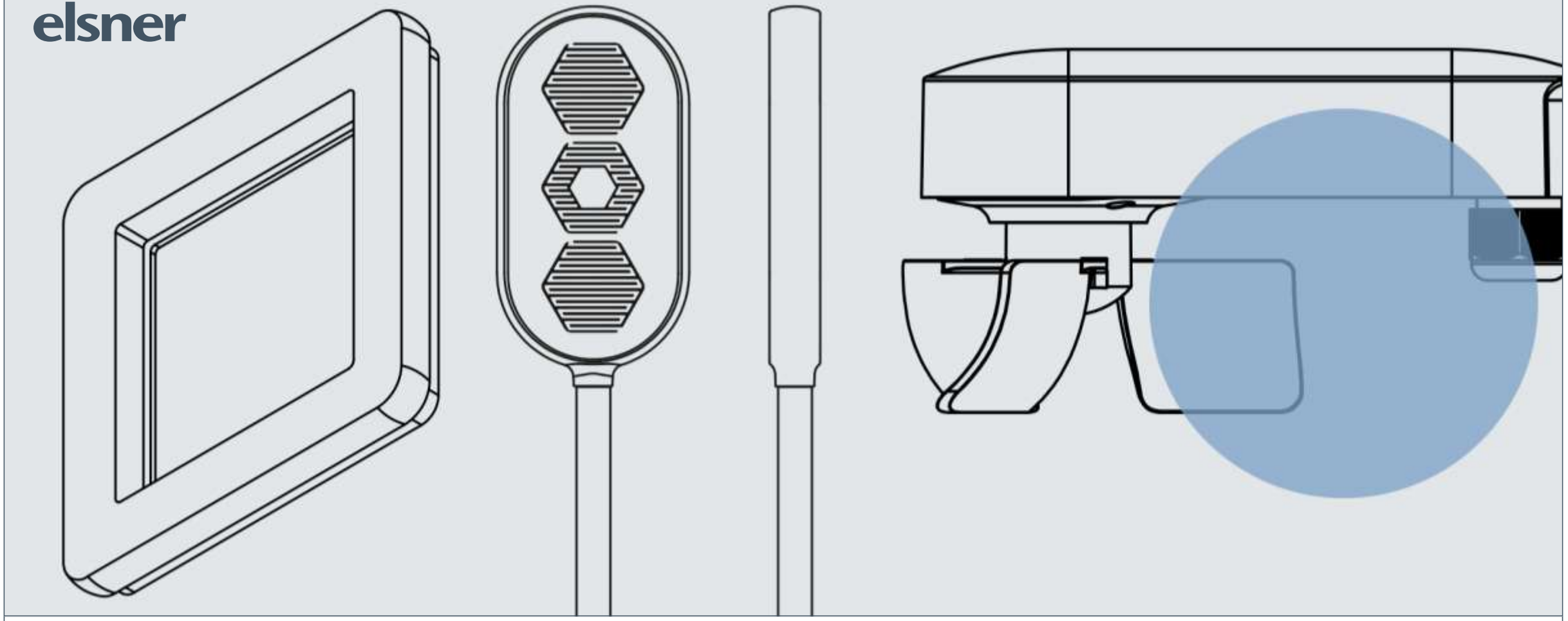
elsner



Light + Building 2026 Innovations

Applications, Functions, Integration

Henry Kohl & Bastian Elsner | 01.04.2026

» We are your speakers today

Henry Kohl

- Sales Manager
- Customer & Project Consultant
- KNX Partner & Enthusiast

Bastian Elsner

- Managing Partner at Elsner Elektronik GmbH
- Responsibility: marketing, sales, development, production, purchasing, logistics, service

» Light & Building

in Pictures

Learning goals

| After this webinar, you will be able to

- ✓ Incorporating Elsner's new products into your project
- ✓ Use the default settings
- ✓ Understanding the basics of KNX Secure

AGENDA

1. Hotel Solutions
2. Weather sensors
3. KNX Push-Button Series & Project Applications
4. Examples of KNX Secure Parameters
5. Outlook for 2026

elsner

01 | Hotel Solutions

Cala 101 T KNX sec

| Room Temperature Controller

- Heating controller/thermostat with setpoint adjuster
- Glass surface with temperature display and +/– touch buttons
- Can be configured as a master controller or a slave unit
- Use KNX Data Secure for encrypted data transmission

KNX eTR 102 FC

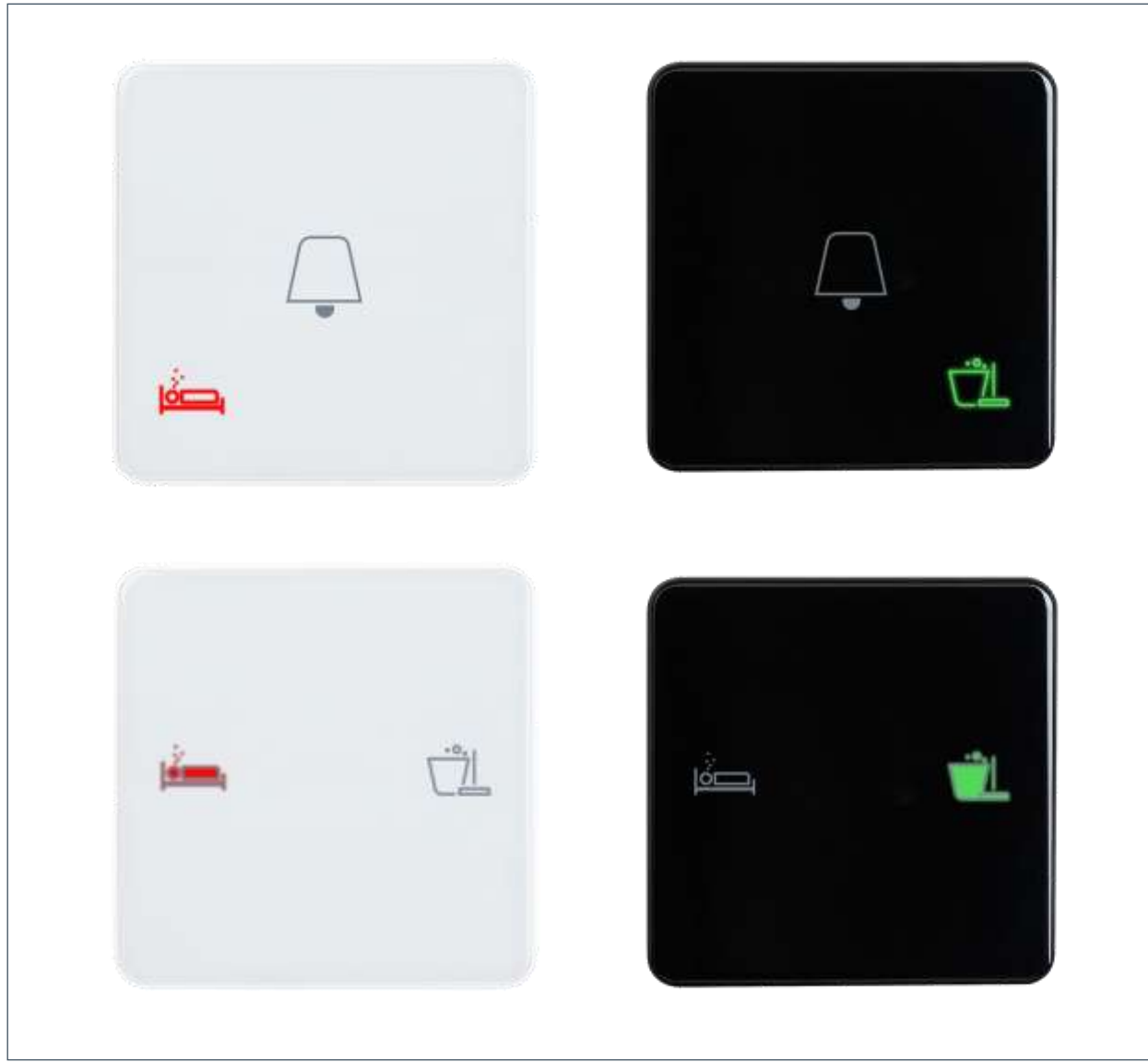
| Control unit for fan coil applications

- Room thermostat
- FC = Fan Coil
- Individual control of heating and cooling capacity in fan coil units
- 3-speed fan speed control

KNX eTR DND/MUR

| Switches and displays for hotel rooms

- DND - Do not Disturb
- MUR - Make up Room
- Doorbell function and status indicator in the hallway
- Checking the status via KNX
- Integrated temperature sensor
- 2 binary inputs
- Logic functions



Introduction

| KNX eTR DND/MUR

Video clip: “DND/MUR switches and displays for hotels from the KNX eTR series“

Watch on YouTube ▶

02 | Weather Sensors

BX8 KNX

| Expansion for more façades

- Expansion with 8 façades for large buildings
- Shading, including slat and shadow edge tracking
- Protection against rain, wind, and frost
- Timers
- Uses a KNX weather station as a sensor
- Additional KNX wind sensors can be integrated for each façade

Rainswitch 1000 R GI

| Rain sensor

- The Rainswitch 1000 R GI detects precipitation and sends a rain alarm signal via a dry contact output
- Compact dimensions: 90 × 46 × 12 mm
- Comes with a 1-meter power cord
- Sheet metal bracket for easy installation and angle adjustment
- Includes a 3M adhesive pad for easy, secure installation on metal brackets or building surfaces

Suntracer pro BACnet

| Weather station BACnet

- First BACnet weather station on the market
- Suntracer Pro model with ultrasonic wind measurement
- Created in collaboration with the MBS GmbH
- BACnet weather station with sensors for :
  - Brightness including shading control based on the sun's position and louver tracking
  - Wind speed and wind direction
  - Precipitation
  - Temperature, humidity, air pressure
  - Timer functions
  - Weather-related logic (wind, rain, shading) does not necessarily have to be managed and processed through a building management system

BacEye

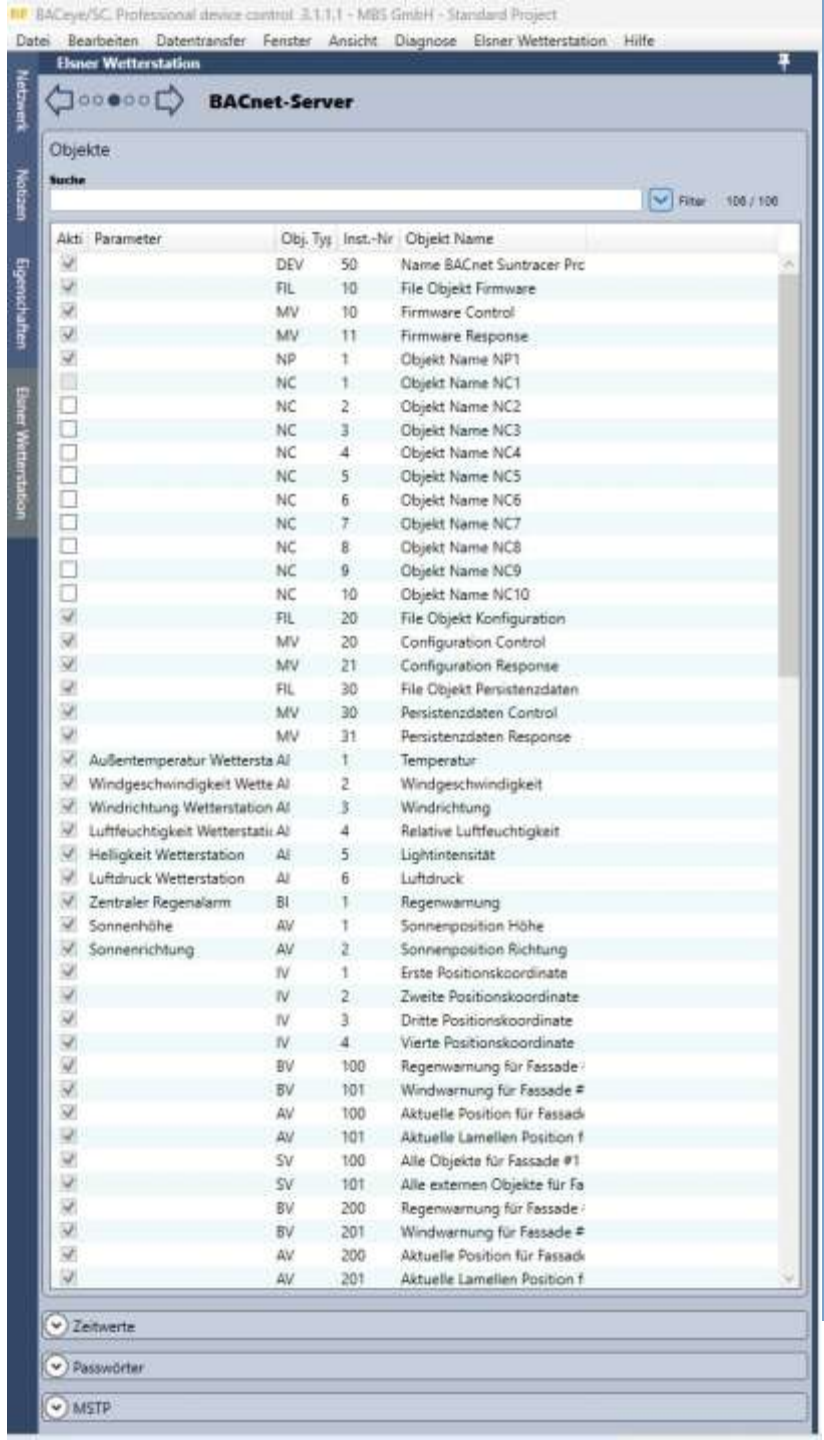
| Available devices

- If the building management system fails, the weather-dependent functions will still work if communication is established directly via BACnet
- The weather station can already display images of 12 façades without requiring the use of a building management system
- Fewer gateways = fewer points of failure & lower latency
- Cost savings through fewer gateways
- Commissioning can be performed by an MSR/HVAC technician if necessary

BacEye

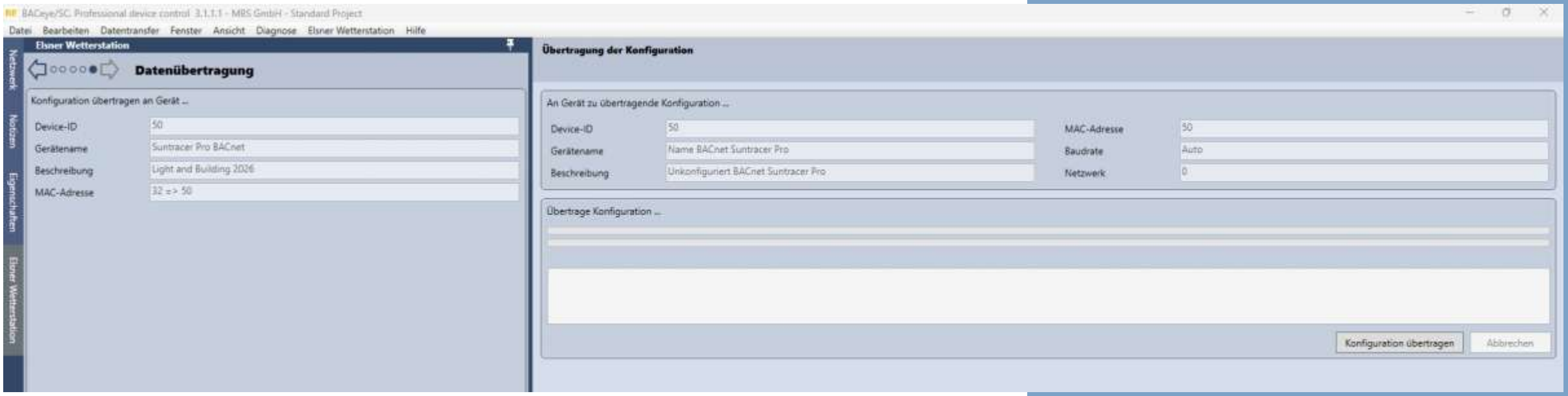
| data points

– Very specific data points/values and their processing (azimuth/elevation...) already take place within the weather station



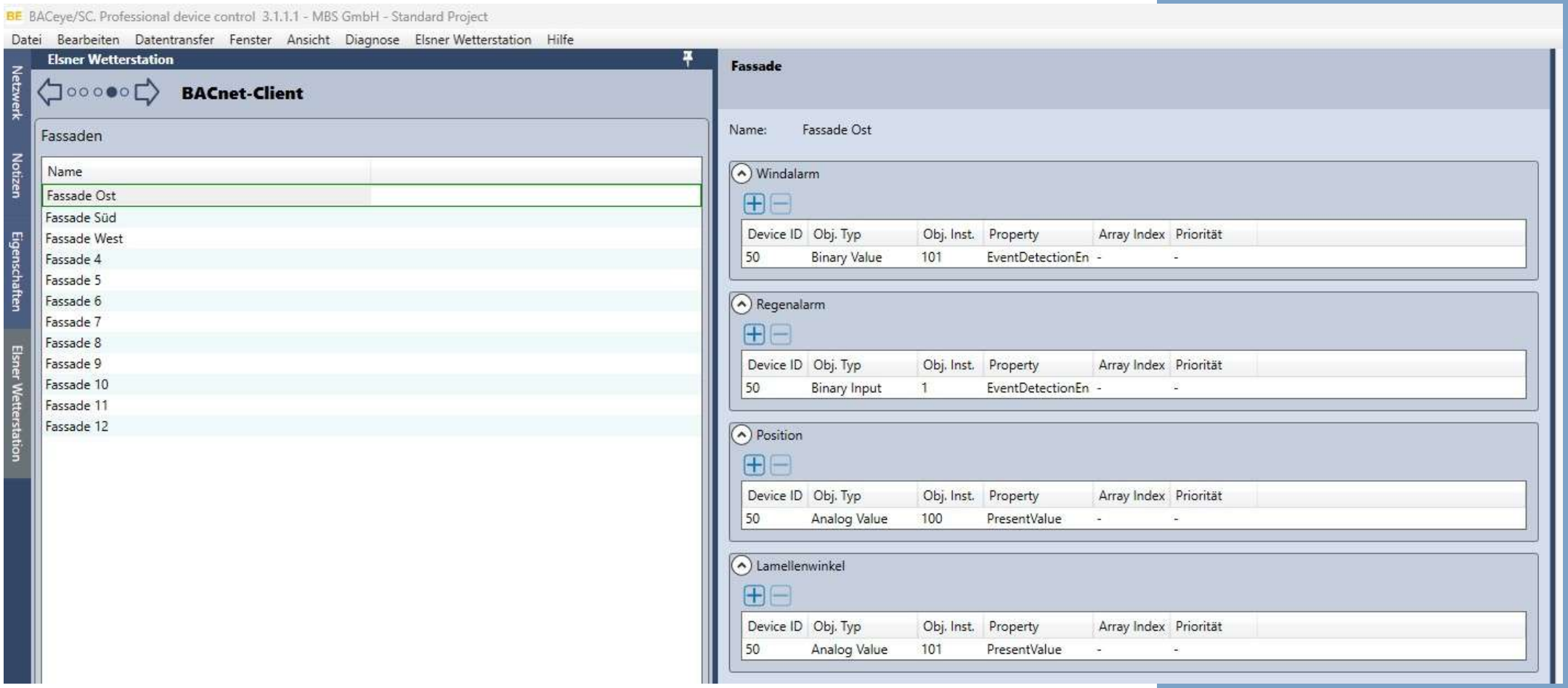
BacEye

| Data transmission



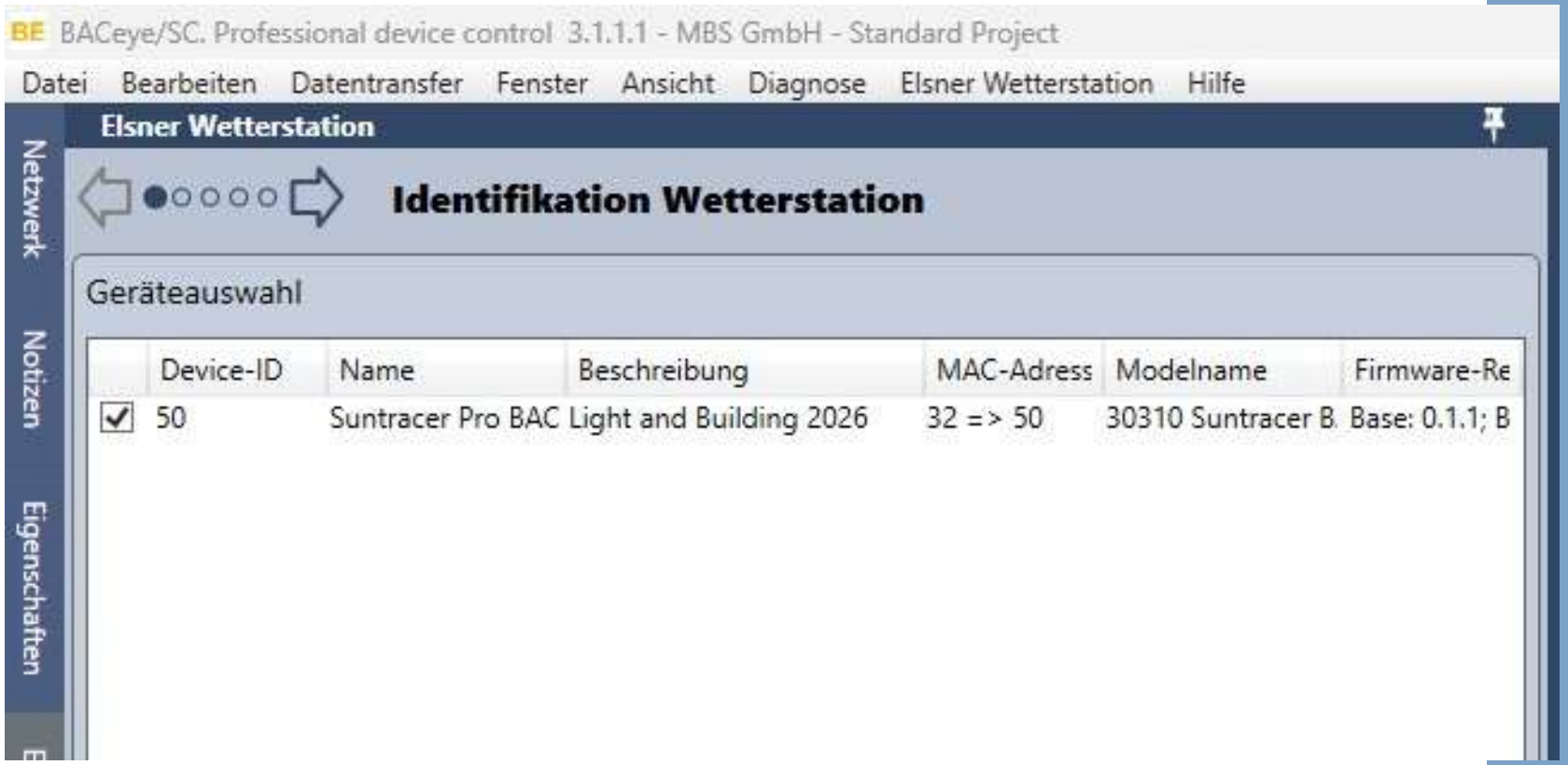
BacEye

| Façade settings



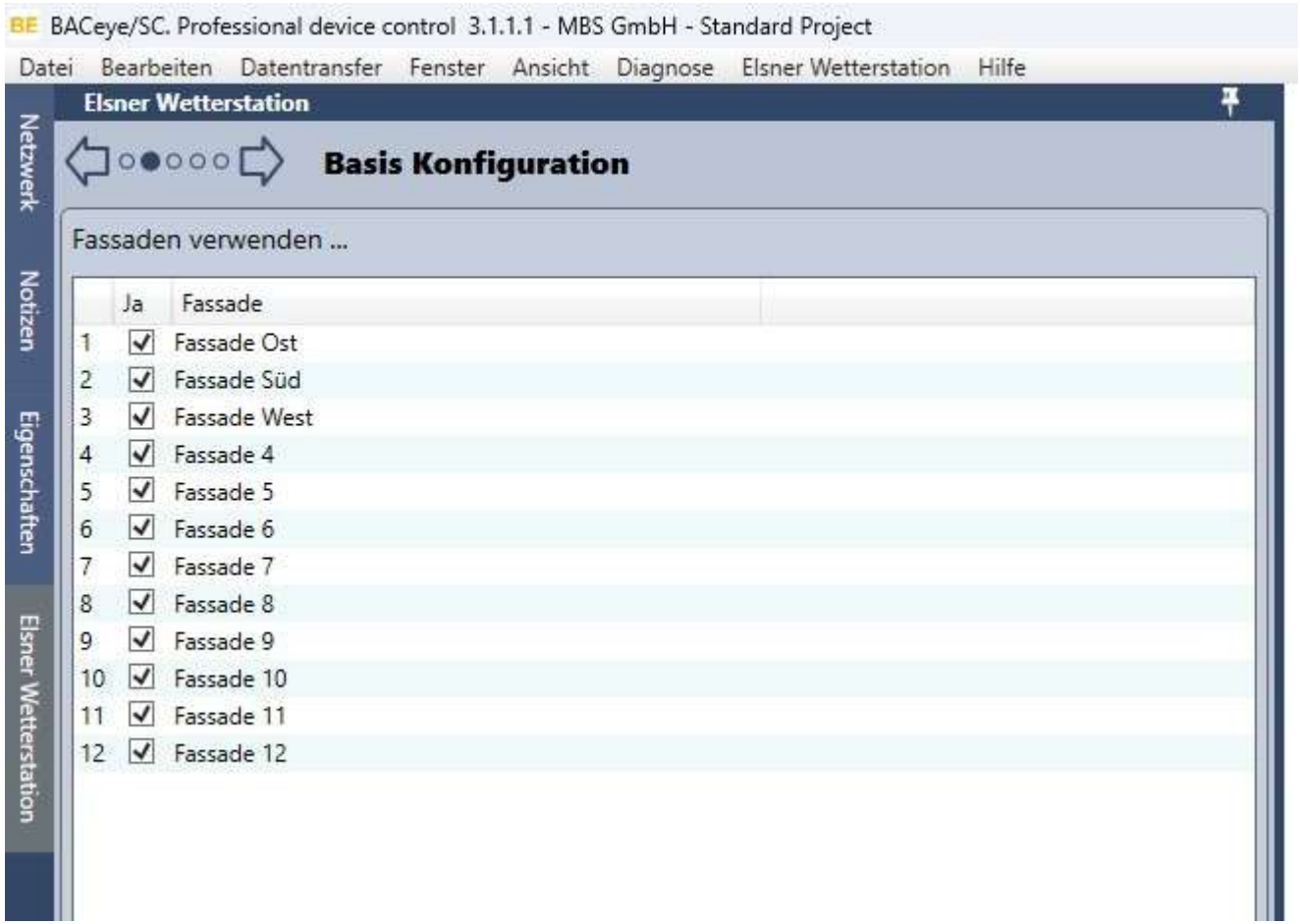
BacEye

| Plug-In

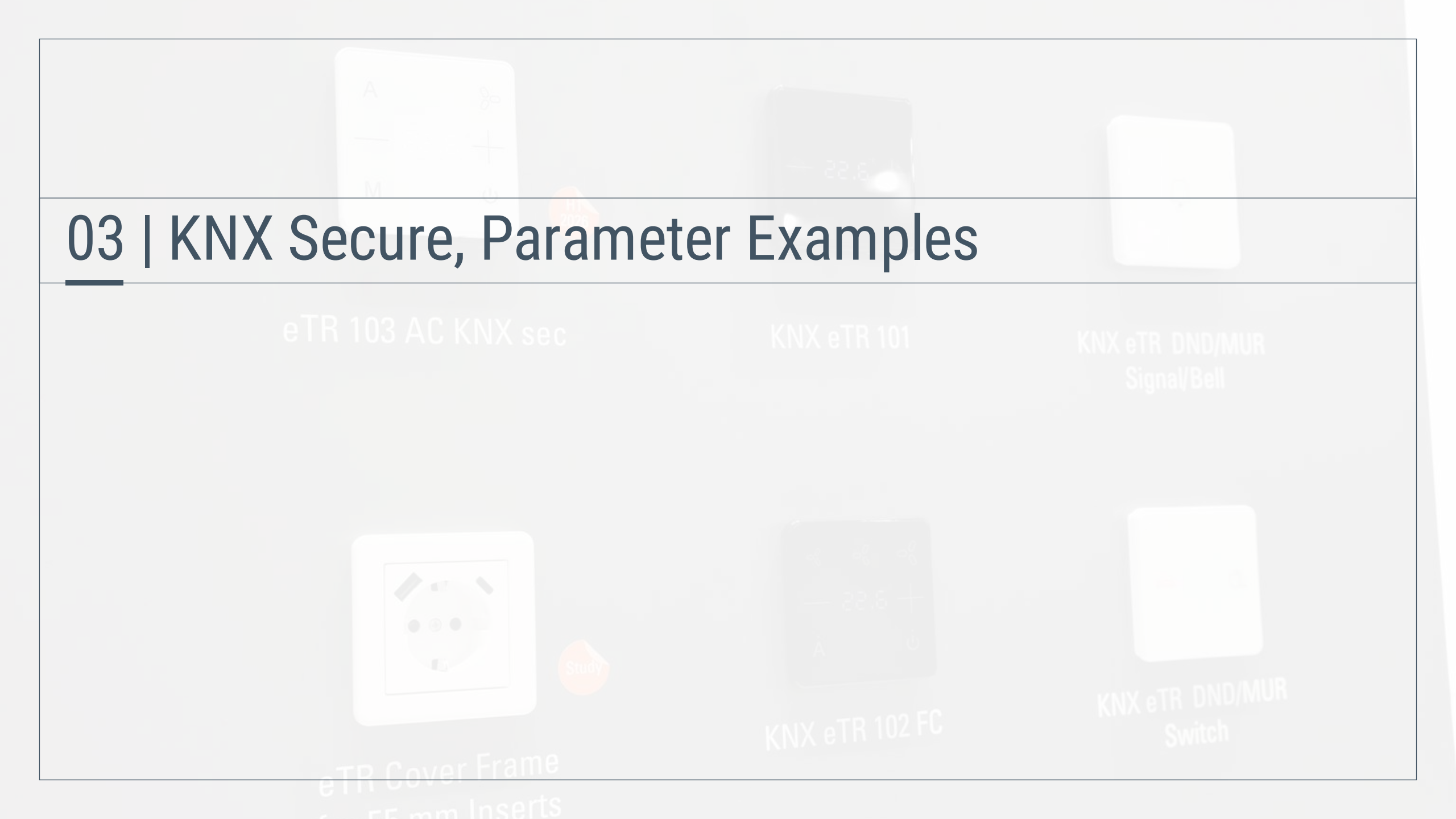


BacEye

| Façade Plug-In



03 | KNX Secure, Parameter Examples



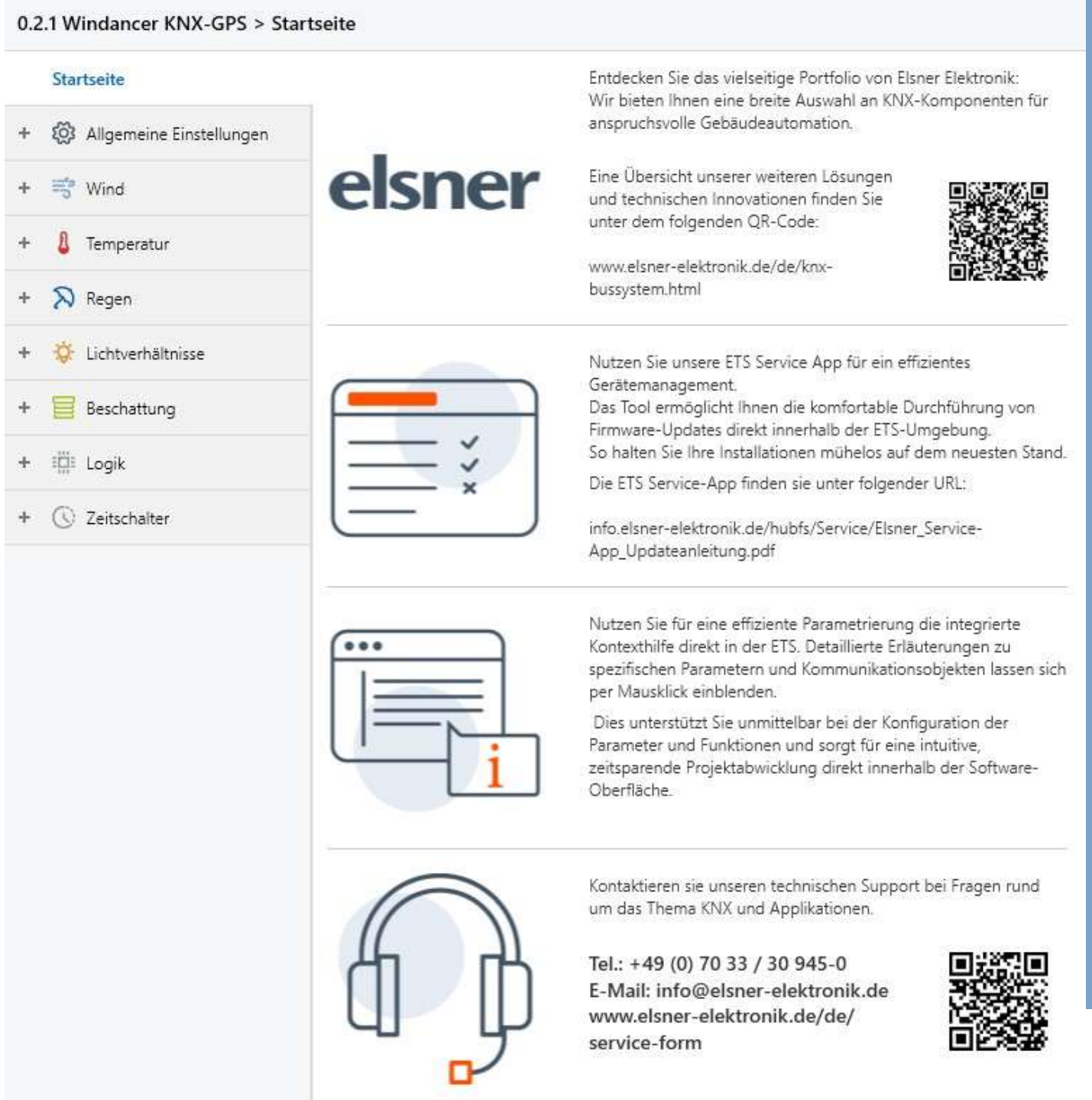
Windancer (GPS) KNX sec

| Weather station

- The popular weather station now features KNX-Data-Secure for encrypted data transmission
- KNX weather stations with sensors for :
  - Brightness including shading control
  - Wind
  - Precipitation
  - Temperature
  - Logic gate
  - timer
  - Optional GPS time synchronization for precise shading based on the sun's position

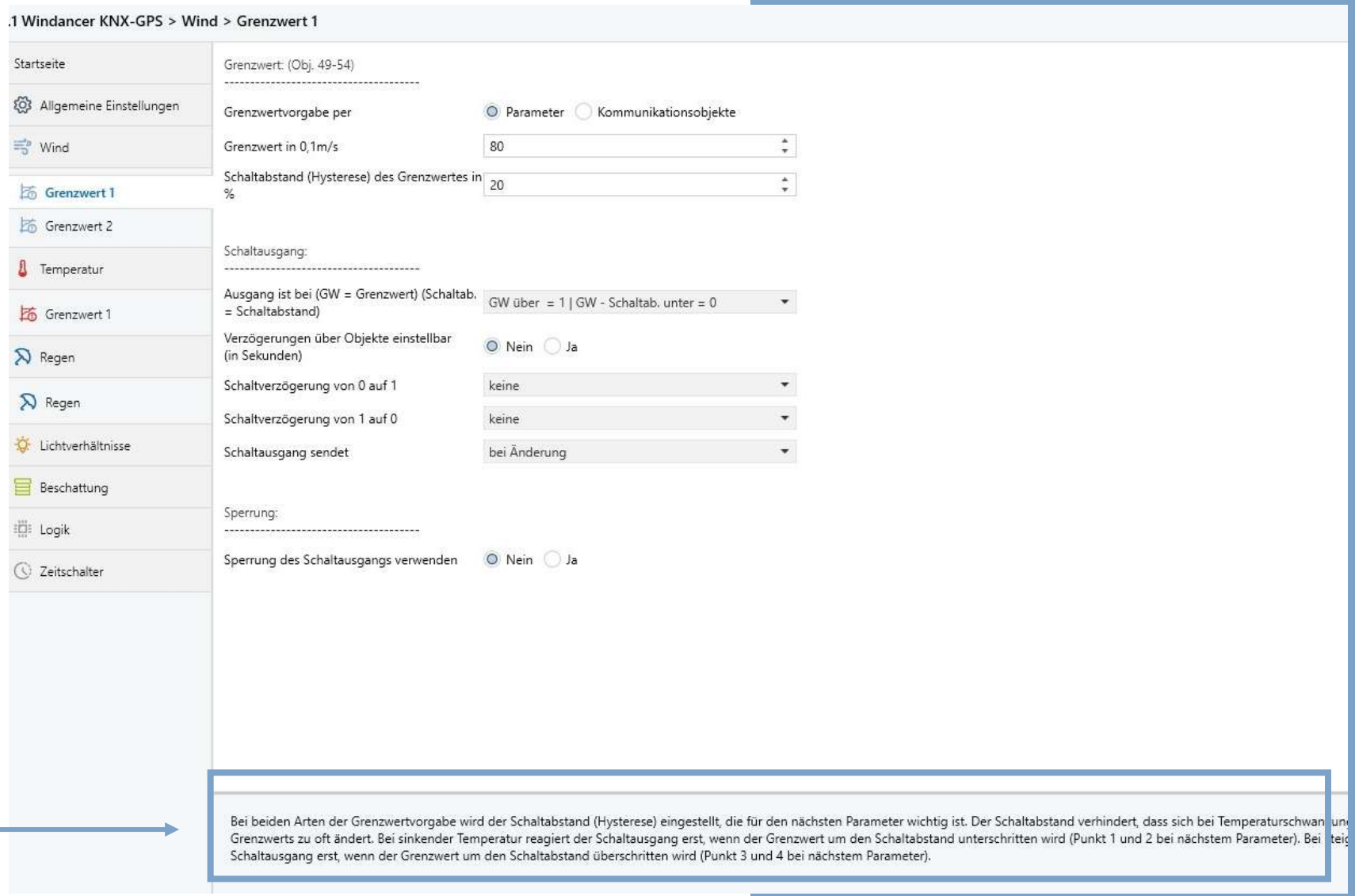
KNX Application

| New Application Overview



KNX Application

| Context Help



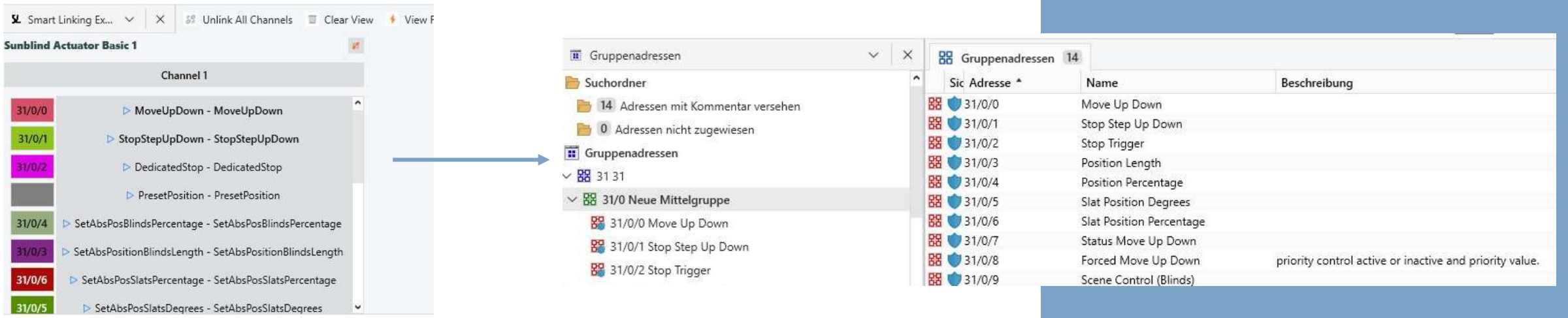
Smart Linking

| Step-by-step instructions

Smart Linking

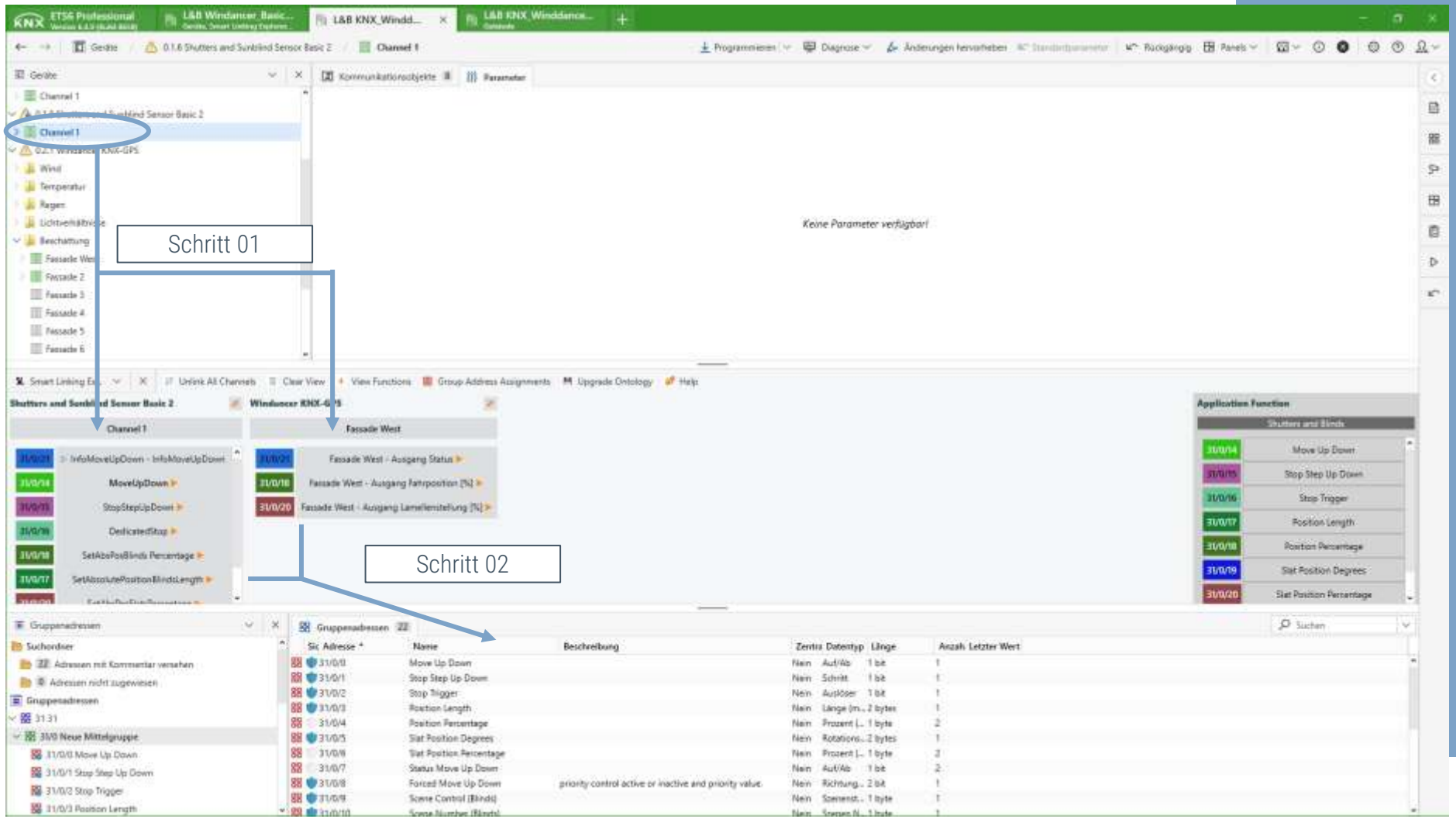
| Step-by-step instructions

Step 02



Smart Linking

| Overview

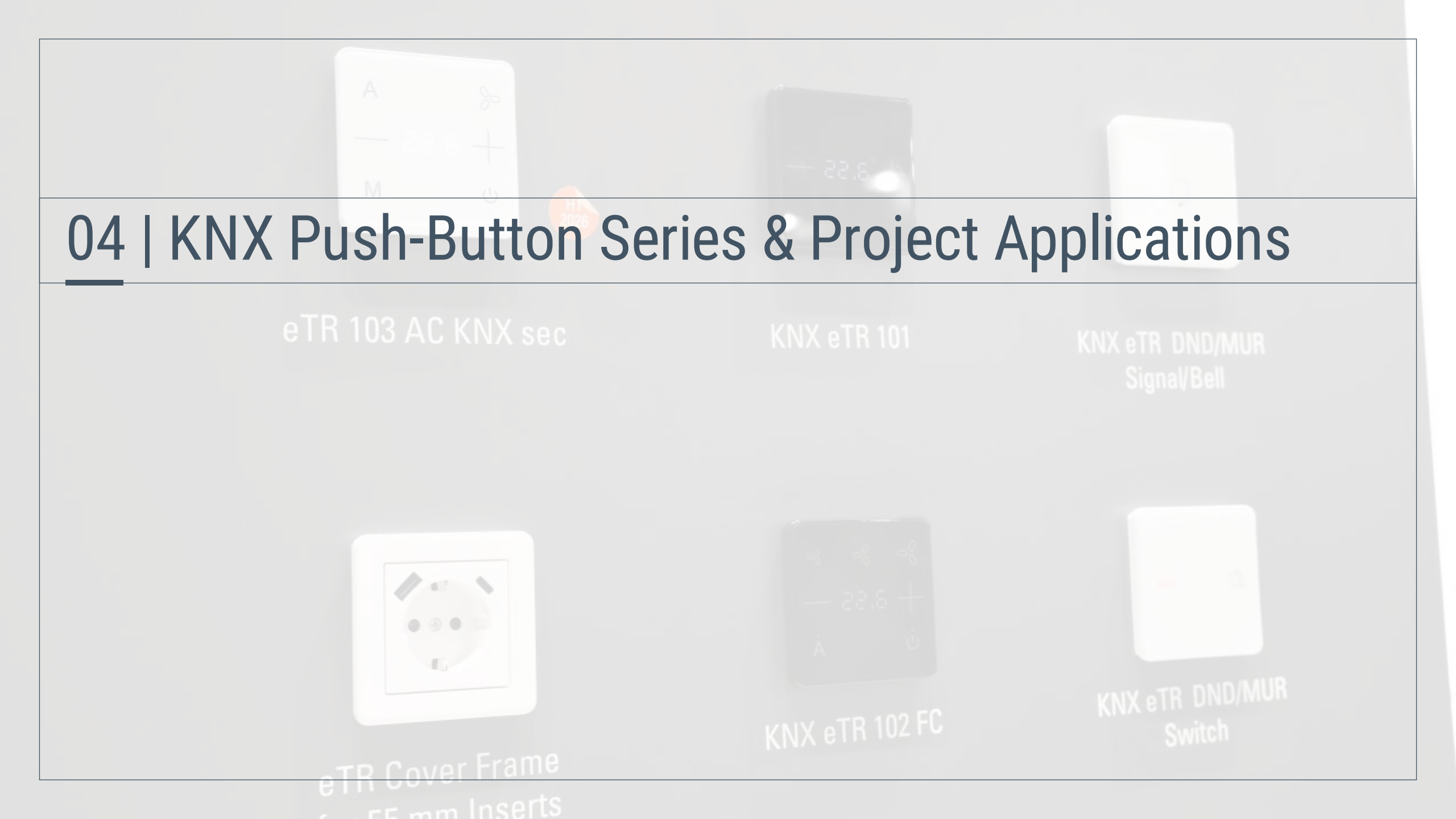


Windancer basic W GI & KNX sec

| Wind sensor

- The Windancer basic W GI measures wind speed and triggers a wind alarm via a potential-free output
- Threshold setting via DIP switches
- The Windancer basic W KNX sec measures and processes wind speed
- KNX-Data-Secure for encrypted data transmission

04 | KNX Push-Button Series & Project Applications



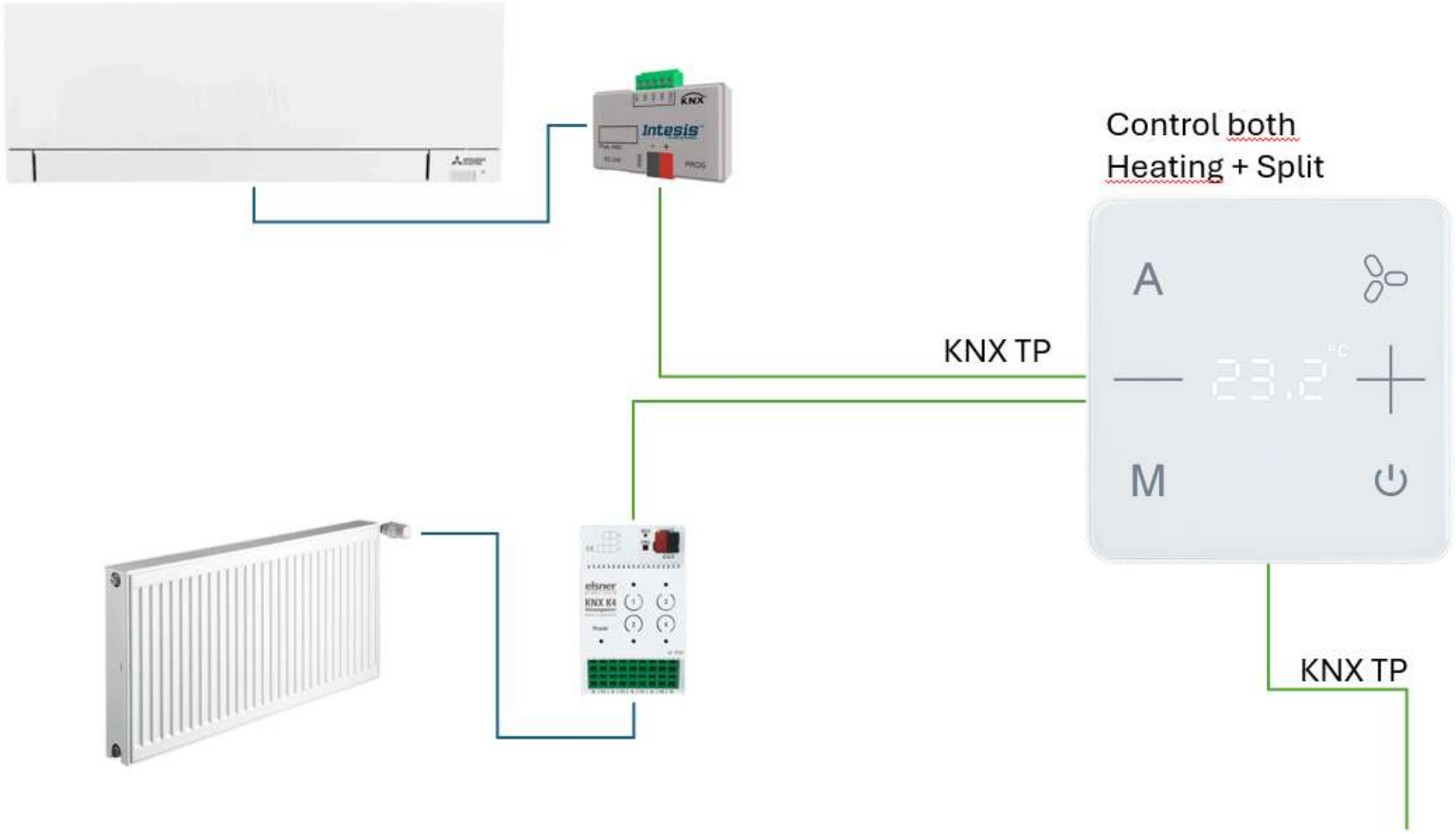
KNX eTR 103 AC secure

| Overview

- Room thermostat
- AC = Air Condition
- Individual climate control
- 3-speed fan speed control
- Compatible with KNX, AC, and VRV gateways from leading manufacturers
- KNX-Data-Secure for encrypted data transmission

Gateway Application Example

| Heating / Cooling with eTR 103 AC sec



Project assignment

| Examples of Use

- Hotel room
- Open-plan office
- Public buildings

And how much is all this going to cost?

| New eTR Pricing Structure

eTR 103 AC sec

- Available starting in March 2026

eTR 101 alt -> eTR 101 BA2 sec

- Available in 2026

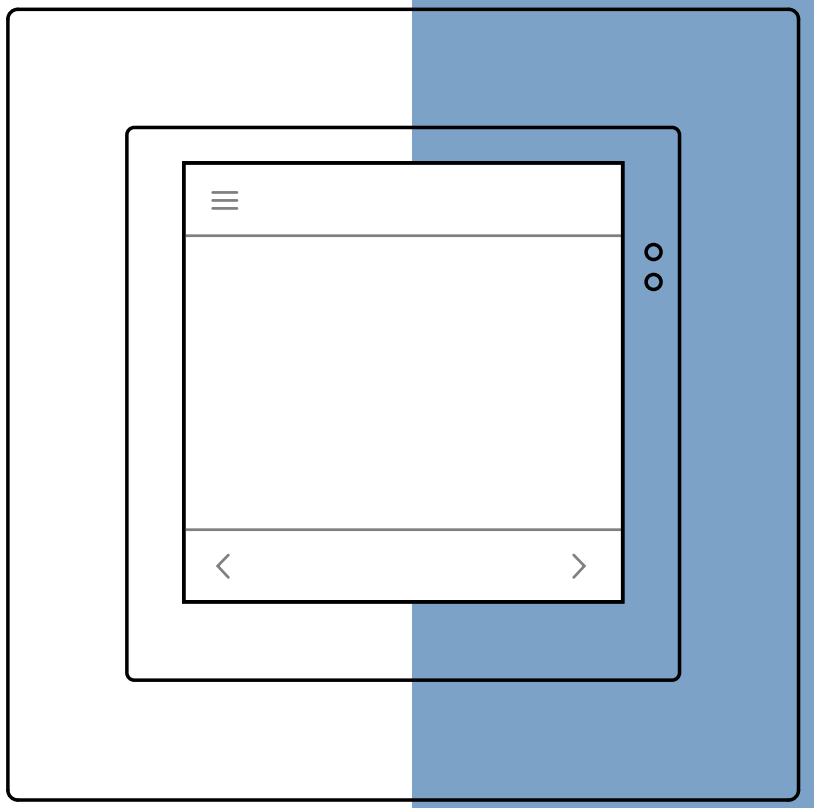
The eTR series will be completely transitioned Q4/26–Q1/27.
Includes: **KNX TP-Secure, BA2 Features**

05 | Outlook 2026

Cala Touch 2.5in KNX sec

| Room Controller

- Follow-up to Cala Touch KNX
- In black and white
- Also available as an AQS sensor with CO2
- KNX-Data-Secure for encrypted data transmission
- An all-in-one solution for controlling lighting, shading, windows, heating/air conditioning, and scenes
- In addition: Human Centric Lighting, RGBW, summer compensation for cooling systems, timers, logic functions, multifunction modules, control variable comparators
- Dark Mode & Light Mode
- Inputs

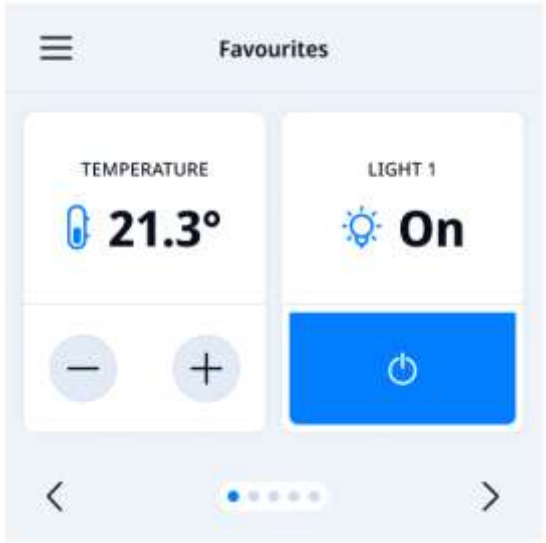


Cala Touch 2.5in KNX sec

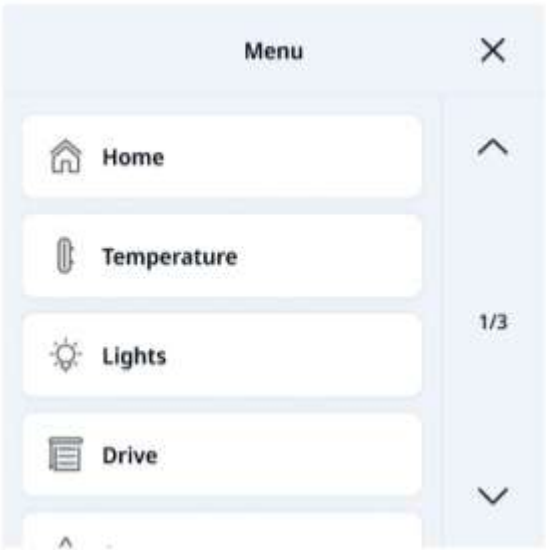
| Screens

Home

Favorites



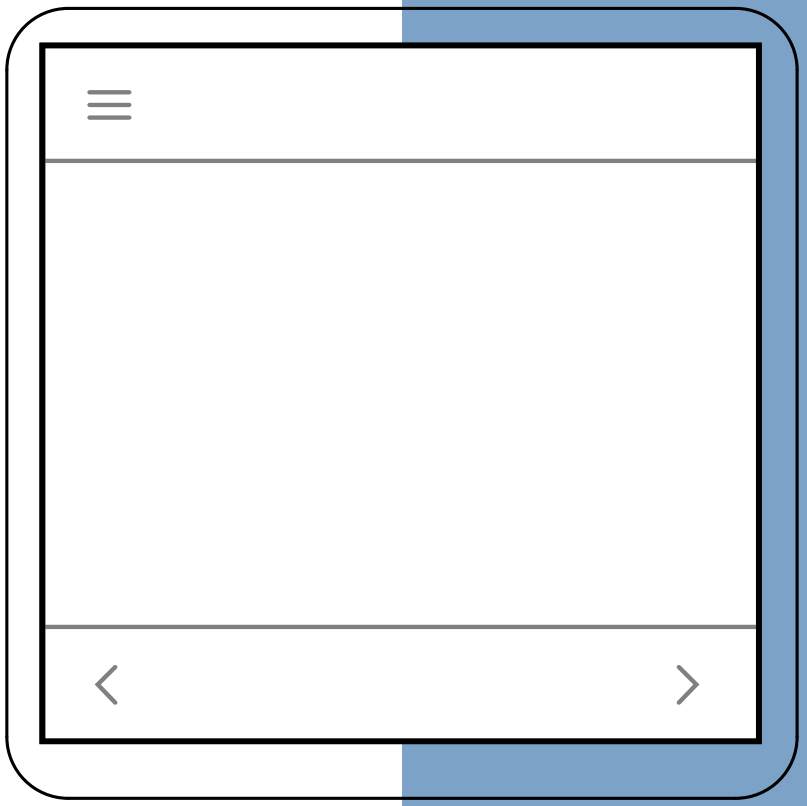
Menu Page



eTR Touch 3.4in KNX sec

| Room Controller

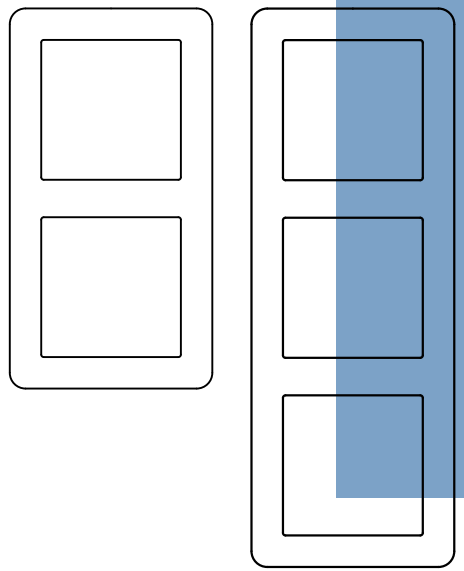
- touch display for the eTR series
- In black and white
- Also available as an AQS sensor with CO2
- KNX-Data-Secure for encrypted data transmission
- Features similar to Cala Touch: an all-in-one solution for controlling lighting, shading, windows, heating/air conditioning, and scenes
- In addition: Human Centric Lighting, RGBW, summer compensation for cooling systems, timers, logic functions, multifunction modules, control variable comparators
- Dark Mode & Light Mode
- Inputs

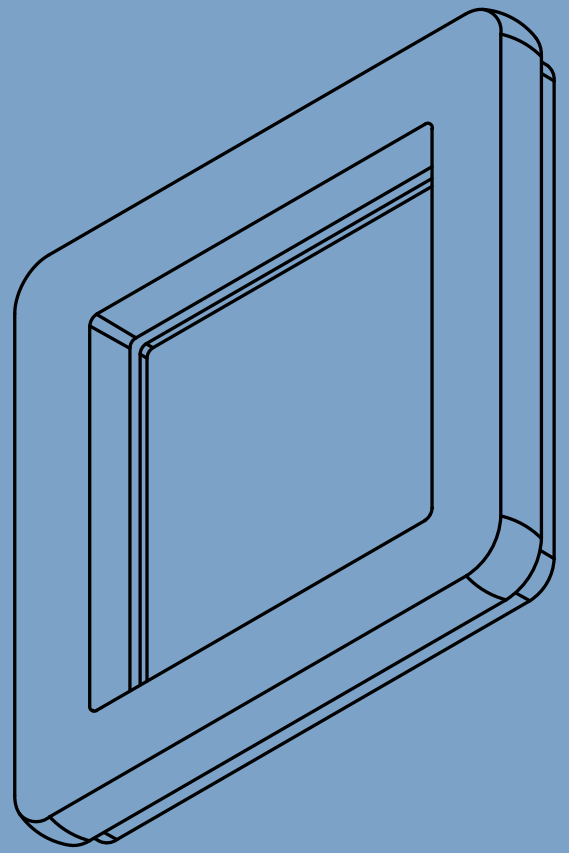


eTR Glass Cover Frame

| For 55 mm inserts

- Design of the eTR Series for 55 mm switch series
- Simply add standard outlets, etc., to the Elsner eTR sensors.
- The eTR and Cala series can be combined with standard outlets and switches
- Available in black and white as single, double, or triple frames





Windancer Modbus

| Modbus Weather Station

Modbus weather station for

- Temperature
- Brightness
- Wind speed
- Precipitation
- Optional with GPS receiver

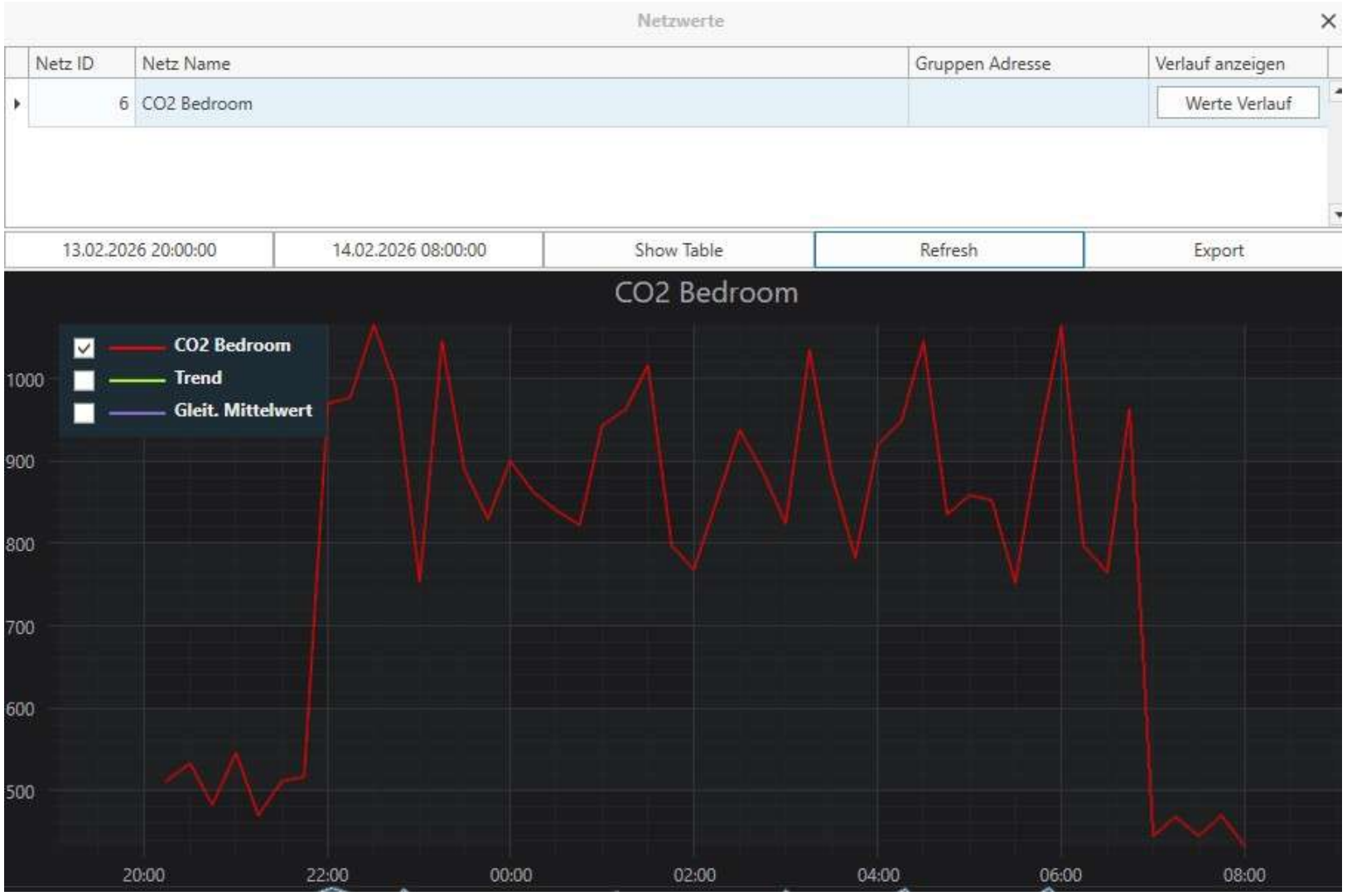
05 | Visualization & Reporting

Visualization

Floor plan

Visualization

| Display of CO2 Levels



Visualization

| Weather Report

elsner

Weather Station Report

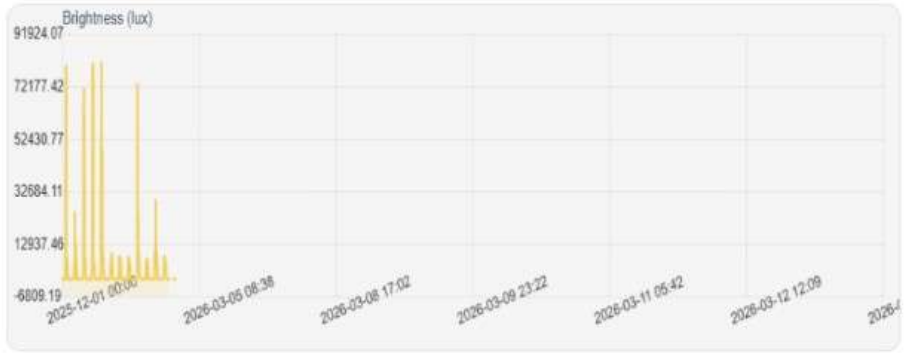
Deutsch | English | Dark | Print

Period: 2025-12-01 00:00:00 – 2026-03-19 08:22:30
Sensors: Brightness, Humidity, Temperature, Wind
Status: loaded

Measurement Series

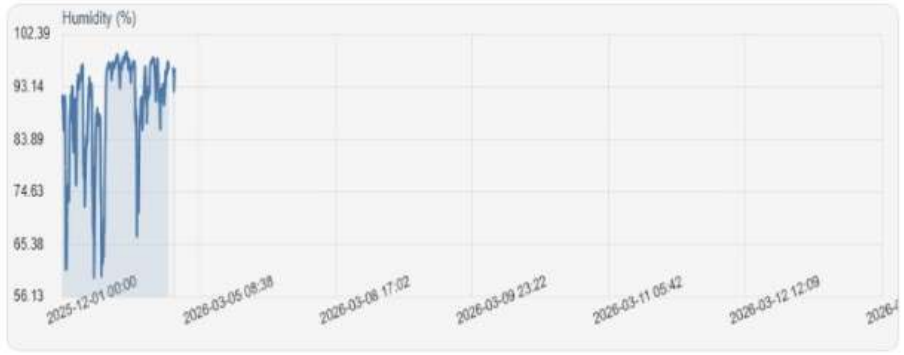
Brightness min 0.00 / max 85114.88 / avg 3148.26

lux



Humidity min 59.32 / max 99.20 / avg 89.92

%



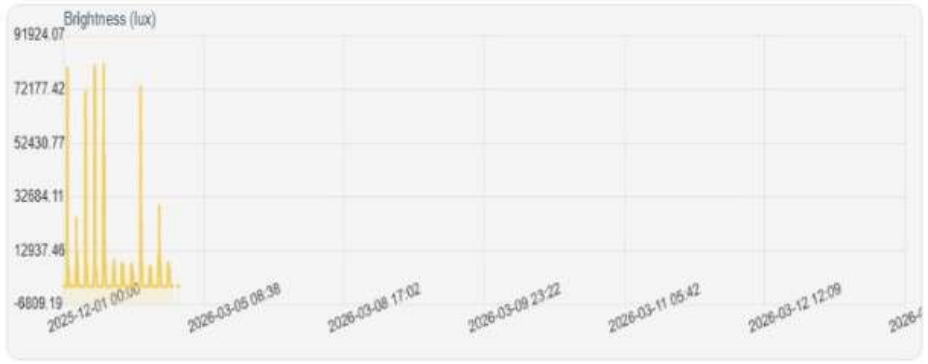
Visualization

| Weather Report

Measurement Series

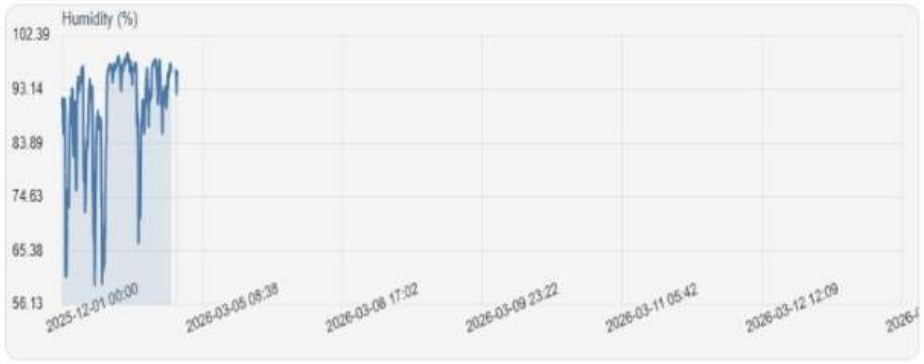
Brightness min 0.00 / max 85114.88 / avg 3148.26

lux



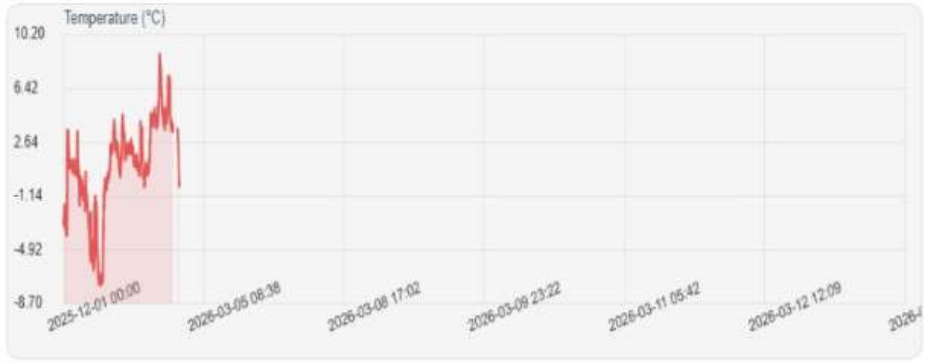
Humidity min 59.32 / max 99.20 / avg 89.92

%



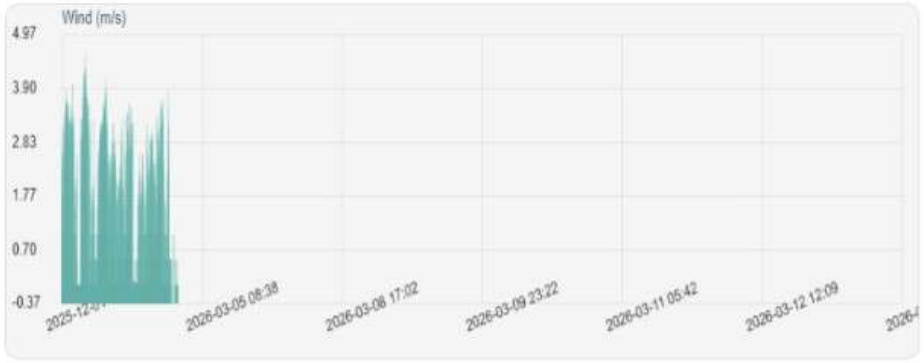
Temperature min -7.40 / max 8.90 / avg 0.93

°C



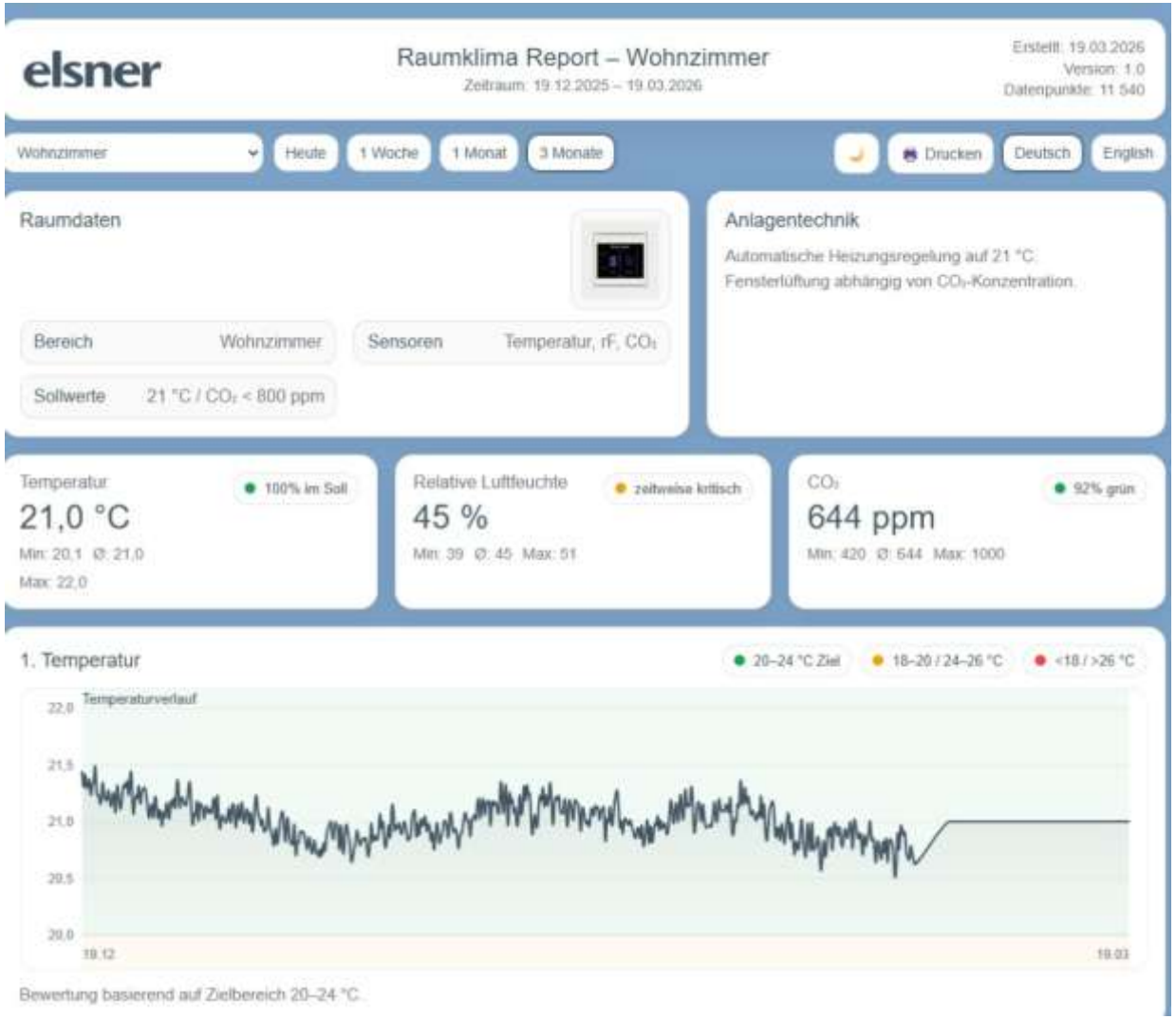
Wind min 0.00 / max 4.60 / avg 0.92

m/s



Visualization

| Indoor Climate Report



Light + Building Online Review

| Trade fair landing page

Would you like to take another look at all the products on display at your leisure? Have a look at our dedicated landing page for Light + Building 2026!

To the trade fair landing page ▶

You can find more webinars and recordings here

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