



**Automation Technology** with integrated  
Process Know-how for Coil Processing Lines

**b+s AUTOMATION**  
— b+s group —

Committed to Coil Processing!

With your decision for b+s AUTOMATION you decide on comprehensive process know-how, decades of experience and highest competence in the automation of coil processing lines.

As a member of the b+s group, b+s AUTOMATION optimizes your coil processing line through a holistic approach. As a full-line supplier of mechanics process know-how, electrics and automation technology, we offer you a tailor-made and process-optimizing solution.

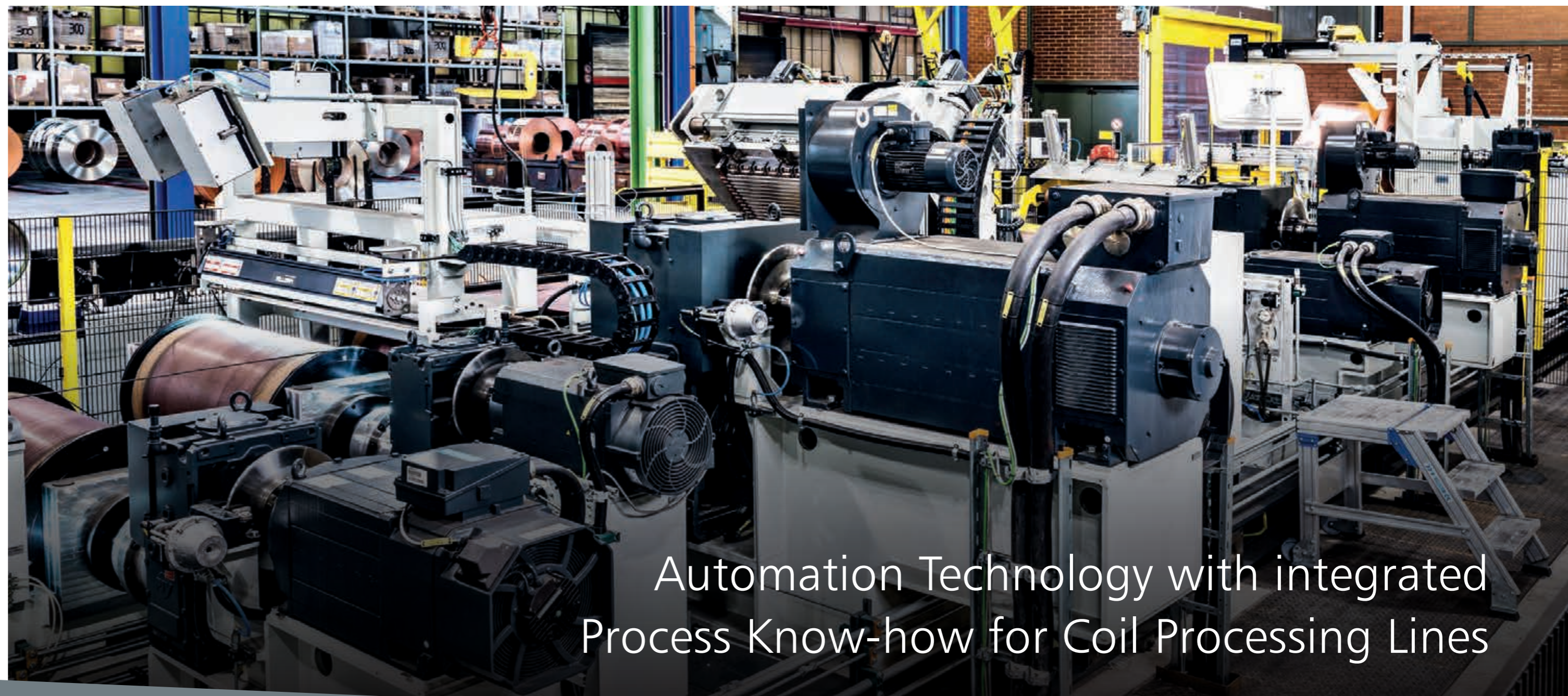
b+s AUTOMATION equips both your new line and equally understands itself as a specialist for the modernization of your existing lines.

We work locally within Germany and Europe as well as globally anywhere in the world. Hundreds of references are an expression of our performance.

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## Content

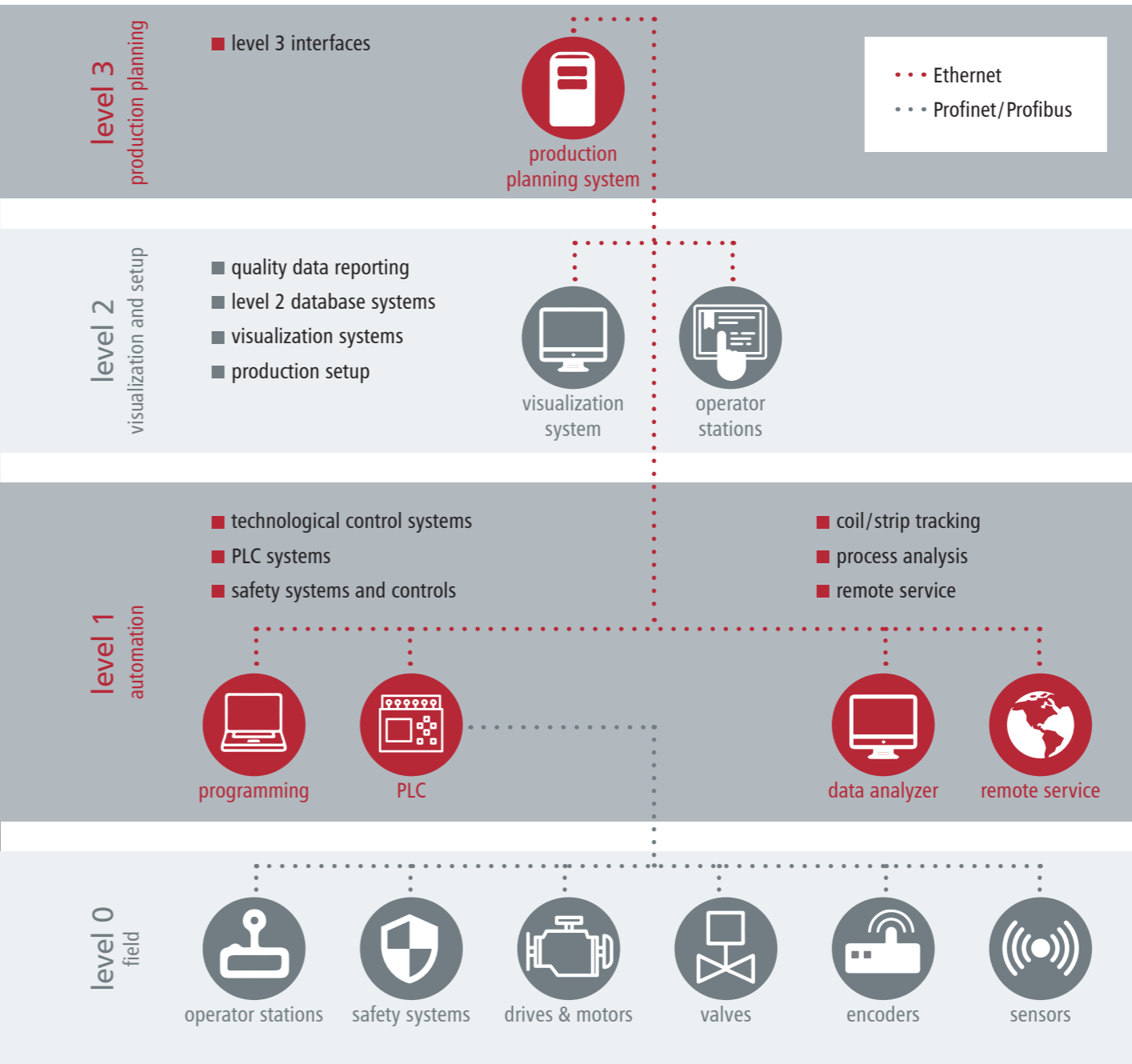
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# The Entire Spectrum of Automation Technology from a Single Source



## Automation Technology

b+s AUTOMATION is your guarantee for a successful project execution. We offer you the entire spectrum of automation technology including all required services for all automation levels from level 0 to level 3; gladly also as a full turn-key project.

### Services at a glance

- HW engineering with ePLAN
- manufacturing of switchgear and control desks and panels
- software design and programming
- electrical erection
- commissioning
- process optimization
- user-oriented training
- remote service



## Process-optimizing Solutions

### Advantages at a glance

- **robust and reliable processes**  
thanks to our highly developed automation solutions
- **intuitive operation**  
through our advanced operating concepts
- **first-class product qualities**  
through our in-depth process know-how
- **maximum productivity**  
through our process-oriented drive technology
- **safe line operation**  
through our process-oriented safety concepts
- **easy maintenance**  
through our field-tested and open automation solutions

### User-oriented training and remote service

b+s AUTOMATION offers user-oriented training, because we would like you to become the expert of your new automation systems.

And in case you still might want to get our support, we are always there for you, gladly personally or remotely. As standard, b+s AUTOMATION uses the Siemens SINEMA Remote Connect, one of the easiest and safest VPN services in the industry. And beyond that we are of course open and flexible for alternative VPN access.

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Extensive Drive Know-how  
for maximum Process Performance

## Extensive Technology


The experience of our employees in the area of drive technology goes back for more than 40 years. Hundreds of references are an expression of our performance.

### Environmental awareness

b+s AUTOMATION uses high-efficiency motors and variable frequency drives wherever possible. Drive systems with common DC link are used to maximize power savings and minimize power consumption. Power generated during the deceleration phases or even in a fast stop is fed back into the power grid.

### Services at a glance

- extensive drive design know-how
- “drive systems” optimally sized taking into consideration the mechanics, the gear boxes, the motors and the drives (holistic approach)
- process-optimizing drive designs
- revamps of existing drive systems, even while maintaining the power stacks
- DC, AC and servo motors
- high performance drive controls



Safe Line Operation  
at maximum Production

### Certificate

**FS Exp (TÜV Rheinland)**  
Functional Safety Expert (TÜV Rheinland)

ID-No. # 222 / 14

Certificate Owner  
**Peter Volf**  
Germany

Application Area  
**Machinery**

Issue Date  
**January 2014**

Expiry Date  
**January 2019**

Validity  
This certificate is valid for 5 years.

Signature  
*H. Gell*  
Chairman, February 2014

TÜV Rheinland  
Institute for Functional Safety  
Automation and Functional Safety  
www.tuev.com

www.tuev.com TÜV Rheinland  
Product Safety

## Safety Technology

b+s AUTOMATION analyzes your line processes and the associated material and equipment handling in detail and introduces modern safety technology so cleverly that the line operators benefit from maximum safety and the line owner from maximum production. We call this process-oriented safety technology. And our Functional Safety Experts are certified by the German TÜV for this.

### Services at a glance

- comprehensive analysis of the line processes
- risk analysis (MRL)
- risk assessments (BetRSichV)
- component-neutral safety-related implementation
- validation of safety functions
- CE-documentation

### b+s AUTOMATION's process-oriented safety technology applies to:

- new coil processing lines
- revamps and upgrades of existing lines
- stand-alone lines
- coupled lines
- complex, integrated manufacturing networks



High efficiency Technological Control Systems  
for First-class Product Qualities

## HighTech Control Technology

b+s AUTOMATION convinces with in-depth process know-how and advanced technological control systems in real time.

We use the process know-how gained over many years and in course of innumerable start-ups, for the continuous further development of our automation solutions.

b+s AUTOMATION benefits you through a rapid commissioning and a steep line ramp-up and is your guarantee for first-class product qualities.

Services at a glance

- High performance and high precision process controls for coil processing lines
- Strip flatness measurements and controls for Stretch-Bend-Leveling lines
- Cross-Cut-Shear controls for Cut-To-Length lines
- highly accurate loop controls for a perfect slitting
- robust and precise traverse winding applications
- for b+s lines as well as third-party lines





b+s group –  
The Next Level of Coil Processing

We are the b+s group. The BURGHARDT + SCHMIDT GmbH founded the b+s group through the acquisition of traditional, well-known and firmly established companies on the world market. Through the founding of the b+s group, BURGHARDT + SCHMIDT's entire product range is expanded by the products of SCHNUTZ GmbH and b+s AUTOMATION GmbH in the area of leveling machines, strip feeding systems and automation technology.

Our worldwide customers rely on the expertise of the b+s group when it comes to coil processing lines. Our machines and lines are equipped with a high degree of automation and they excel customer's quality requirements.

**Products**

Our product portfolio includes slitting lines, stretch-bend-leveling lines, cut-to-length lines, tension leveling lines, coil processing lines, tension leveling lines, leveling machines, part-levelers, strip feeding lines, traverse winders, packaging lines, process controls, drive technology, safety systems and controls, flatness measurements and controls, retrofits and modernizations of used and third-party lines.



Your Plant, your Process!





## The Next Level of Coil Processing

BURGHARDT+SCHMIDT  
**b+s group**  
 GERMANY

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 — b+s group —

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