



Always a step ahead

HANDVATION KEEPING YOU ONE STEP AHEAD
+30Y PROVEN SUCCESSFUL EXPERIENCE
CO-DEVELOPMENT AND CUSTOMIZATION
SECURING THE FUTURE
TAKING RESPONSIBILITY

OUR INNOVATION KEEPING YOU ALWAYS ONE STEP AHEAD



FOREWORD BY THE MANAGEMENT

SE-Elektronic has been generating success with HVAC manufacturers since 1983. We have gathered over three decades of experience in developing customized controls & IoT solutions, all "Made in Germany". Whenever you see the SE-Elektronic logo on a product you can be certain that it is the product of German engineering expertise and has been tested inside and out for the highest levels of quality.

In the HVAC business, we were the first to implement cloud solutions to develop customized actuator and sensor technology, and have been the guiding lights for advanced protocol development for BACNet and Modbus.

Our mission is to develop customized, cost effective and technology leading controls & IoT solutions. Together with our customers, we co-develop and customize our solutions in a way that leads to lasting unique advantages, keeping our customers always one step ahead of their competition.

We invite you to get a quick impression of what we stand for, what we believe in and what our operation principles are.

B. Day cac

Bogomir Dajcman Management

- Service and solution provider
- Our passion to develop innovative controls & IoT solutions
- Over 50 employees
- Our solutions enable you to drive your optimal product strategy
- Made in Germany

CO-DEVELOPMENT AND CUSTOMIZATION CREATES UNIQUE VALUE FOR YOUR PRODUCTS

A ONE-STOP-SHOP FOR INNOVATIVE SOLUTIONS

Compliance with sustainable environment management

practices and statutory requirements will make automa-

ted BMS and energy management a must. If you want

to offer your clients solutions combining openness and

scalability with high levels of economic efficiency and

reliable operations, we are your perfect partner. Benefit

from our experience and development expertise.



YOU CAN OPTMIZE THE COMPLETE CONTROLS & IOT VALUE CHAIN

We optimize the total controls & IoT solution: the hardware, the software, but also the design to optimize your production time. We make sure that the cost of the solution is fully optimized, taking the complete production and commissioning value chain into account.

TECHNOLOGY EXACTLY FITTING YOUR NEEDS

We offer the optimal future-proof technology that exactly fits your needs. Because we customize, the solution will not be undermentioned, lacking the features and unique values of your products. It will not be over-dimensioned either, increasing the costs unnecessarily and creating a pricing handicap.

CUSTOMIZED AND UNIQUE – KEEPING YOU ONE STEP AHEAD AT ALL TIMES

OUR SOLUTION WILL:

- Provide your product with unique features, creating strategic advantages vs. your competition
- Optimize your total cost of engineering
- Optimize your total cost of controls & IoT integration in your products
- Reduce the total cost of production
- Reduce the total time for commissioning
- Enable you to securely connect to your product from anywhere, anytime
- Offer a unique value proposition to your customers
- Our controls and IoT exactly fitting the needs of our OEMs
- We keep our OEMs always a step ahead to their competition
- We cover the complete chain

GROWING AWARENESS OF ENERGY ISSUES CALLS FOR STATE-OF-THE-ART SOLUTIONS

- Using open and scalable technologies
- Developing tailor-made solutions
- Reducing energy costs
- Reducing emissions
- Taking responsibility for shaping the future

WHAT YOU CAN EXPECT FROM SE-ELEKTRONIC

- Open and expandable solutions which easily integrate in existing structures
- Customized development projects, prototypes, low to high-volume solutions from concept phase through to series production
- Energy-efficient building automation solutions, low energy consumption, improved efficiency in heating, ventilation and cooling
- High operational reliability, service and support for standard and customer-specific solutions

- Save our planet by using innovative technologies
- Customized solutions
- Cost efficiency

SE-ELEKTRONIC – A BACnet PIONEER



IN-HOUSE DEVELOPED CERTIFIED BACnet-STACK

MORE FLEXIBILITY

- extensive BIBBs and object library
- routing across all interfaces
- UTF-8 character set (all characters sets around the world), ANSI X3.4, ISO-8859-1, UCS-2, UCS-4
- I multilingual capability, can be changed anytime, even during the run-time (no restart necessary)
- TCP/IP communication in parallel with MS/TP via RS485

LEANER

Resources used only for functions which are required for a specific device type.

FASTER

Direct access to data and functions of applications.

MORE AFFORDABLE

Reduced hardware requirements thanks to our own optimized BACnet stack.

Our products offer all options for BACnet communication via Ethernet, modem and 2-wire cabling (RS485). And of course we can also implement or integrate other bus systems.

WE OFFER BESPOKE AND ENERGY-EFFICIENT SOLUTIONS TO OUR OEM CUSTOMERS.

BACnet – THE BASIS FOR ALL SE-PRODUCTS

BACnet (Building Automation and Control networks) is a networking protocol for building automation. BACnet is the name of a uniform-independent standard for data communication.

The advantage of BACnet solutions is their remarkable flexibility.

The BACnet protocol enables communication between devices. It allows to connect and exchange information between building automation and controls systems for application like heating, ventilation and air treatment.

BACnet is a protocol governing data exchange between different technical building services components. It provides a consistent description of communication across the different management and automation levels, for heating, cooling and ventilation, light control systems, fire detection and conveying systems, as well as monitoring lifts and escalators.

Data is transmitted through different pathways such as Ethernet, RS485 and modems. SE-Elektronic has focused on these media and supports BACnet/IP, PTP and MS/TP protocols.



- With our innovations, BACnet becomes the communication standard for building automation
- SE-Elektronic solutions speak your language
- Based on standardized communication protocols

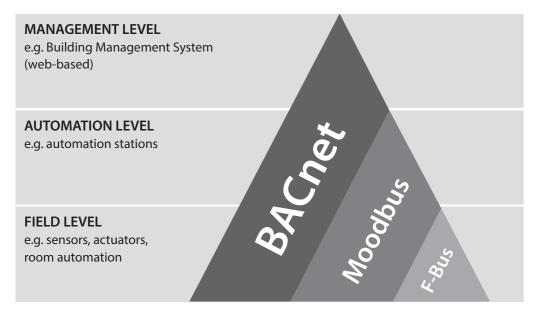
YOUR PARTNER FOR THE FUTURE

100 % QUALITY MADE IN GERMANY





BUILDING AUTOMATION – SYSTEM LEVELS



HARDWARE

- automation stations
- operating devices, I/O modules
- sensors, actuators
- interfaces, modems, gateways
- room automation

SOFTWARE

- monitoring and control
- programming and parameterization
- visualization and processing

SERVICES

- customized application services
- development capabilities locally
- support services and training

HOW WE GUARANTEE THAT YOUR INVESTMENTS ARE SAFE

- SE-Elektronic develops 100% of its solutions itself and produces exclusively in Germany
- certified quality management system in accordance with DIN EN ISO 9001:2015 in-house test lab, long-term tests
- products are BACnet-certified and BTL-listed
- products carry the extended AMEV mark AS-B
- we are members of the BACnet Interest Group Europe e.V

NATIONAL AND INTERNATIONAL PRESENCE

Through our partner network we are present at many locations in Germany and in a number of other European countries. In other words – we are in your area.

OUR CORPORATE CULTURE COUNTS

SE-Elektronic is a training center which is accredited by the Chambers of Industry and Commerce and offers commercial as well as technical vocational courses. As a medium-sized company, values such as a sense of family, team spirit and social responsibility within the region are very important to us. Further training at regular intervals, building and leisure activities are the basis for motivated and committed employees.

- 100% German engineering expertise
- Certified managment system
- Own longterm test labour
- Acting with the customer in mind
- Living out a cooperate culture that incorporates every single employee

- Versatile solutions
- Covering a wide range of different buildings
- Custom-engineered solution for small or high-volume

DEVELOPING SOLUTIONS
OPENING UP NEW HORIZONS
LIVING PARTNERSHIPS
SECURING THE FUTURE
TAKING RESPONSIBILITY

HOW CAN WE SHAPE FUTURE TOGETHER?



WE OFFER COMPLETE SOLUTIONS FOR

- HVAC systems
- lift and hoisting equipment
- security and access control
- sanitary facilities/water purification
- renewable energies

ENERGY MANAGEMENT

- web-based energy-monitoring solution
- innovative, high-performance building automation solutions

BACnet PROSPECTS

SE-Elektronic makes BACnet the communication standard of choice for all trades.

So come and talk to us about your most challenging projects.

WE LOOK FORWARD TO MEETING YOU!





SE-Elektronic GmbH

Eythstraße 16 73037 Göppingen Germany

Phone: +49 7161 9584-0 Fax: +49 7161 9584-45

info@se-elektronic.de

www.se-elektronic.de