

---

**CRANES AT  
A HIGH LEVEL**

---



**ABUS**  
CRANE SYSTEMS





#### ADVICE

You can find your  
customer service representative at  
[www.abuscranes.com/contact](http://www.abuscranes.com/contact)



#### SALES

You can reach our sales  
department at  
Telephone: +49 2261 37 7700



#### SERVICE

You can reach us for  
service inquiries at  
Telephone: +49 2261 37 7000

---

## CRANES AT A HIGH LEVEL

---

---

# WE MOVE

---

---

## ... THE WORLD OF LIFTING AND MATERIALS HANDLING TECHNOLOGY

The ABUS company  
8

---

## ... IDEAS FORWARD

Our philosophy  
12

---

## ... IN THE SPHERE OF INNOVATION

The ABUS product range  
16

---

## ... IN A MULTITUDE OF SECTORS

ABUS projects  
36



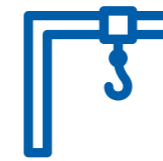
### ... LOADS OF UP TO 120 TONNES

ABUS overhead travelling cranes  
18



### ... WITH CRANES TAILORED TO YOUR APPLICATION

ABUS light crane systems  
20



### ... FROM A TO B AND BACK AGAIN

ABUS jib cranes  
22



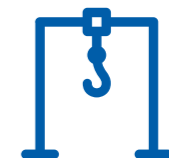
### ... WITH TIRELESS STRENGTH

ABUS electric wire rope hoists  
24



### ... EVERYTHING ACCORDING TO YOUR WISHES

ABUS electric chain hoists  
26



### ... HEAVY LOADS WITH EASE

ABUS mobile gantry crane  
28

## ABUCONTROL

### ... FORWARDS THROUGH INTELLIGENCE

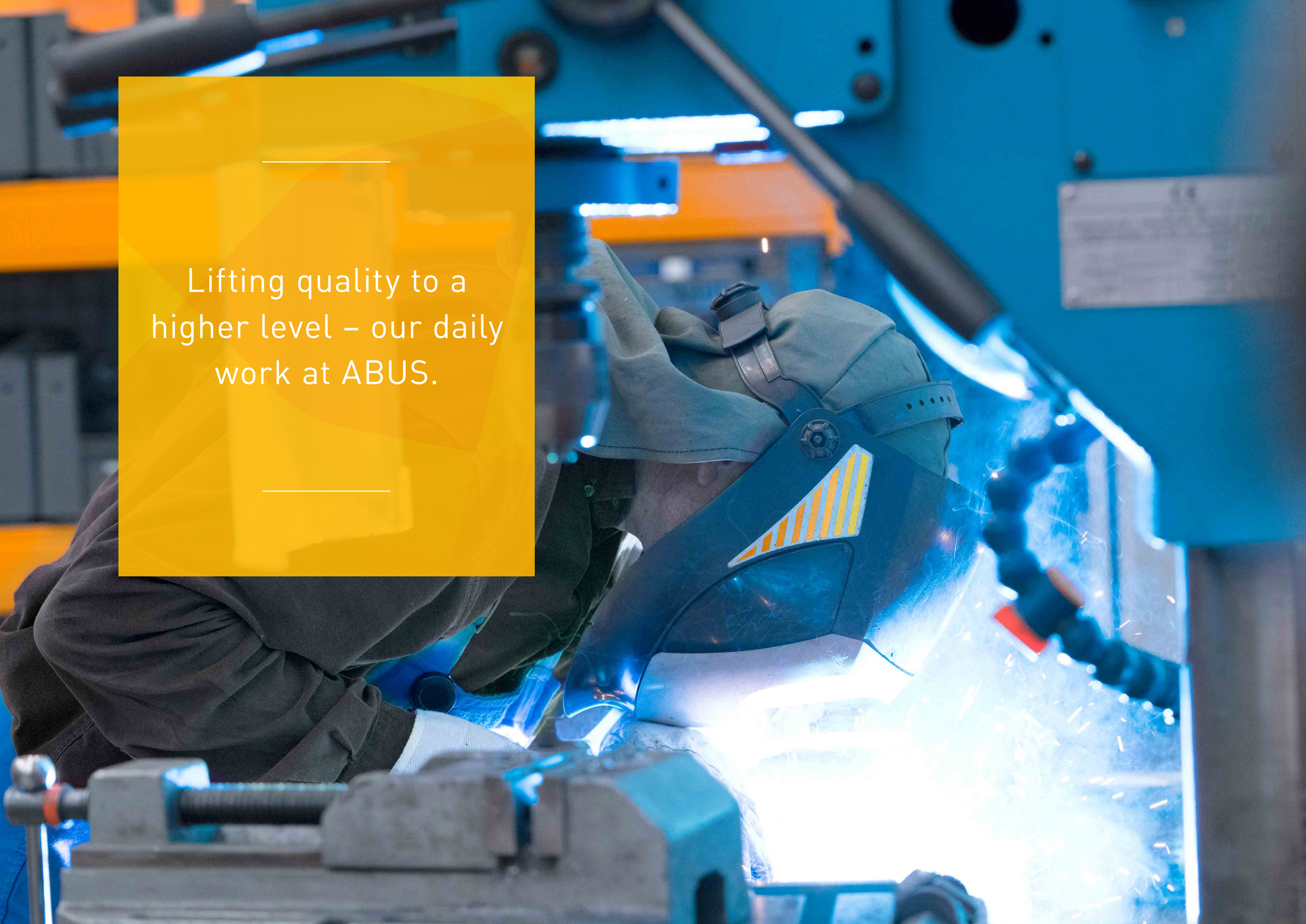
Modular crane control  
30



### ... MORE THAN JUST LOADS!

Service and installation work  
32



A close-up photograph of a welder in a factory. The welder is wearing a dark green protective mask with a clear visor and a matching cap. They are wearing dark gloves. Bright blue sparks are flying from the welding point, illuminating the scene. The background shows industrial machinery in shades of blue and orange. A yellow semi-transparent box is overlaid on the left side of the image, containing white text.

Lifting quality to a  
higher level – our daily  
work at ABUS.





650 km

Wire rope



90 t

Steel



50 km

Box girder

Over 650 km of wire rope is hoisted on ABUS wire rope hoists every year.

At our production facilities in Gummersbach we transform approx. 90 tonnes of steel into unique crane quality every day.

Each year we weld about 50 km of box girders for perfectly fitting solutions.

The ABUS company

## OUR WORLD NEVER STANDS STILL

For over 50 years, everything at our company has revolved around efficient and well thought through crane solutions for all kinds of industrial buildings and factory floors. Where a variety of heavy loads are moved daily, quality and precision down to the smallest component is sought after,

and this is exactly what makes ABUS one of the leading indoor crane manufacturers in Europe. In addition to our company headquarters and our production site in Gummersbach, we are represented globally by seven further locations as well as an international sales and service network.

---

It's not only loads  
that we transport,  
but also values,  
such as trustworthy  
co-operation

---





35.000

Companies



55

Countries



1.100

Employees



500 h

Consultation

Over 35,000 active  
ABUS customers  
in Germany

Export our  
crane solutions to  
55 countries

1,100 employees  
in Europe

Our investment in  
the best consultation:  
over 500 hours per day

Our philosophy

# TOGETHER WE MOVE MORE

Regardless of how difficult the task is or how demanding the conditions are – together the challenges are much easier. This teamwork dynamic is as true within our company as it is for the partnership with our customers. We consult with each other and look for the best solution for the specific lifting application.

As a family company, we are independent from investors' interests and benefit from the high level of commitment from the owners.

No one knows your special requirements and goals better than you do. We identify the possibilities for taking you on the fastest, safest and most efficient paths to get there.



---

With complete solutions from a single source, progress can be controlled significantly better.

---

A close-up photograph of a person wearing a blue uniform and black gloves. They are holding a grey remote control device with the text 'ABU Remote' printed on it in blue. The device has several buttons and a small display. The background is blurred, showing what appears to be an industrial or construction setting with bright lights.

**ABU Remote**



## MATERIAL FLOW

### 1st level

On the highest level, ABUS overhead travelling cranes transport loads over the entire production area.

### 2nd level

The areas along the building wall are served by ABUS wall travelling cranes and ABUS semi-goliath cranes.

### 3rd level

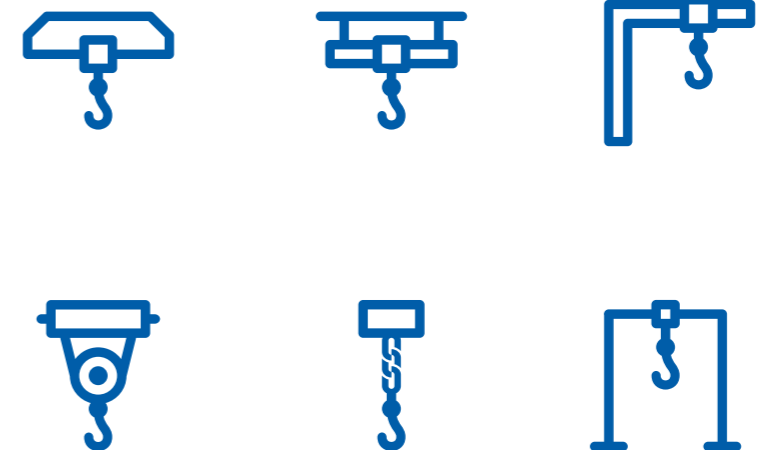
ABUS light crane systems and ABUS jib cranes equip localised areas and workbenches with lifting capability for their own independent, fast and precise work.



The ABUS product range

# EFFICIENCY AT EVERY LEVEL

THE COMBINATION OF CRANES IS DECISIVE FOR OPTIMISING THE MATERIAL FLOW IN YOUR MANUFACTURING. THE ABUS PRODUCT RANGE ENSURES MORE PRODUCTIVITY AND EFFICIENCY ON ALL THREE LEVELS.







ABUS 40 / 16 t



Load capacity  
up to

**120 t**

Span  
up to

**42 m**



ABUS overhead travelling cranes

# HEAVY LOADS, AN EASY GAME

ABUS overhead travelling cranes, with their large span and a maximum load capacity of up to 120t, ensure smooth transport of large and heavy goods even at the upper material flow level. They can lift, lower and transport loads – punctually, in a straight line or anywhere throughout the entire building area.

Depending on their area of use and the operational requirements, you can choose between five various designs: single girder travelling cranes, double girder travelling cranes, underslung overhead travelling cranes, wall travelling cranes and single girder semi-goliath cranes.

single girder travelling cranes | double girder travelling cranes  
underslung overhead travelling cranes | wall travelling cranes | single girder semi-goliath cranes

## AT A GLANCE

For transporting especially large and heavy goods

Maximum load capacity of up to 120 t

Available as single girder travelling cranes, double girder travelling cranes, underslung overhead travelling cranes, as well as wall travelling cranes and single girder semi-goliath cranes





Load capacity  
up to  
**2 t**

**flexible**



ABUS light crane systems

# STRENGTH LIES IN VARIETY

Every order is different, loads vary, and thus the crane installation should also be as easy to adapt to changing circumstances as possible. The ABUS HB system is based on the modular principle. Depending on the performance demands and space conditions, you can choose from

various crane profiles in either steel or aluminium. Thanks to fully resilient shock absorbent overhead suspension, the selection can be made independent of the suspended position of the crane tracks. This makes future modification and reinstallation of systems easier.

monorail | double rail system | single girder crane EHB  
stooled-up single girder crane EHB-X | double girder crane ZHB | stooled-up double girder crane ZHB-X  
double girder crane ZHB-3 | single girder crane EHB-I | double girder crane ZHB-I

## AT A GLANCE

Flexible modular principle  
for individual solutions

For the lifting of  
loads up to 2 t

Select from strong steel  
profiles and light  
aluminium profiles –  
can also be combined

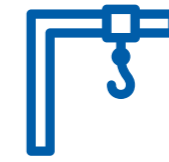
Profile lengths independent  
of suspension points





Load capacity  
up to  
**6,3t**

Maximum  
Radius  
**10 m**



ABUS jib cranes

# BRING IMPETUS TO THE PROCESS

ABUS jib cranes ensure more flexibility in the workplace and the choice of fixings, hoist and additional features allow adaptation to your application – and all to the highest quality you would expect from ABUS. They are available in three sizes,

from light to medium duty designs, which can be combined with electric chain or electric wire rope hoists according to load capacity. They can handle loads up to 6.3 t easily and gently at the push of a button.

pillar jib crane LSX | pillar jib crane LS | pillar jib crane VS  
wall jib crane LWX | wall jib crane LW | wall jib crane VW

## AT A GLANCE

Especially smooth-running  
workplace cranes

From simple cranes  
up to convenient  
complete solutions

Depending on the load  
capacity, they can be  
combined with electric  
chains or electric wire  
rope hoists

A variety of mounting  
versions

Electrical connections  
via quick-fit connectors





Load capacity  
up to  
**120 t**

**service-  
friendly**



ABUS electric wire rope hoists

# MOVING AHEAD WITH FULL PULLING POWER!

Absolute availability is the most important characteristic of a wire rope hoist. ABUS electric wire rope hoists lift up to 120 t and are technologically, electrically and electronically designed for the highest level of reliability and the toughest uses. Their extraordinary quality, flexibility and optimised service friendliness are impressive and offer precision hoist and travel speed as standard.

ABUS wire rope hoists are offered as both complete hoists on cranes as well as components. All wire rope hoists have something in common though: they are invented, developed and produced by ABUS. As the centrepiece of the crane, the hoist is responsible for safety and comfort when lifting loads – our own development and production expertise is embodied in it.

monorail hoist type E | side-mounted hoist type S | monorail hoist type U  
crab unit type D | stooled down crab unit type DQA  
twin hoist crab unit type Z | stooled down crab unit type DA

## AT A GLANCE

Highest quality due to the most modern series production

Compact design and optimal service friendliness

Flexible load capacity spectrum from 1 to 120 t

Precision hoist and travel speed as standard

Additional system components for special applications





Load capacity  
up to  
**4 t**

**compact**



ABUS electric chain hoists

# YOU LEAD THE WAY, WE'LL FOLLOW.

In stationary installations, with push trolleys or electric trolleys, ABUS electric chain hoists have a number of extremely useful, user-oriented advantages. These include a very low headroom design for optimum utilisation of available space, a standard precision hoisting speed for sensitive lifting and lowering operations and brake linings with a long service life as well as comprehensive supplementary equipment. And all this at a load capacity of up to 4 t.

ABUS chain hoists complete the product range at the lower end of the load capacity spectrum. Small loads can be moved reliably and comfortably with these state-of-the-art hoists. ABUS chain hoists can be adapted to every purpose by using supplementary equipment. Their compact structure, service friendliness and electrical design are impressive. Direct control is possible, in markets where this is appropriate.

ABUCompact GMC | ABUCompact GM2 | ABUCompact GM4  
ABUCompact GM6 | ABUCompact GM8

## AT A GLANCE

Especially low headroom design

Precision hoisting speed as standard

Brake lining with extremely long service life

Additional system components for special applications

Highest quality due to the most modern series production

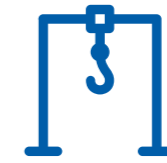
Compact design and optimal service friendliness





Load capacity  
up to  
**2 t**

**mobile**



ABUS mobile gantry crane

# STRENGTH CAN BE SO EASY

The ABUS mobile gantry crane is the universal economical solution, where lifting capacity is not permanently required and is frequently required at various places. It is designed for the ABUS electric chain hoist and for loads up to 2 t. On its four steerable stopper rollers, of which two are equipped with 90° directional locks,

the ABUS mobile gantry crane is especially easy to move. Furthermore, its supporting structure allows it to be disassembled easily. It comes in two sizes, enabling it to reach the required heights and widths of the crane over a wide area.

## AT A GLANCE

Universally applicable due to absolute mobility

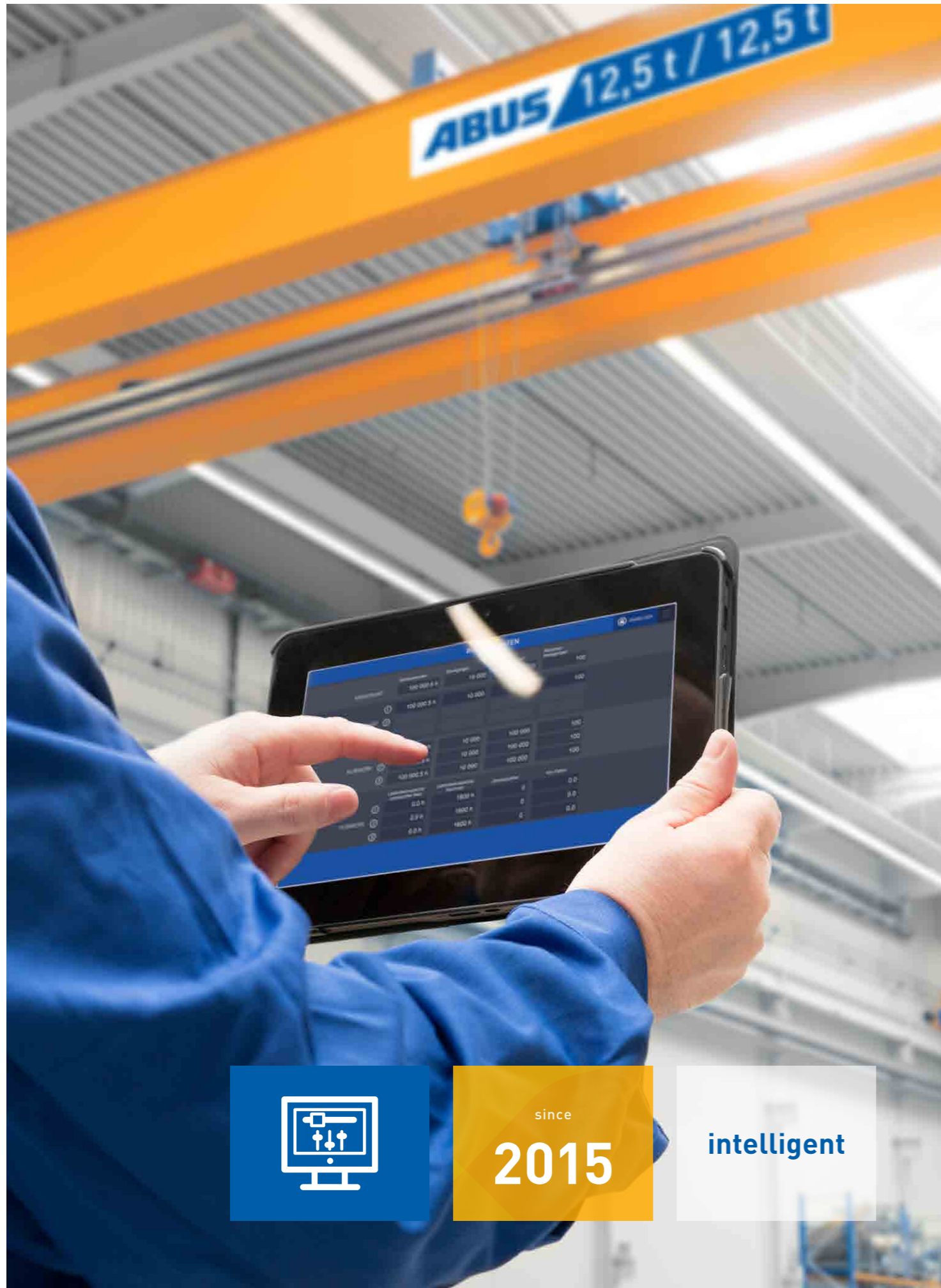
Can be easily disassembled if necessary

Use of almost all ABUS chain hoist types is possible

Complete crane incl. chain hoist via quick-fit connections

With four steerable stopper rollers





since  
**2015**

**intelligent**

## ABUCONTROL

Modular crane control

# CONTROL PROGRESS, SERVE THE FUTURE

ABUControl is a modular crane control based on single, exchangeable electronic components that have been successfully used in modern automation technology for many years. The growing demand for up-to-date and innovative machines requires powerful and intelligent control systems in the age of the fourth industrial revolution.

With ABUControl, the possibilities of technological progress have been consistently and economically integrated in the crane control. The features available to the operator increase user-friendliness, service-friendliness as well as the safety of the crane system.

### AT A GLANCE

Intelligently networked crane technology

Modular, individually exchangeable electronic components

Proven memory-programmable control (PLC)

Can be controlled remotely ABURemote

Comfortable sway control

Graphic interface with wifi (WLAN) access

Electronic track guidance system





### OUR EXPERIENCE: YOUR SAFETY

You can trust in our long-standing experience and technical expertise during installation and commissioning. We take care of the scheduled co-ordination of the delivery at the installation site and the timely provision of the equipment such as mobile crane, access platforms and fork lifts required for the installation.

Our qualified ABUS skilled technicians have mastered the latest technical standards of our products and install them with a high awareness of safety.

We will also gladly take care of the legally required „Test prior to initial operation“ before the first use of your crane. Regardless of which ABUS product or service you have chosen – you can always be certain of its high quality.



ABUS Service and assembly work

## QUALITY THAT DOESN'T GET ANY HIGHER

Our high quality standards and our understanding of co-operative partnership don't stop after the completion of the crane installation. Quality goes a lot further at ABUS. Even after your crane has left our factory, we are at your service and support you as an important customer during the entire service life of the system – and even further. We assist you with advice, customised service and training programmes.

Our ABUS DirektService includes everything to enable the straightforward, efficient and cost-effective performance of your crane installation. Over 40 service centres nationwide are the backbone of DirektService. Our highly-qualified staff have the necessary expertise to assist you with your problems and questions. In the event servicing is required common spare parts are available in our warehouses.



Wherever the journey goes, the destination is always the same: the highest customer satisfaction.







Energy supply



Mechanical engineering



Shipyards



Construction vehicles



Aviation



Civil engineering



Mobile cranes



Chemistry



Manufacturing of glassware



Wholesale and logistics



Textile production



Garden and landscaping



Mobile homes



Steel stockholding



Electrical equipment



Automobile

ABUS projects

# EVERYWHERE, WHERE IT GETS HEAVY

ABUS crane systems are available everywhere that heavy loads of 80 kg up to 120 t have to be moved. Whether it's lifting or lowering, comprehensive or linear transport – our solutions perfectly adapt to the various building geometries and system demands. That's how they increase the productivity of many well-known companies and are used internationally by industrial companies and workshops in numerous sectors, including the steel

industry, its manufacturing, processing and engineering, automobile industry, mechanical engineering, shipyards, plastic processing, steel engineering, wood industry, wind energy systems engineering and many, many more.

A small extract of current reference examples and areas of application can be found on the following page.





Emde GmbH, mechanical engineering  
in Singhofen



Municipal utilities, energy and  
water supply in Rösrath



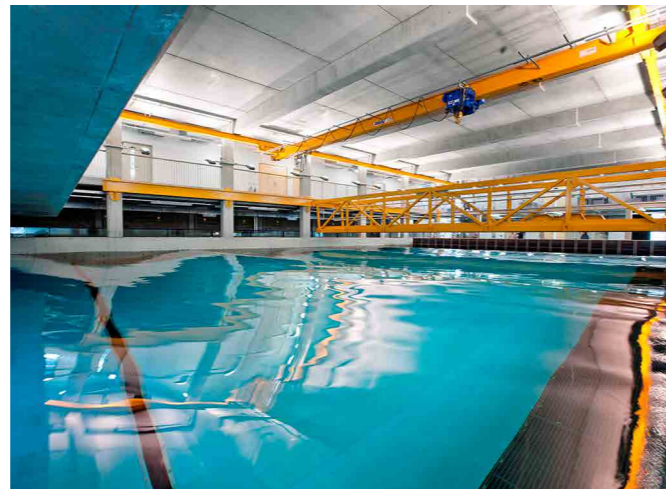
Lux-Werft und Schifffahrt,  
ship construction in Niederkassel



Fire department  
in Frankfurt am Main



ABB Daimler-Benz Transportation,  
manufacturing of rail vehicles  
in Nuremberg



University of marine science  
in Plymouth, research institute  
in England



Audi AG, automobile industry  
in Ingolstadt



Hamm AG, mechanical engineering  
in Tirschenreuth



Anchor Lamina GmbH, tool  
manufacturing in Chemnitz



Hydroelectric power station  
in Rottneros, Energy supply  
in Sweden



V. Krütten GmbH, manufacturing of  
medical plastic systems in Kierspe



sta - Schalltechnische Anlagen GmbH,  
noise control systems  
in Hamm/Sieg





KranHaus

# MOVING INSIGHTS INTO OUR WORLD

Transport loads single-handedly with a powerful overhead travelling crane, experience the ease of our crane systems yourself, ride in a 8-metre-high crane – the KranHaus at our company headquarters in Gummersbach offers an overview of current crane technology as well as an exciting insight into real-life working situations in a building that has 1,600 m<sup>2</sup> of space. In the crane workshop above the crane building, service technicians,

installation engineers, maintenance staff and crane operators are trained. Seminars on the themes of crane maintenance, repair and servicing take place in the modern training rooms that are equipped with special technology.

You are also warmly welcome to get to know the KranHaus yourself, and to optimise your individual material flow with us.





ABUS production locations

# CRANE SYSTEMS MADE IN GERMANY

Gummersbach-Lantenbach



Marienheide-Rodt



Gummersbach-Herreshagen



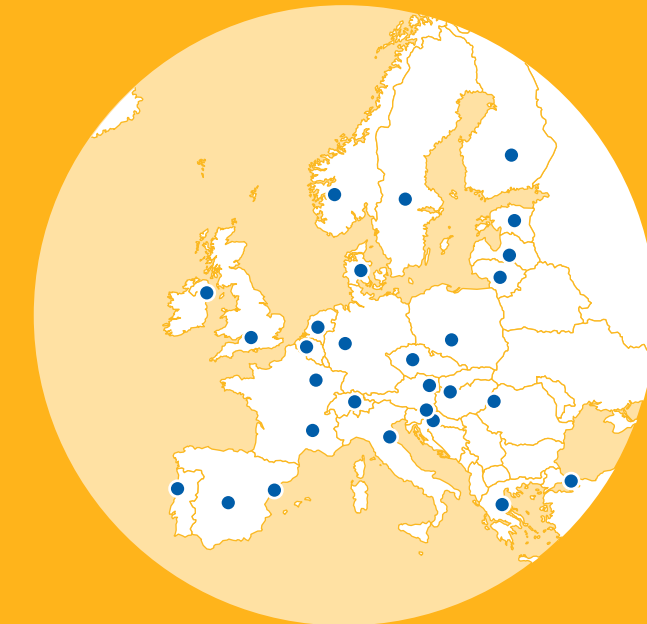
Marienheide

THE BERGISCH REGION HAS ALWAYS BEEN KNOWN AS THE TRADITIONAL MECHANICAL ENGINEERING REGION. THE HEART OF ABUS BEATS HERE TOO: THE HIGH QUALITY CRANE SYSTEMS ARE MANUFACTURED AT OUR FOUR PRODUCTION SITES AROUND GUMMERSBACH AND ARE SOLD AND DELIVERED WORLDWIDE FROM THERE.

# AT HOME ANYWHERE IN THE WORLD



ABUS SERVICE AND  
SALES LOCATIONS WORLDWIDE



Europe

**ABUS**  
CRANE SYSTEMS

PUBLISHER

ABUS Kransysteme GmbH  
Sonnenweg 1  
D-51647 Gummersbach





abuscranes.com

AN 120257GB 6.20

**WE'LL ALSO  
GLADLY MAKE  
THE TRIP TO  
YOURS!**

Get in touch with us:  
Telephone: +49 2261 37-0  
info@abuscranes.com  
abuscranes.com