



safe.inspiring.green.

**PRODUCTS + SERVICES**



## **BRAND-NAME QUALITY** FOR MORE THAN 112 YEARS

For more than 112 years, Spelsberg has been renowned in the industry for boxes, distribution units and enclosures that combine **excellent brand-name quality** with outstanding value for money.

The designers not only have an eye on the latest standards, but also on new developments and trends within **energy and building technology**.

Thorsten Schwippert  
(Managing director)



Outstanding  
value for  
money



100 %  
Made in Germany

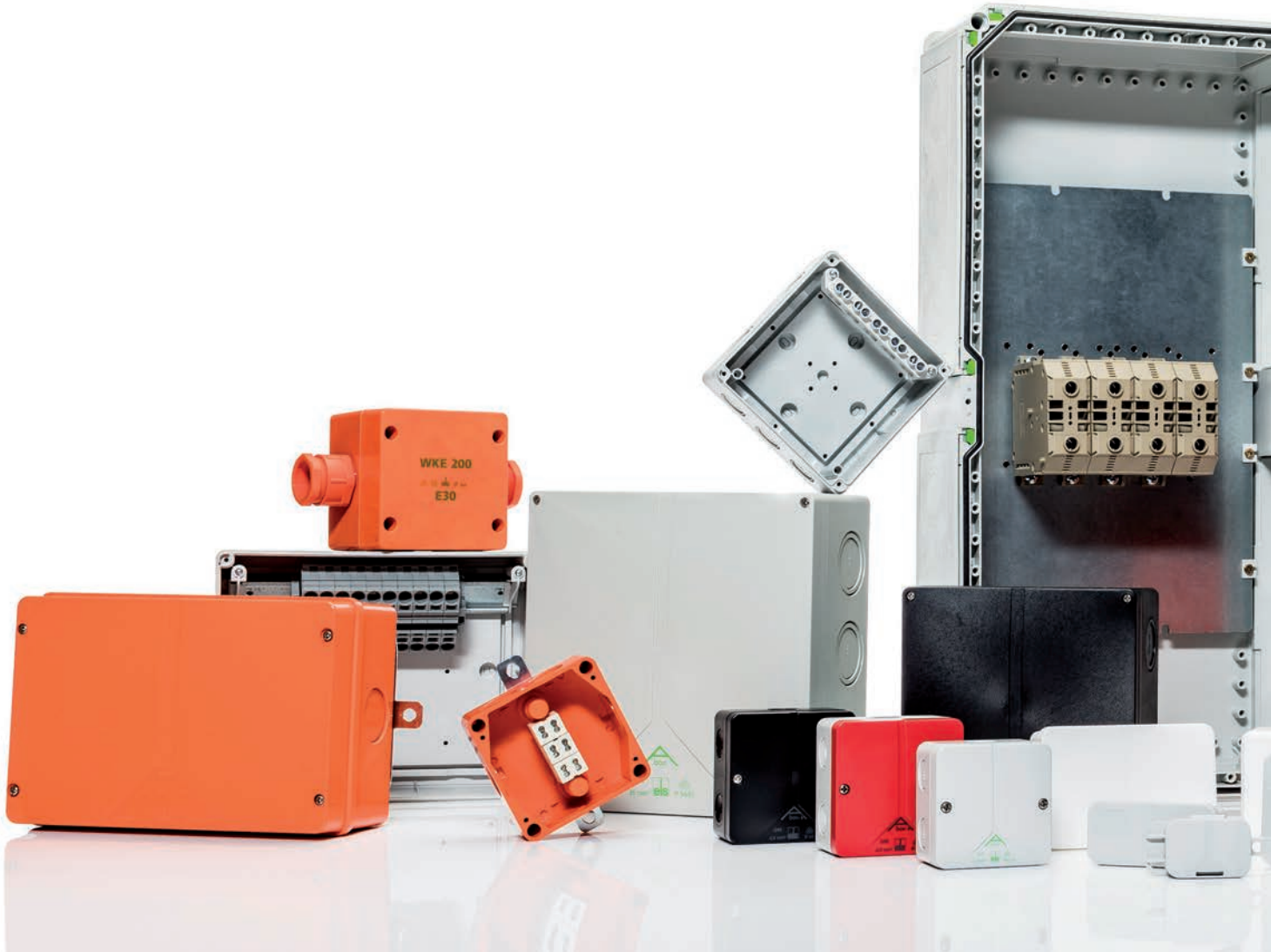


All processes  
under one roof

At present, the range offered by this German company steeped in tradition includes more than **5,000 widely available items**, including junction boxes, small distribution units, terminal block enclosures, meter enclosures and industrial enclosures.

And if that's not enough, we have a wide range of **services** from customizing the **standard enclosure** right through to complete **new developments** for customer orders.

Spelsberg trades all over the world via **its own subsidiaries and distribution partners**, manufacturing its products in a consistent manner in Germany and employing a total of approximately **450 employees** at its various sites and in its subsidiaries.



## FROM JUNCTION BOXES TO FIRE PROTECTION WE DEVELOP PRODUCTS THAT MAKE YOUR WORK EASIER

Therefore, Spelsberg's **junction boxes and fire protection boxes** provide very high IP protection in many areas. They can't be harmed by dust, moisture or even poisonous vapours.

In the event of fire, they also protect against even more severe consequences. In addition, all Spelsberg products are easy and safe to install. What more could you want? The market's current requirements are always included in our products.

Close contact to you is therefore very important to us. Ultimately, suggestions for innovations or improvements to service often come from those who work with our products on a daily basis.



More than  
100 million  
products per year



From IP 20  
to IP 68



From 0.5 mm<sup>2</sup>  
to 240 mm<sup>2</sup>



E30 - E90

### JUNCTION BOXES/ENCLOSURES | CONNECT · BRANCH · SECURE

- Up to IP 68
- With and without terminals from 0.5 bis 240 mm<sup>2</sup>
- With functional integrity to E90
- Terminal block housings with and without terminals
- Special applications and much more
- Comprehensive accessories





## DISTRIBUTORS | CONTACT · DISTRIBUTE · METER

- Up to IP 65, type rating 4x
- Small-scale distributors / Distribution boards for up to 70 modules
- Fuse enclosure
- Mains connection box for the measured and non-measured area
- Meter enclosure
- Comprehensive accessories
- Socket enclosure / distributor
- Iso distributor up to 1,250 A
- With F90 functional integrity





## HIGH QUALITY DISTRIBUTION UNITS WITH INCREASED PROTECTION YOU'RE ON THE SAFE SIDE WITH US

Particularly in harsh and demanding environments, you must be able to rely on the products that are installed. We therefore offer robust distribution units with a **high protection class**, so that installers and planners can also be safe

under difficult framework conditions. Currently, the need for solutions for decentralised mains connections, especially in **harsh environments** and in **outdoor areas**, is considerably increasing. Our machine enclosures, ISO-distribution boards, and the

new modular mains connection enclosures are in demand in outdoor areas where electrical energy needs to be provided, distributed and metered, in outdoor cabinets, in traffic and control engineering, for outdoor street furniture, at stations, charging poles, etc.



## WE HELP YOU TO FIND A SOLUTION THE RIGHT ENCLOSURE FOR EVERY APPLICATION

Regardless of whether you produce products for industrial purposes or you are searching for solutions for industrial or systems engineering in your company, we have the right product for every situation. We currently offer more than **1,000 different enclosure variants** for industrial applications.

We can supply you with these with **different dimensions**, with pre-cut openings and suitable accessories. Our products for industrial applications meet the highest standards. Enclosure systems made of **glass-fibre reinforced polycarbonate** withstand the harsh conditions of your

production without problems and ensure a smooth process. Humidity, cold or heat can have just as little effect on the products as UV radiation, oils, greases or mechanical strains. We confirm this with the seal of **"iQ – industrial quality"**.





More than  
1,000 different  
enclosure variants

All enclosures  
are customisable

CAD data  
can be  
viewed online



## INDUSTRIAL ENCLOSURES | MEASURE · CONTROL · REGULATE

- Up to IP 67, type rating 4x
- From 50 x 50 x 30 mm to 440 x 640 x 179 mm
- Made of ABS, polystyrene, polycarbonate or aluminium
- Mechanical processing
- Printing
- Assembly service
- With and without cutouts / entry points
- Comprehensive accessories
- Special colours





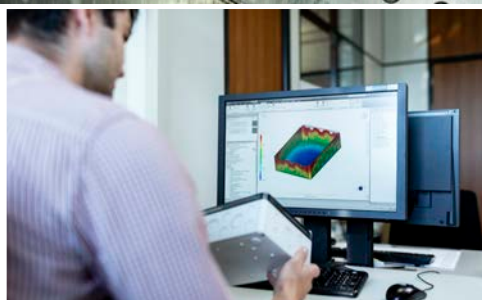
**DO YOU HAVE A SPECIAL IDEA IN MIND?**  
WE'D BE HAPPY TO MAKE IT A REALITY



5-axis milling machine



3D prototyping



Flow pattern simulation



UL impact testing

There are sometimes problems that cannot be solved with off-the-shelf products. Here, you need a specific **enclosure** and are looking for someone who knows this sector, who is familiar with the **worldwide standards** and also knows how the installer who will establish the connection at a later date works.

Whenever things become particularly complex, large companies rely on **Spelsberg – the enclosure specialist**, with experience, competence in **electrical and enclosure engineering** and with a network of suppliers that make everything possible.

In-house **prototyping**, test laboratories that are certified according to **UL** and **VDE**, and modern machinery with powerful **machining centres** guarantee fast solutions from a single source.



Pad printing



Laser printing



Digital printing

## WE ALSO WORK WITH PRESSURE VERY LARGE CUSTOMER REQUIREMENTS

Sometimes, you need just one more tiny detail for an application. Maybe an additional hole, a special inscription to meet the UL requirements or a special surface coating for EMC reasons.

The specialists at Spelsberg can provide all this and more, even for small quantities.

We print according to customer requirements and can offer you the **latest technologies**, such as the hot embossing process. Here, wafer-thin films are welded to the surface so that they are permanent and UV resistant.



Hot embossing



Printing

Special colours

Tailoring

Suitable accessories

CAD data downloads



Membrane keyboards

**We offer the following procedures:**

- Pad printing
- Screen printing
- Digital printing
- Lasering
- Hot embossing
- Labels

**Surfaces**

Do you want a special enclosure colour? We can mix the right colour when moulding. Enclosures from the catalogue can be painted, powder-coated or metallised for you if required and therefore meet any requirements for design or function that may arise. Laminating with films or functional elements such as membrane keyboards is also possible.

**In detail, we offer the following:**

- Film coating (design and functional films)
- Powder coating, EMC coating
- Painting
- Casting (coloured material)

**Tailoring / packing**

Do you need particular lot sizes, individually configured labels or special combinations in large cartons, such as bases and covers in separate cartons? That's not a problem. We can tailor your order so that it is exactly how you need it for your warehouse or building site.

**Accessories**

Do you need accessories for our products? We'll take care of it. Even if we don't have something in our range, we normally know where to get it. Take advantage of our many years of experience and our network by simply asking us.

**CAD data**

We can provide you with CAD data for our products for your own planning and project planning. All data sheets, scale drawings and 3D data are available for download from our website.



Five-axis milling machine



Tool design



Tool modification



Milling centre

## CHALLENGES ACCEPTED GRATEFULLY

Do you need additional holes or threads?  
Do you need fastening points, e.g for  
circuit boards to be welded on?

### That's not a problem.

We have modern machining centres  
and more than 80 assembly staff for  
**special tasks** and can mill or drill  
exactly as you require.


### We offer the following machining options:


- Milling
- Drilling
- Tapping
- Countersinking
- Ultrasonic welding



Die sinking

Modern ultrasonic welding for special solutions

 More than 80 trained assembly staff for series production and customer requirements

 Initial sampling within 48 hours



Installing assemblies

### Assembly

Do you want our enclosures complete with mechanical or electronic components? Upon request, we will glue on functional elements, **install** assemblies and wire electrical components. The benefit for you: In our in-house, **certified test laboratories**, we can test and certify the entire system according to **VDE** and **UL**. In this way, you obtain **turnkey, tested** solutions without delay and from a **single source**.



Testing according to VDE and UL

### In-house test laboratory

Spelsberg operates an in-house test laboratory at its headquarters in Schalksmühle for certification purposes. The laboratory and devices are not just VDE-certified, they are also UL-certified, thus enabling all of the necessary inspections for the international use of series products and **special solutions** to be conducted in-house. As a result, Spelsberg does not depend on external inspectors and deadlines and is therefore able to respond even **faster**.



Dust protection test

The test laboratory is subject to **strict criteria** and is audited each year in order to ensure compliance with the required conditions and the proper functioning of the devices.

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