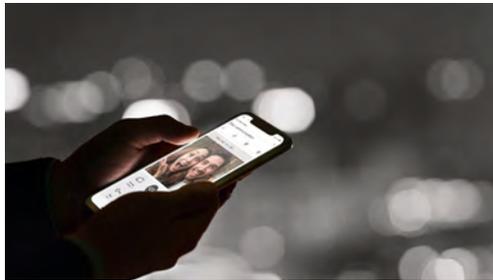
A KNX cable installed parallel to the power cable ensures the requirements for device networking are met. The “intelligence” of the intelligent system is distributed throughout all of the devices, the touch sensors (intelligent buttons) or control stations that replace traditional switches and transmit control commands to lights, shutters, the music system or other KNX-capable devices. Operation via a smartphone or tablet is simple thanks to the Gira Smart Home App, as is voice control via Amazon Alexa or the Google Assistant.

We recommend the Gira HomeServer as a central node in the KNX network. It can network entire buildings and their technical equipment either internally or externally. The Gira X1 is the ideal alternative for small Smart Home Systems, for instance in single-family homes. Lights, shades, and the heating system can be controlled and automated easily using a smartphone or tablet. KNX can also be operated in a basic variant, without a central server.

KNX is future-proof. The cross-manufacturer system can be expanded as needed, and is already well-prepared to meet the needs of future product generations. New devices can be integrated into the system at any time, without having to open up the walls again and install new cables. And since KNX can handle internet protocol/IP, the system is also suitable for the solutions of the future.

Find out more

Secure Smart Home – minimising digital risks.



Modern buildings today are equipped with a wide range of products, applications, and components that are either internet-capable or already connected to the internet. However, as digitization advances, data security requirements also increase.

In a smart building, everything can be controlled digitally. Of course, it is important to ensure that only authorised individuals have access to the controls. Unfortunately, unauthorised persons can try to penetrate the system. For most people, protection primarily means software. However, hardware can also be subject to physical attacks against a building. Both hardware and software must be protected against unwelcome external access.

Today, in-house data security requirements need to be kept as high as possible. That is why Gira System Integrators are always experts in data protection. They understand how to assess existing hazards, provide easy-to-implement tips on data protection,

and help building owners secure smart objects in the best way possible. The Gira S1 is at the top of the recommendations list from System Integrators.

The Gira S1 is the perfect data protector for your home. Alongside the KNX Secure security standard, it helps ensure sensitive data remains protected.

To do so, all data transmissions are encrypted and unauthorised access is prevented via password protection.

In combination with the Gira X1 or Gira HomeServer, you can connect to your home outside of the building as well, from anywhere in the world. Remote access is handled conveniently with complete data protection over a smartphone or tablet using the Gira Smart Home App. And with servers located in Germany, the system always complies with the European General Data Protection Regulation (EU GDPR).



Reduce costs for decades to come.



Buildings constructed today are designed to be used for many decades. Smart technology delivers sustainable solutions.

Intelligent and fully-automated controllers for building technology offer an enormous potential for savings. Areas such as heating, light, shade and indoor ventilation with heat recovery provide multiple opportunities for improving energy-efficiency.

Intelligently regulated heating systems make sure buildings are not overheated during the winter. In summer, automatically controlled shutters, blinds, and other shades protect the building from external heat.

The combination of photovoltaic systems and heat pump technology, smart lighting systems with occupancy detectors, and switch functions like "Central off" as well as intelligent garden watering can be used to create additional smart and sustainable solutions.

Unite health and wellness.



What's your vision for intelligent building?

“For us, the focus is on bringing human nature, technology, and all of the other aspects of the space into a smart balance. That is when people truly experience wellness”.

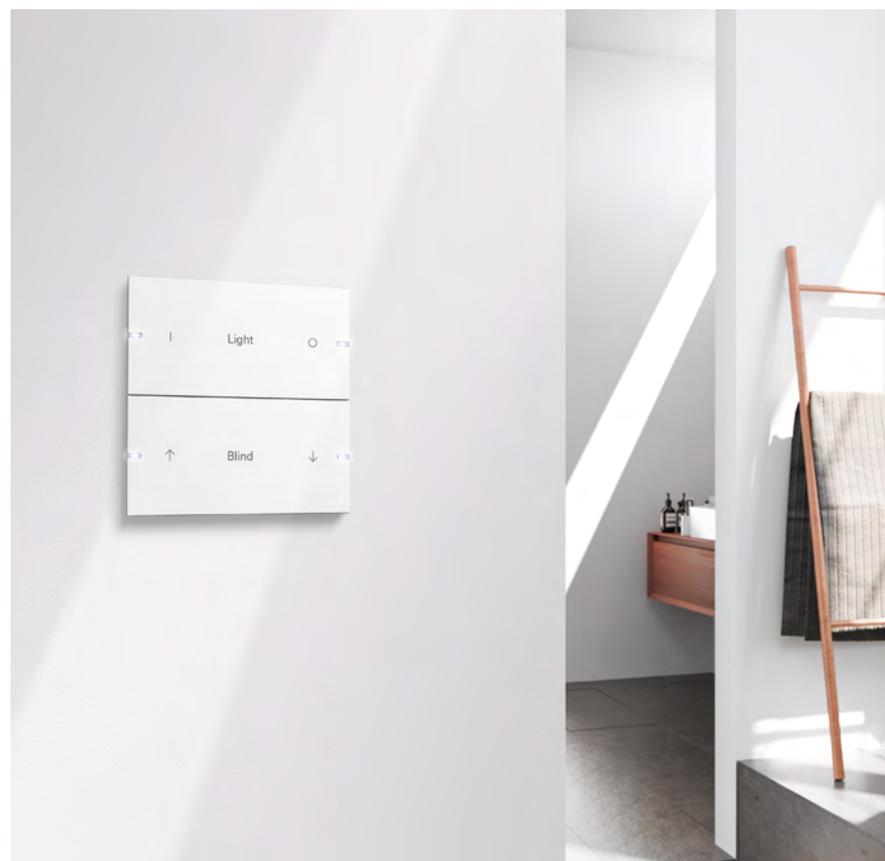
Ester Bruzkus and Peter Greenberg, Ester Bruzkus Architects, in a DAB SmartTalks Interview

Wellness for the home has been a popular topic for quite some time. Today, healthy living environments are becoming more important as well. Healthness unites these two trends.

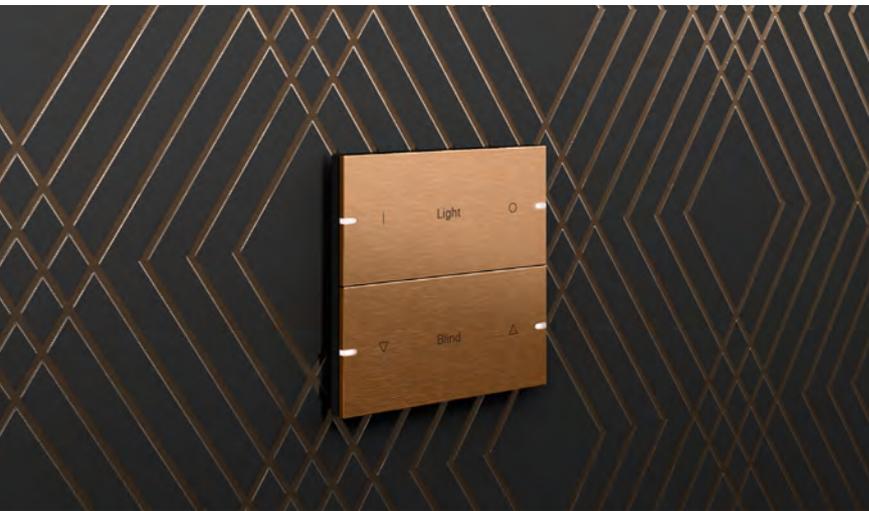
We spend almost 90% of our lives indoors. Smart technology helps create comfortable living and working environments. Comfortable temperatures are essential, generated by on-demand heating. But intelligent solutions can do even more.

Occupancy detectors sense how many people are in a room. This information is transmitted directly to the ventilation system, which can then open the window automatically to supply fresh air.

Daylight-dependent lighting control can also have a positive influence on health. Bathrooms can also be upgraded to create a smart home spa if desired, fulfilling an all new purpose as part of your personal health strategy.



Smart technology to enjoy.



If the goal is more comfort, then there's almost nothing intelligent building technology can't do. Automatic temperature, light and shade control, smart TV and entertainment solutions, and lots of other innovative ideas for indoor and outdoor spaces generate added value.

An intelligent building adapts to its residents. Instead of having to put the shutters up and down several times a day throughout the house, opening and closing windows manually for ventilation, a smart home handles all of these tasks for you. Once the system is programmed, everything runs automatically. If user behaviour changes, the settings are simply adjusted to match.

Smart living is more comfortable, in every respect. In the morning, shortly before the home owners wake up, the curtains in their bedroom open slightly, allowing the light of dawn to filter in. While they are driving home from the office, their heating system is bringing the home to their desired temperature. Once they have arrived, just a touch will dim the light and close the curtains.

Building security – Protecting people and property.



How important are safety security in smart buildings?

“The advantages of smart technology bring building safety to an all new level”.

Partner and Managing Director Sebastian Schöll,
KSP Jürgen Engel Architects, in a DAB SmartTalks Interview

Intelligent building technology from Gira makes both private and commercial buildings more secure. This ranges from increased protection for the building shell to minimising the risk for accidents, to fully-encrypted remote access.

Did we turn everything off? This question is easy to answer, even on the go, from your mobile phone. Use the “Central off” function for even more reliability. It not only disconnects unneeded “energy hogging” devices from the power grid, it also turns off potentially dangerous appliances like a stove or an iron.

In addition, legally required smoke detectors provide added safety. Motion detectors indoors and out ensure everything is always well-lit.

With innovative Gira door communication, you also always know who is outside the door. With remote access, you can even know if you aren't at home.

Intelligent control – see how simple smart can be.



How do you operate the technology in networked buildings?

“You practically don’t need light switches any more, because everything can be custom programmed and controlled with a gesture, voice, or touch sensors”.

Architect Andreas Moser, cyrus | moser | architects, in a DAB SmartTalks Interview

No matter how complex a system is, Gira makes it easy to control for any user, via smart switches, wall displays, or voice assistant using the Gira Smart Home App.

Smart living should be intuitive to operate, and protected against external access. Gira combines these advantages with other properties like high-quality design, excellent material quality and reliable programming. The building controller best suited in each case depends on the project and personal needs of the owner.

The Gira KNX button is a classic choice for controlling smart technology. The Gira touch sensor 4 can easily be integrated into the network to access a variety of functions directly at the push of a button.





Networking products from different manufacturers.



What are the advantages of comprehensive system solutions?

“System solutions make it easier to implement intelligent building functions. It is important that manufacturers cooperate and create common interfaces. This is essential for ensuring the individual systems work together reliably and securely”.

Director and authorised representative Nina Bendler,
KZA Koschany + Zimmer Architects, in a DAB SmartTalks Interview

The unique added value of intelligent building technology is in its ability to connect. Smart networking is essential for taking full advantage of all the exciting possibilities this technology offers.

The KNX Standard has been solving the challenge of making smart products compatible across brands, disciplines, and rooms for decades.

Gira is one of five companies that founded KNX (formerly EIB).

Today, 56% of all smart buildings are networked based on KNX. If we consider how many smart building technology products Gira alone offers, the scale of the standard quickly becomes clear. It can also be used to network KNX-based solutions from another 500 device manufacturers. What counts above all are smooth links and functional safety.

The clever design of a smart home delivers smooth networking and coordinated function between all components. KNX is the right choice in the long-term as well: buildings equipped with KNX are ready for future additions and retrofits. Gira relies on KNX as well, and on collaboration with KNX affiliated brands, the only way both private and commercial clients can develop optimal solutions. Gira System Integrators are responsible for designing those solutions.



Being innovative means thinking beyond your own four walls.



What do you believe is the foundation for forward-thinking building technology?

“Each innovation always has to be an answer to a human need. After all, people are at the heart of all of our product developments”.

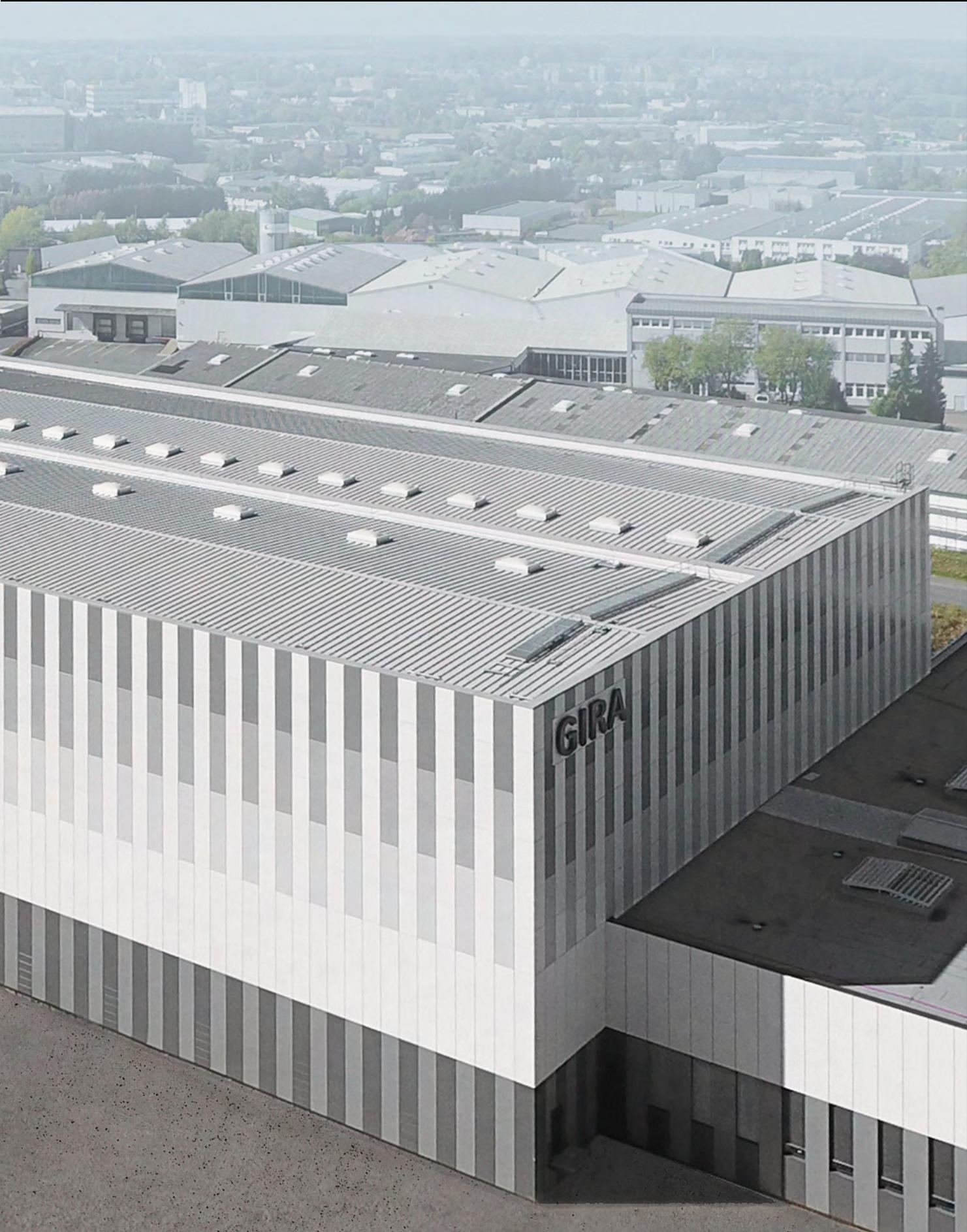
Dirk Giersiepen
Managing Director, Gira Giersiepen GmbH & Co. KG

We are Gira. We are the ones with the switches. But we're so much more. Future-oriented. Certified. Responsible. We're the guardians, innovators, Smart Home pioneers, developers, systems thinkers, KNX partners, shapers of the future, patent masters, award winners and designers. But above all, we're the ones who listen. To you. Subtle, but smart. With a distinct focus on quality, materials and functions. And the driving force of innovation. In our hearts, we are engineers on a mission to inspire. With new technologies, smart applications, and impressive attention to detail. We will always work our hardest to find the best solution for you. With service, design and performance Made in Germany. Because that is what we stand for. And have been standing for since 1905.

Gira has been producing products at its location in Radevormwald for more than 100 years. The company is fully committed to the “Made in Germany” quality standard. This is what 1,250 employees from 27 nations work for – each and every one of them with different talents, individual expertise, wide-ranging experiences and different life stories. This diversity – supported by common values – is the basis for our creativity, innovative strength and viability for the future.

Innovative technology meets excellent design.

Gira has always aspired to combine maximum functionality and reliability in a unique design. With a host of international design awards to their name, our stylish product lines set new standards in development and innovation.



GIRA

SystemIntegrator

Specialist for
intelligent building technology

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