

Over 60 years  
experience and competence

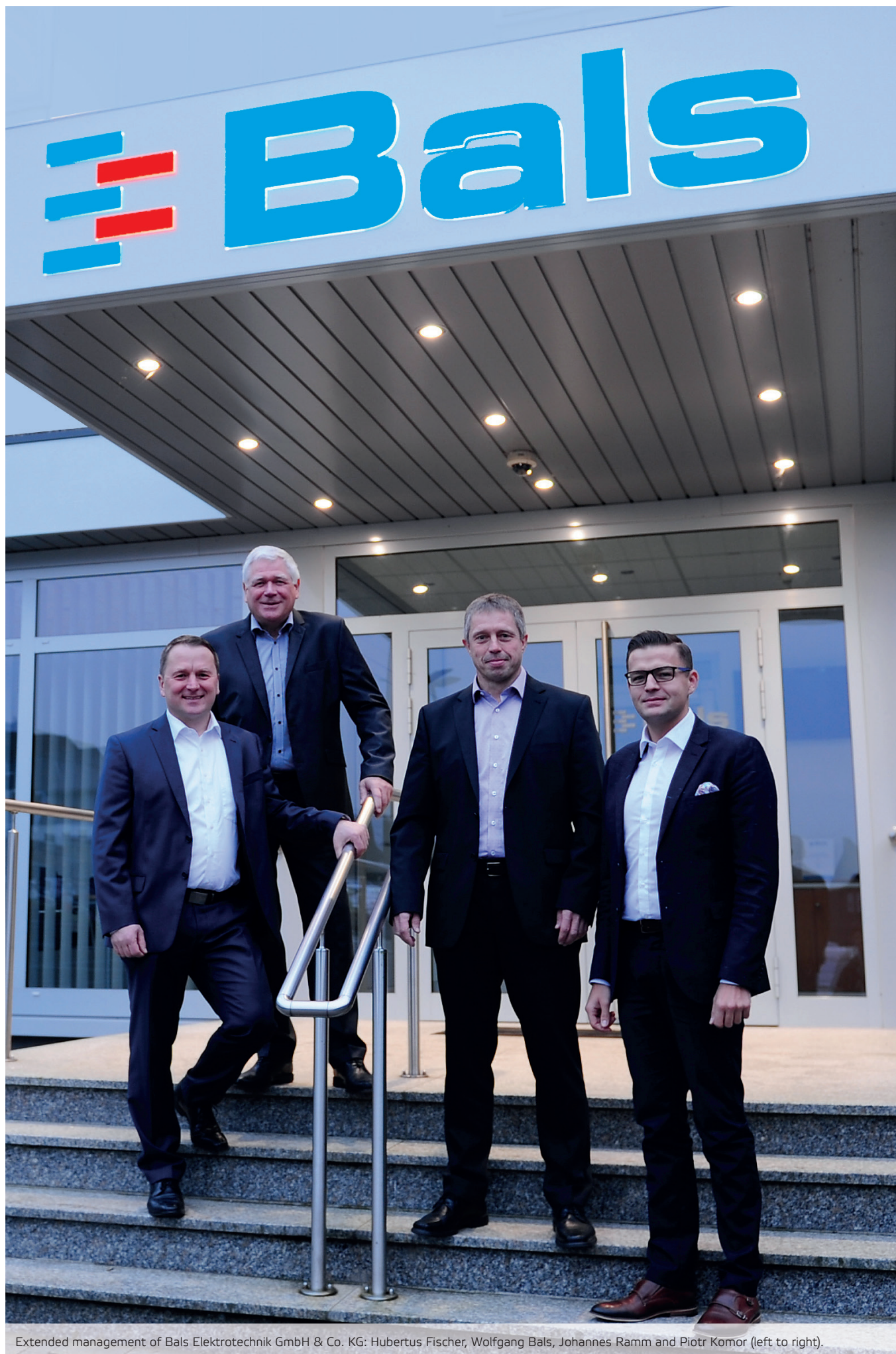


# **Bals GEE Norm**

**For more than 60 years  
we define standards for the industry**



**Simply. Well. Connected.**  
**Yesterday, today and in the future**



Extended management of Bals Elektrotechnik GmbH & Co. KG: Hubertus Fischer, Wolfgang Bals, Johannes Ramm and Piotr Komor (left to right).

## About half a century competence and experience

Bals stands worldwide as a quality brand for innovation, reliability and service. For more than 60 years, we have been producing CEE plugs and connectors for the world markets. From day one we have focussed on the highest level of quality "Made in Germany". Our factories in Kirchhundem-Albaum and Freiwalde have highly skilled and motivated teams, the very latest manufacturing facilities



and a highly efficient logistics system.

Our product portfolio ranges from plugs, phase inverters, connectors, sockets outlets and combinations units to charging plugs and sockets for electrical vehicles. Numerous certifications from German and foreign certification institutes, as well as registered designs and patents, document the high technical standard of our products.

## Two modern factories a consistent quality standard

From the beginning the headquarters of our company is located in Kirchhundem-Albaum (North-Rhine-Westphalia). Product development, marketing and sales, as well as administration are located here. In addition, plug and socket systems and special products are manufactured in the Kirchhundem-Albaum factory. The factory in Freiwalde (Brandenburg), built in 1994 and expanded many times since, has state-of-the-art production facilities for fully-automatic manufacturing of unique CEE plugs and connectors as well as a highly-effective logistics centre for the manufacturing of unique CEE plugs and connectors as well as a highly-effective logistics centre.



## CEE plugs and connectors for the world market

As an independent, medium-sized, family-owned company, we produce standardised industrial plugs and sockets acc. to IEC 60309 1-2 as well as plug and socket systems, distributors and components for the infrastructure of electrical vehicles. We set new technical standards with innovations and ground-breaking, partially patented new developments such as MULTI-GRIP or QUICK-CONNECT. The export rate in excess of 50 percent shows: Our solutions are highly valued around the world. Our products are sold in more than 80 countries. Subsidiaries and exclusive partners in strategically important countries only sell our products.



## Customer proximity: You can rely on us

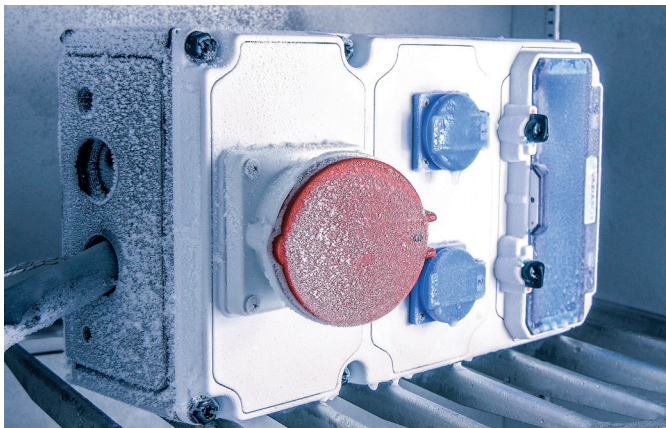
Always close to the customers. For us, this is no empty phrase but reality. Flexibility, customer orientation and the ability to quickly respond to short-term requirements are a matter of course for us. For this reason, integrated production - from the product idea and design to tool making and production to the shipment of the products - is optimised for short processing paths and the fastest response times.



Motivated employees ensure your satisfaction.

## People make the difference

200 employees, who are dedicated and tightly connected to the company, have only one goal: to satisfy you, our customers, one hundred percent. This applies to the highest of quality standards



that we apply to our product and also for made-to-measure service and personal contact from person to person.

## Our responsibility to the highest quality

Quality does not permit any compromise. This has always been the maxim at Bals. The ISO-9001-certified production process in all factories ensures the well-known high product quality. This proof of quality is reflected in patents, certificates from German and foreign testing institutes, as well as the specification of Bals products by highly renowned companies. Innovation is an important quality benchmark for us. This way, we are always setting new standards with intelligent solutions that bring the user sustainable advantages.



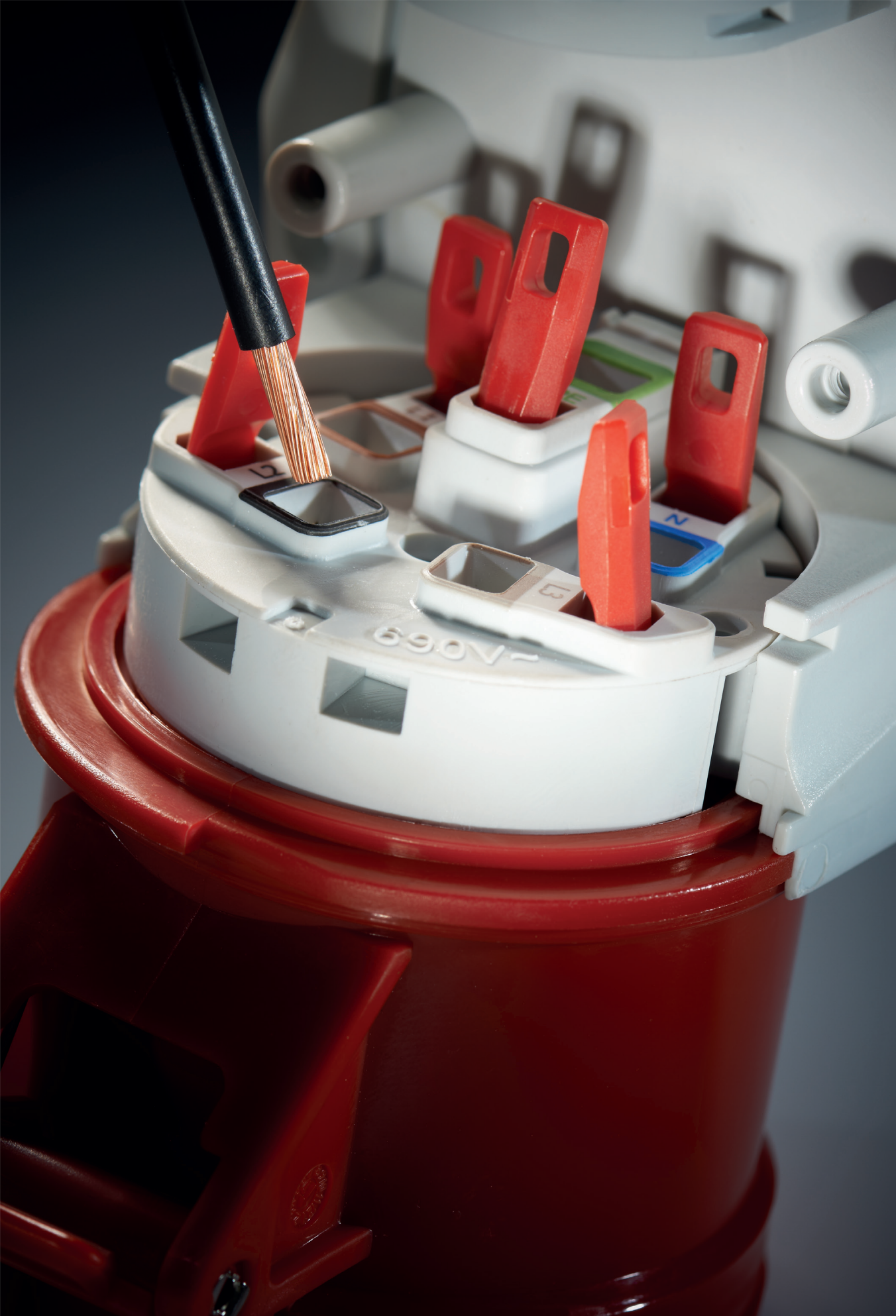
## Our responsibility to the environment

We know and love our region. Maintaining and protecting this unique landscape for future generations is important to us. Production that saves as many resources as possible, the highest environmental standards and continual enhancement of our ecological efficiency at all levels are a matter of course for us. Every individual employee at Bals is aware of this responsibility to people and nature.



## Our responsibility to people and the region

As a family-owned company, we are well aware of our special responsibility. We keep jobs safe, encourage the development of every individual and are loyal to our sites which we care for and permanently develop in the long term. Thinking about the future is also important to us: For this reason, we create qualified training positions in a wide variety of professional areas each year. We support numerous local meetings and events and employ an above average number of people with handicaps.



QUICK-CONNECT by Bals.



## QUICKCONNECT

With the introduction of this screwless connection technology in 1998, Bals again set new standards. We were the first company to offer this reliable and timesaving innovation. The patented system, which has unbeatable advantages over previously used screw connections, quickly developed into the industry standard.

As the only manufacturer worldwide, it goes without saying that Bals offers a screwless terminal connection for plugs and sockets even for an amperage of 63A. Also truly unique are the 16A and 32A QUICK-CONNECT phaseinverters.

## VARIABOX

### The distributor generation

One for all: the VARIABOX meets all requirements for a modern distributor housing and can be individually configured in five different sizes. With versions S, M, L, XL and XXL, as surface-mounting or mobile combination, we always have the right distributor for your needs.



## eMOBILE

### Strong connections for tomorrow's eMobility

eMobile by Bals offers a wide range of components and many suitable solutions for electromobility. As one of only few manufacturers, Bals offers the appropriate systems according to type 1 as well as type 2 and can thus provide plug-in devices as per IEC 62196-2 for European car models as well as for overseas electric vehicles.

The company delivers components to numerous manufacturers of charging stations, energy supply companies, municipal utilities and facility management companies.



## EVOBOX

### The portable distributor series

The new EVOBOX series is the ideal solution for mobile power supply in industry, on construction sites or in event technology. The portable distributor series is available in 4 coordinated housing sizes and impresses with its high mechanical and thermal capacity.



## Wherever our customers need us

Do something good and share the benefits to your potential customers is the motto to which we have subordinated our national and

international sales and trade fair appearances.



## We are participant at the leading trade fairs

Proximity to customers is extremely important to us: We see ourselves as a partner for our customers and consider trust and continual dialogue to be extremely valuable. At the world's leading trade fairs, at conventions or directly on site: Our incentive is to support the success of our customers by providing tailor-made solutions.

Our sales teams are close to our customers all over the world and are always available to provide advice and support for complex technical requirements.



## Our products are available in more than 80 countries

In Germany, a comprehensive sales network with commercial agencies and own field representatives ensures close and competent customer support.

Abroad, we are present in important countries such as France, Switzerland, England, the Netherlands, Poland, Finland, Russia, India and China with sales subsidiaries of our own. We have exclusive and sole partners in West – and East- Europe, South Africa, Asia, North- and South America.

Furthermore, we cooperate in many countries with committed partners on an exclusive basis in a spirit of trust. Our products are ex-stock available in more than 80 countries worldwide.



## Benefit for our customers

- Digitization with Data delivery in BMEcat ETIM
- Connection to the catalog system of Oxomi
- Electronic connection (EDifact)
- 3D data models Step or IGES
- Different leaflet designs and product animations
- Combined visits at the customer regarding technical advice
- marketing concepts together with our customers

## Our History

Friendly, deeply-rooted, dependable: These values have characterised Bals Elektrotechnik since the very first day. And so that remains today as well as in the future. Our beginnings go back almost 60 years: Günter Bals and his wife Elisabeth founded the company in 1957 - with the aspiration to provide the best possible quality for a wide range of applications in electrical engineering. Find out more about our history on the following pages.

### The beginning was a haulage company...



In 1948, after finishing his apprenticeship as merchant's assistant in the construction company Mees in Altenhundem, Germany, Günter Bals first founded a haulage company. Since then, Günter Bals continuously worked as an independent entrepreneur. He initially built up his haulage company, which operated until the sixties with up to 14 trucks. Later on, the haulage company was given up completely, which supported the fund for investments for the plug production, especially in its early stages, to a significant extent.

1957 marks the birth of the Bals Elektrotechnik GmbH. The company was founded by Günter Bals and his wife Elisabeth Bals. In this year, first efforts by the federal government were made to regiment the truck transportation. That led to Günter Bals searching for a second mainstay, that eventually led to the foundation of the company Bals Elektrotechnik and the production of industrial plugs.



1958

### Flat plugs and sockets

The serial production of the plugs and sockets begins, first even manufactured of aluminium later in plastic.

1968

### CEE standard

The CEE standard is enforced. Bals adapts their production facilities accordingly.



1980

### Reconstruction

Rapid growth leads to the reconstruction of Plant 1 in Kirchhundem-Albaum, doubling the production area.



1986

### Extension

Extension of Plant 1 in Kirchhundem-Albaum. This leads to a tripling of the production area.



1992

### Hannover trade fair

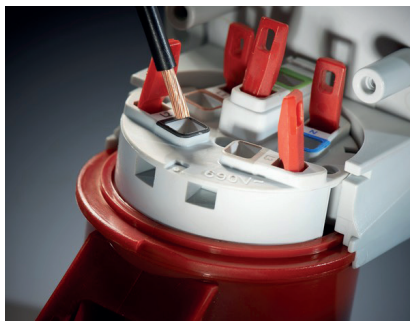
The first charging station for electric vehicles was presented on the trade fair in Hannover.

A newspaper report from 1992 reported the first „service station“ for electric vehicles.

1994

### New construction

New construction of Plant 2 in Freiwalde. Bals is one of the first companies with a production facility in East Germany.



1998

### QUICK-CONNECT

World debut of the screwless connection technology QUICK-CONNECT.

1999

### Second generation

In 1999, Wolfgang Bals, son of Günter and Elisabeth Bals, took over the position as managing associate.





2000  
Extension

Extension of Plant 2 in Freiwalde.

2002  
MULTI-GRIP

Low space requirements, simple handling, reliable function: The MULTI-GRIP cable gland system has fully convinced users around the world since its market launch .



2007  
eMobile

The future will run on electricity. As a global specialist in connection technology Bals recognised that and now offers a comprehensive range of system components and appropriate solutions for eMobility.

2010  
MODBOX

The solid-Rubber series MODBOX goes far beyond the ruggedness that you would normally expect from a power distributor, and does so even up to a protection rating of IP68.



2011  
Cooperation

Cooperation in the field of eMobility with the Lapp Group from Stuttgart.

2012  
VARIABOX

The VARIABOX, the distributor generation from Bals, meets all requirements for a modern distributor housing and can be individually configured in five different sizes.



2016  
EVOBOX

The EVOBOX series is the ideal solution for mobile power supply in industry, on construction sites or in event technology.



2016  
Brand relaunch

Power, clarity, connectivity. The further development of our company logo symbolizes the strengths of the Bals brand.



2018  
BALS-CONNECT

# BALS CONNECT

With BALS-CONNECT, the monitoring of individual loads is easier than ever. BALS-CONNECT makes your systems and machines ready for the requirements of digitization and Industry 4.0.

■ made  
■ in  
■ Germany



Simply. Well. Connected.

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