

EisBaer Software

SMARTER WORLD



EISBAER PRODUCTS – SMARTER BUILDINGS – FUTURE PROOF

EisBaer
products.
Smarter
buildings.
Future proof.

Our vision

EisBaer software connects people and technology.

In the „Babylon of systems“, EisBaer software creates the link between different automation technologies and protocols, the IoT world and people. With it's simple, intuitive handling, the high flexibility and adaptability, EisBaer software will change the way people interact with their smart homes / buildings.

We create cognitive buildings that are able to autonomously learn system and user behaviour to optimize performance and adapt to changing conditions.







Smart Home



Ambient Assisted Living



Hospitals



Smart Office



Industry



Hotel



Schools & Universities



Car parks



Shopping Center



Airports



E-Mobility



Smart Grid



Boats



Sport facilities



Prisons

LEGEND



Lighting



Shading



Heating, Ventilation,
Air conditioning



Energy
management



Logic & Time



Video surveillance



Audio-,
Video Integration



Data analytics



Alarm
management



Monitoring



Dynamic
load management



Door communication &
Access control



Room automation



App-Control



Voice assistant



Light scenes



Notifications



Cloud Connection



AI – Artificial Intelligence



Security

The world of EisBaer

Diverse & professional.



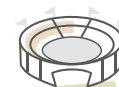
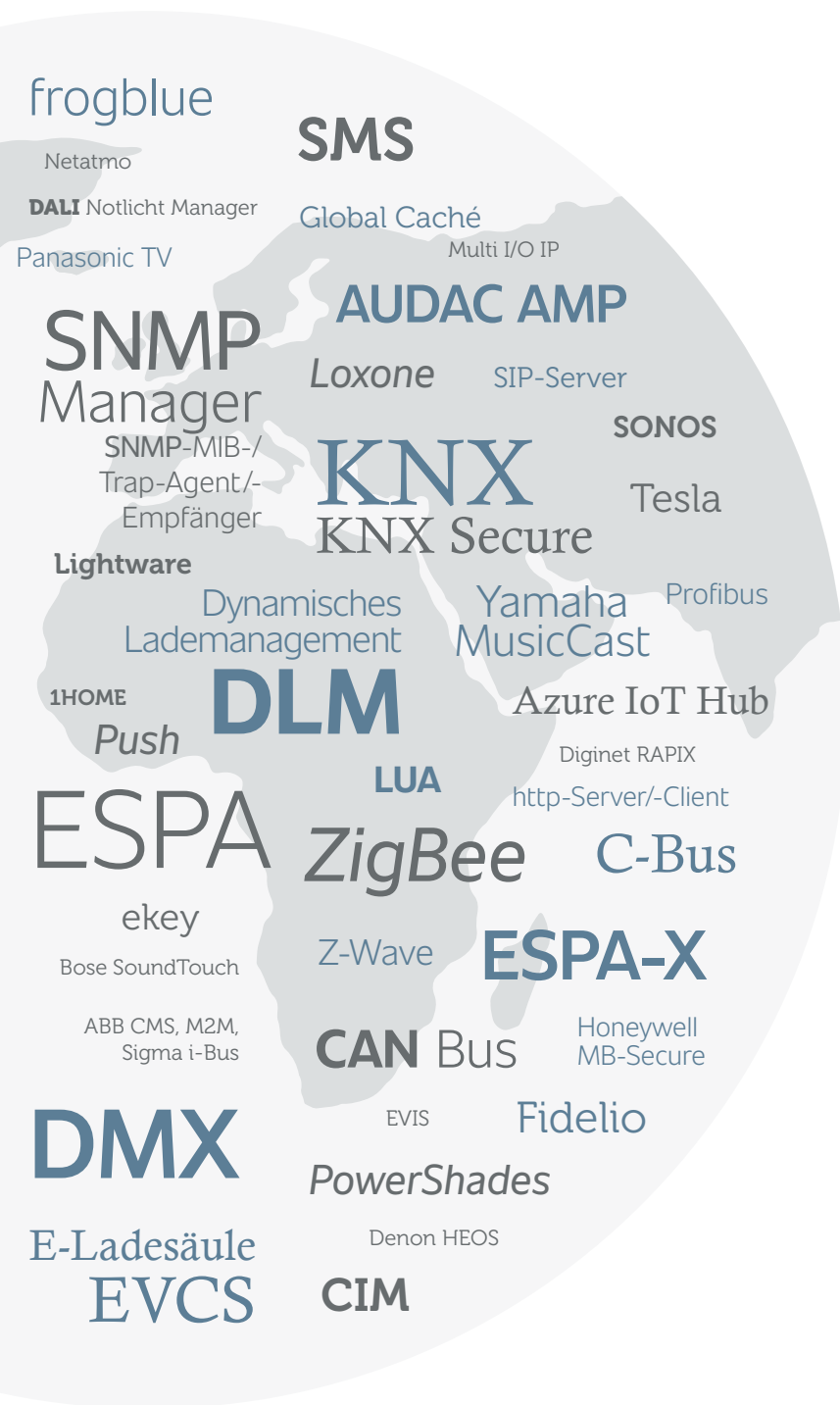
OBJECTIVES.

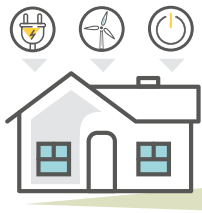
EisBaer is a multi-protocol gateway visualization for creating intelligent, efficient and safe buildings. Less energy consumption for more sustainable buildings and therefore lower operating costs.

EisBaer solves the problem of connectivity between the various systems of building systems engineering. Areas of application are residential, commercial and industrial buildings.

The ease of use for installers and operators alike ensures a significant ROI (Return of Invest). Fast implementation of the integration of the classic building system and IoT technologies under one graphical interface. Future-proof modern buildings can thus be controlled via any computer, web browser or smart device (smartphone/tablet).







Smart Home

Energy efficient & safe.



- Integration of lighting systems
- Blinds, roller shutters & awning control
- Optimal room temperature adjustable
- Security applications
- Home energy management system (HEMS)



LIGHTING CONTROL.

Light is life.

- Creating lighting scenes for every occasion
- Central on / off from home or remotely
- Panic lighting
- Seamless integration of Philips Hue and other IoT products

HEATING AND CLIMATE.

Efficient and comfortable.

- Optimal individual room temperature individual depending on needs
- Night or absence regulated
- ECO / comfort mode
- Adapted to the rhythm of life

SHUTTER, SHUTTER & AWNING CONTROL.

Flexible and secure.

- Flexible operation by room, floor, or entire building
- Sun position, temperature or time depended
- Storm, rain and frost protection





Ambient Assisted Living AAL

Simple & reliable.



- Automatic building functions, easy and understandable
- Voice assistant (online or offline)



AUTOMATIC SYSTEM FEATURES

- Modifiable functions coordinated on the skills and abilities of older people
- Automatic lights, blinds, and heating control
- Night lighting – the way to the toilet in the right light
- Presence detection
- Stove shutdown

INFORMATION SYSTEMS.

- Electronic peephole
- Electronic scale
- Digital medical records
- Appointments and reminders
- Acoustic and visual notifications
- My house community
- My fitness

ASSISTANCE SYSTEMS.

- Voice assistant – lighting, blinds, heating control and status queries
- Fall detection and alarm
- Geocoordinates can help with the mobility needs of the elderly, not only at home, but also on the go





Hospitals

Confident & efficient.



- University Hospital Halle – Germany
- Helios Hospital, Erfurt – Germany
- St. Vincenz Hospital, Paderborn – Germany
- Westmead Hospital, Sydney – Australia



LIGHTING CONTROL.

Well-being and quick regeneration.

- Day and night control of the lighting
- Human Centric Lighting as effective biological lighting – factors like Illuminance and color temperature will be considered
- Circadian rhythm for a healthy biological rhythm, a faster regeneration and satisfied employees

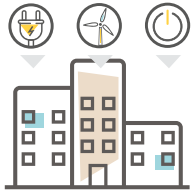
ALARM AND OPERATION MANAGEMENT REPORTING.

- Alarm manager with recording of messages according to DIN 19235
- Technical alarms
- IT network monitoring
- Emergency power system monitoring
- Monitoring of technical gases
- Error message notifications via SMS, email, push

VOICE ASSISTANT.

- Offline voice control for lighting, shading and patient TV





Smart Office Economical & safe.



- Barangaroo International Towers, Sydney – Australia
- Parliament House, Canberra – Australia
- Conde Nast, Munich – Germany
- WeWork, Munich – Germany
- ABB Office, Vaasa – Finland
- MB Center, Stuttgart – Germany
- Nest Empa, Dübendorf – Switzerland



THE OFFICE OF THE FUTURE.

Changing work environments and new office forms arise. The strength of the **Smart office** is about a quick and flexible adaptation to the changing work processes and the needs of the employees.

Cognitive building solutions with **EisBaer** are able to autonomously learn system and user behaviour to optimise performance use less energy, generate lower operating costs, contribute to a sustainable environment and deliver a significant ROI (Return of Invest).

OPTIMAL WORKING CONDITIONS.

- Control of room lighting and air quality in dependency of occupancy
- Heating, ventilation and air conditioning (HVAC)
- Daylight-dependent brightness and color temperature control

SPACE MANAGEMENT SOLUTIONS.

- Hot desking, signposting system
- Meeting room bookings
- Optimized use of space
- Identification of energy waste and inefficiencies
- Cleaning and catering to depending on the usage of meeting rooms

FACILITY MANAGEMENT.

- Energy management – full transparency of energy consumption
- Dynamic load management for EV charging parks
- DALI emergency light test and report
- People counting – space utilisation





Hotels

Efficient & user-friendly.



- Intercontinental Hotel, Perth – Australia
- COMO The Treasury, Perth – Australia
- Arctic Fox Igloos, Ranua – Finland
- Haawe Boutique Apart Hotel, Rovaniemi – Finland
- Steigenberger Hotel, Frankfurt – Germany
- Baur Au Lac, Zurich – Switzerland





PROPERTY MANAGEMENT SOFTWARE.

- Connection to Hotel PM software (Fidelio, Protel ...)
- Event room management
- Access control
- Automatic maintenance manager

GRMS.

Guest room management system.

- Engineering dashboard for room status as well as MUR and DND
- Scene control during check in / out
- Ads on Hotel TV
- Room occupied status
- BYOD – Bring your own device – App control on guest smart devices

ENERGY MANAGEMENT.

- Room-specific temperature specifications
- Setpoint adjustment for busy / unoccupied or open windows
- Peak load management
- Loading management underground car park with allocation of charging station at check in
- Transfer of consumption data to the guest account





Industry

Safe & energy saving.



ENERGY.

- Energy management
- Peak load management
- Trend analysis
- Benchmarking of different branches or locations

OPERATIONS SAFETY.

- Fault reporting management with recording of messages according to DIN 19235
- Machine data acquisition and evaluation
- Process optimisation
- Notification by email, push or SMS text
- Alarm server connection with shift plans
- Operating hours calculation – maintenance information

SAFETY.

- Loading bay management
- Gate controls
- Video surveillance
- ESPA pager connection



- L'Oreal, Karlsruhe – Germany
- buttinette, Wertingen – Germany
- IMO Oberflächentechnik GmbH, Königsbach-Stein – Germany
- MEDOCHEMIE, Limassol – Cyprus



Schools and universities

Efficient and future-oriented.

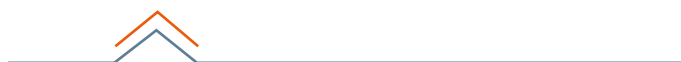


ORGANISATION.

- Timetable
- Substitution plan

ENERGY EDUCATION.

- Energy data acquisition per classroom
- Energy dashboard as teaching material
- Energy consumption ranking by classroom



- Mittweida University of Applied Sciences – Germany
- Neckargemünd School Center, Heidelberg – Germany
- Asam-Gymnasium Munich – Germany
- Comet Bay College, Secret Harbor – Australia
- Monash University, Melbourne – Australia



Car Parks

Safe & user-friendly.



- Skypark, Canberra – Australia
- Car park Cologne-Bonn Airport – Germany

ENERGY.

- Load management > 100 EV charging points
- Integration of PV system and battery storage

SAFETY.

- Access control
- Video surveillance
- Busy display
- Ventilation control



Shopping Center

Safe & efficient.



LIGHTING.

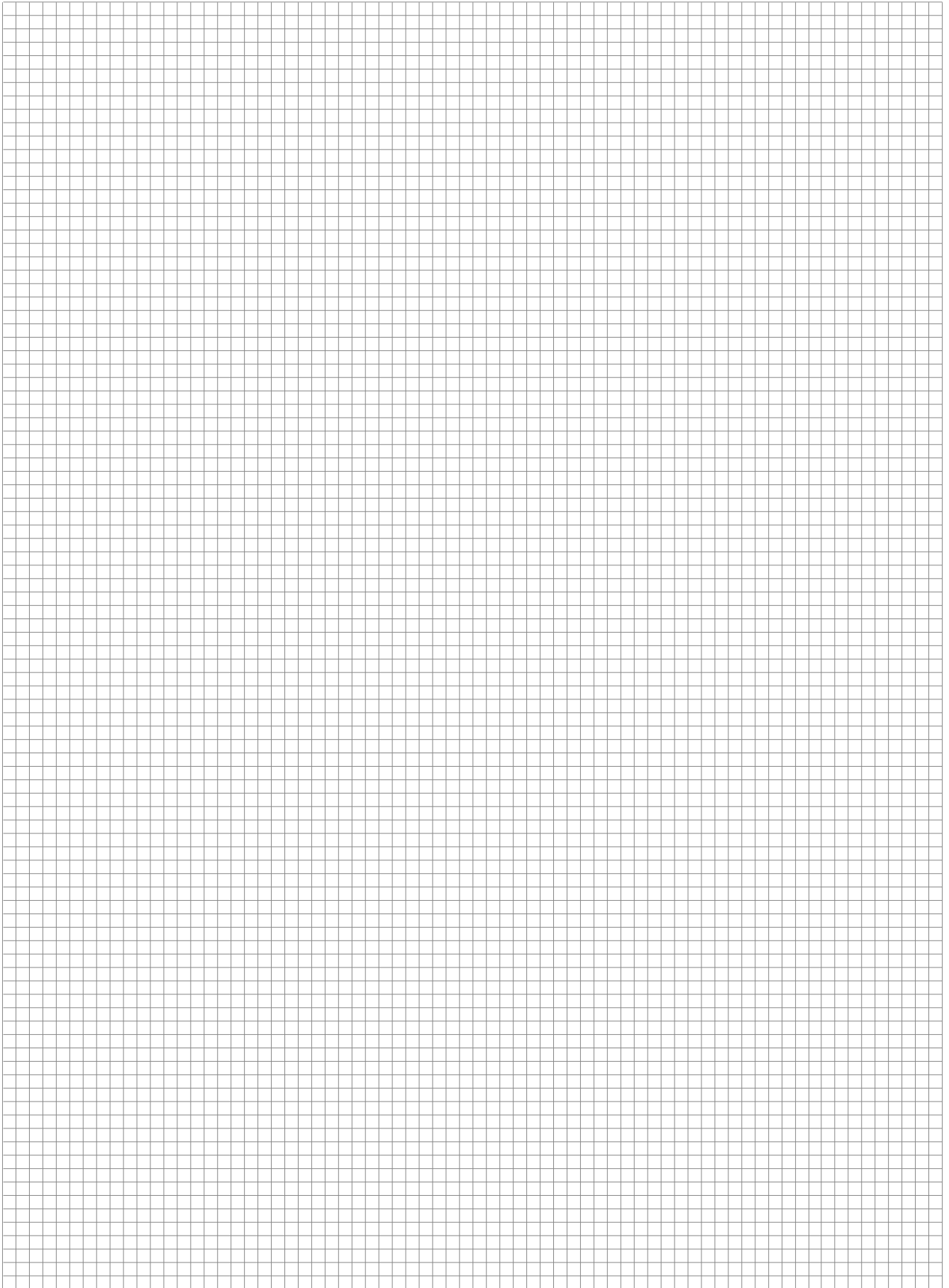
- Time, movement or daylight-dependent lighting control
- Architecture and event lighting
- DALI emergency light test and report tool
- Operating hours calculation – maintenance interval

ENERGY.

- Energy data acquisition
- Alerts
- Branch evaluations

- ECE, Wetzlar – Germany
- Leinecenter, Laatzen – Germany
- Chadstone Shopping Center, Melbourne – Australia
- Sylvia Park, Auckland – New Zealand







CONNECT.

VISUALISE.

OPTIMISE.

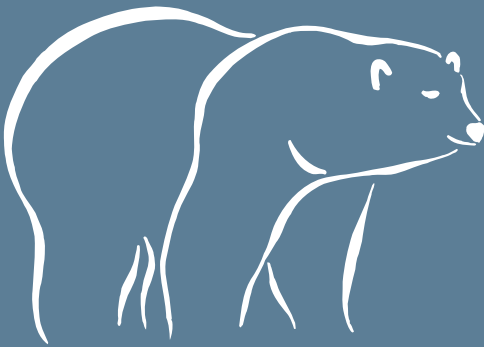
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CONNECT. VISUALISE. OPTIMISE.



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