

ALL ABOUT TBLOCK CK

THIN KIN GA HEAD



80 Years of Electric Advancement

Almost a century of new solutions, global connections, and innovative technologies. All of this keeps us moving, and drives us forward. Thinking ahead, developing ahead, acting ahead and all that out of conviction – for ideas of the future and the perfect power.

We can be proud of what we have achieved and look to the future with confidence. After all, we will shape it with you. With ideas that save resources, that make our customers stronger, and that use energies more efficiently. This is BLOCK – always looking to the future, with a focus on customer-oriented development and an honest business approach. We thank all our staff, suppliers and partners who contributed to this success and look forward to the future.



Wolfgang Reichelt



The Joy of Discovery

From entrepreneur to enterprise

Founded in 1939, the company's history is closely linked with its owner and CEO, Wolfgang Reichelt, who acquired the Alfred Block company in 1971. Reichelt had started here at Block a good 15 years before, and after a few other positions he returned to where it all began. His entire life has been dedicated to the art of engineering and a fascination for electronics. In a sense, the building blocks for this were found outside on the streets: "You could find all sorts of things in the woods after the war", says Wolfgang Reichelt. "I used to love collecting coils and antennas so that I could tinker with them. I built my first radio with headphones in this way in 1948." Reichelt took his interest further and developed it into his future career by training as a radio and television engineer at the company Alfred Block, based in the German town of Verden. He subsequently completed his studies in electrical engineering, thus providing the foundation for his business and technical success in that industry. His fascination for all things electronic and his joy at making discoveries remain even after all these years, and are the reasons why BLOCK continues its dynamic development.



MOT
ORBL
OCK



BL OCKHO USE



Built for the Future

BLOCK is continually expanding and changing its premises to suit its needs. Just two years after acquiring the company, Wolfgang Reichelt built a new unit next to the railway, which is still used for BLOCK production purposes today. It has always been important to the CEO that all production phases take place in-house so that the company is not dependent on third parties. However, by 1987 the company had outgrown these premises too and relocation to the industrial area on Max-Planck-Straße was inevitable. With an eye on the future, this location offered plenty of room for expansion. And a good job too, because the company now has more than 30,000 m² [323,000 ft²] of production and storage space available in Verden and plans for the next building project are already under way.



Thinking ahead also means establishing as much independent production as possible. In the future, BLOCK will still manufacture almost everything itself, from cable assemblies to SMDs used in electronics.



WESTB LOCK



Welcome to America

Since 2000, BLOCK has also been supplying optimum power in the US. With its own 2,500 m² [27,000 ft²] production unit in Franklin Park, Chicago, BLOCK USA, Inc. now sells transformers, power supplies, electronic circuit breakers, reactors and EMI filters 'Made in USA' in the Midwest. There it also has a company warehouse. German engineering with fast, quality-oriented production and a large warehouse.



“For a medium-sized company it is quite something to have such a global presence as BLOCK. The activities of BLOCK USA, Inc. are a major step forward for the internationalization of our company.”
Lars Ullenboom, Managing Director



“The investment in Kunshan is a strategic maneuver for BLOCK. Local customers can now be supplied more flexibly and quickly with high-quality products designed in Germany and 'Made in China'.”
Udo L. Thiel, Managing Director



EA STB LOCK



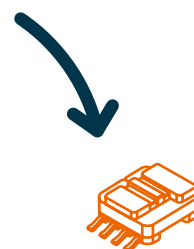
欢迎来中国

BLOCK has been active in China since 2012 with its own sales company. A new 1,800 m² [19,500 ft²] production unit has been set up in Kunshan, Jiangsu Province, with a warehouse and sales team.

BLOCKFACTS

Our smallest

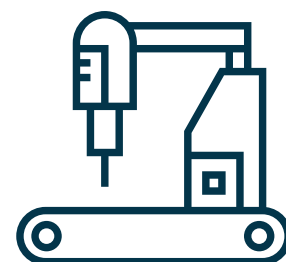
product is a PCB transformer and is already more than 100 years old. It is shown here in approx. 1:1 scale.



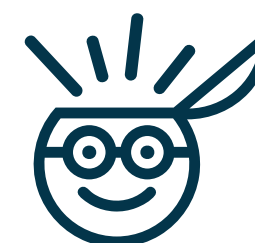
BLOCK has
4,000 customers
from **60** countries



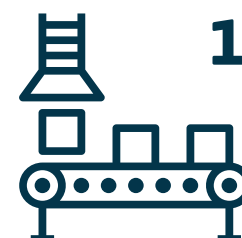
BLOCK
supplies
over 50
industries



38 locations
worldwide



80,000
products
developed
over 80 years



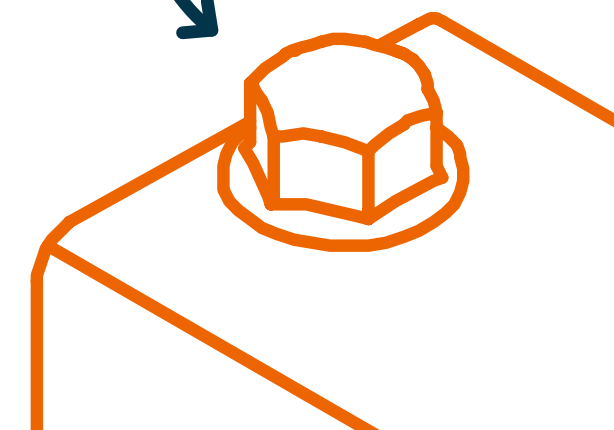
17,000
products
daily



1,200
employees
globally

Our biggest

product is called the TT3C1000-4040-0, weighs over 2.7 tons and has a rated power of 1 MVA. It is so big that we can only show the connection terminal here in 1:1 scale.





The BLOCK Kinderhaus

With the in-house day care center, BLOCK has been actively promoting a work and family life balance since 2012.



More than
300
apprentices have
successfully completed
their apprenticeships
with BLOCK

Links to the region

Company owner Wolfgang Reichelt is also involved in various social and cultural projects in the Verden area. The business owner gets involved wherever he can, whether this is to support the local Tafel foodbank, fund the sound system in Verden Cathedral, or as chairman of Verden's Economic Roundtable: "I want to give something back because I feel closely connected to the region."



Getting involved in carnival season!

BLOCK apprentices have great ideas! It was their idea to construct a float used each year in the Verdener Domweih carnival procession. A really fun project for everyone.



Into the future with BLOCK

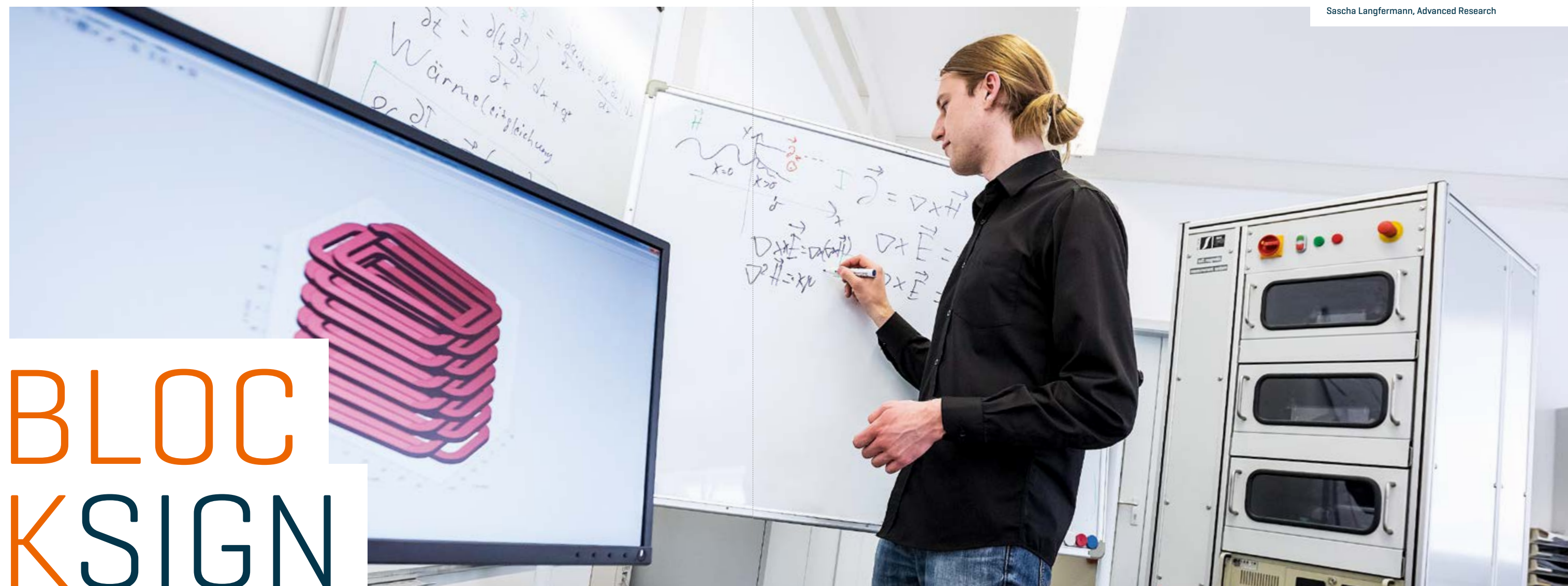
The Verden site has more than 60 apprentices, who are gaining exciting insights and performing a variety of tasks across numerous areas of the company. There are various opportunities to gain practical experience in all departments at all stages of their education – from internship to doctorate.



“Our staff are the key to our success. BLOCK will continue to invest in education and further training, and focus on ensuring a good work environment.”

Tobias Kirschke, General Manager HR

STARTING WITH BLOCK



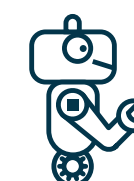
BLOCK SIGN ALS

BLOCK Development Center **A medium-sized enterprise** **with powerful research capabilities**

Innovative research projects are regularly being launched through partnerships with science and industry. BLOCK is constantly working toward technical and scientific progress, whether through collaborative robots, wide-bandgap semiconductors, 3D printing, or new product ideas. More than 60 engineers and technicians are currently working on development at the company, with ten of these working on advanced research. Engineers at BLOCK are continuously producing innovative new components that are enthusiastically welcomed by the industry. Recently, for instance, these have included development of the 24 Vdc EasyB 1-channel circuit breaker and Future Winding technology for inductors and filters.



60
engineers
and technicians
at the Development Center



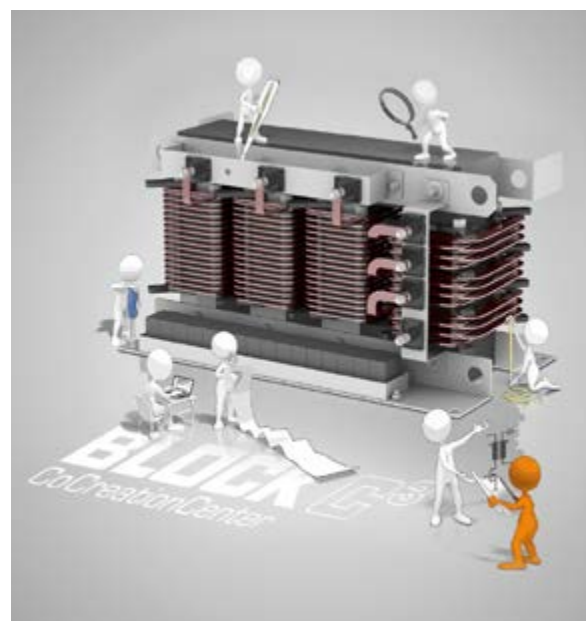


Department managers Christian Kliesch and Sandro Perthel oversee the development of new medium-frequency and high-frequency products in BLOCK C3.

CoCreationCenter

The new innovative development department

Going back decades, the in-house Development Center has been the main focus. BLOCK carries out advanced research here in close contact with universities and also trains its own postgraduate students. It is one of the fundamental bases for the company's success and represents a crucial safeguard in ensuring its future viability. The company has developed the innovative "BLOCK C3" CoCreationCenter as the latest spin-off from the Development Center, enabling it to work even more flexibly and meet customer requests as effectively as possible. Employees work particularly closely with customers in the C3 based on an interdisciplinary approach. Solutions are developed jointly here for specific tasks before being put quickly and directly into practice. A product's digital twin is one of the building blocks for success in the solution process. BLOCK successfully utilizes its extensive network here to actively promote efforts to exchange knowledge with customers and research institutes.



BLOCK C³
CoCreationCenter

BLOCK Custom-made

BLOCK designs and manufactures for over 50 different industries

With development, manufacturing, and certification all being done in the same place, customer demands can be met flexibly, competently, and quickly. This makes BLOCK a sought-after partner for many industry sectors. The certified Development Center is therefore the right partner for individual custom-made solutions, particularly in highly demanding areas such as rail or medical technology.

BLOCK
CUSTOM
MADE



SPIRAL AL BL OCK

BLOCK

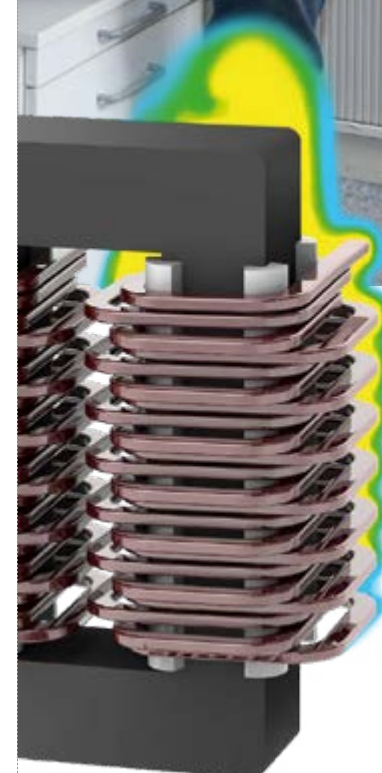
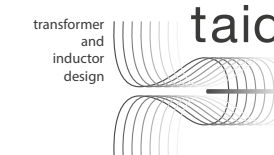


“A diverse product range and a high level of vertical integration also call for extensive calculation capacity.”
Michael Owzareck, Advanced Research

taid

Excellent and innovative development

BLOCK generates 80 % of its sales with individual customer solutions. And it was BLOCK itself that developed taid, the quickest and most accurate calculation tool for inductive coiled products in the world. This means BLOCK can develop and produce exactly the kind of product its customers need. Quickly and efficiently.



BLOCKBUSTER



“Thanks to highly innovative technology and expanded capacities, we are able to respond even better to our customers’ changing requirements.”
 Jens Scheffelmeier, General Manager
 Production and Logistics

BLOCK Products on the Path to Success

Be it a transformer, circuit breaker, switched mode power supply, reactor or EMI filter, no requirement is too much and no technology too complicated. Together BLOCK develops and manufactures the best possible products to supply customers with the perfect power. Over the years, BLOCK has developed some real BLOCKbusters for which the customers line up at the door.

Powerful Future Winding technology

The Future Winding technology designed by BLOCK enables a new dimension of performance optimization for inductive winding products. The unusual coil design is a real eye-catcher.



Excellent design

BLOCK's switched mode power supplies are not only powerful, compact and robust. The Power Mini series has also won the industry RedDot Design Award in the past.



Extraordinary transformer-reactor solution

The 3-phase transformer-reactor combination ensures the best possible heat exchange with its coiling-integrated cooling ducts. The integrated forklift transport slots are a particular highlight.



Smarter circuit breaker EasyB

Following a successful market launch and nomination for the Hermes Award 2016 at the Hannover Trade Fair, 'EasyB', the modular 24 V circuit breaker system, was then nominated for the Best of Industry Award 2017 in the automation category. The innovative combination of an extremely narrow width, a very high current-carrying capacity, automatic addressing and an additional switch-on function won over judges and customers alike.



Tried and tested railway quality

BLOCK delivers the best conditions for railway technology applications, whether for regional trains or the metro in Shanghai. Developed and tested to strict standards, they can stand up to anything.





Alica Bogner, Purchase

ORDER BLOCK

Success needs Know-how

There is know-how aplenty in the modern production halls. Work steps are only automated where it makes sense to do so. No matter what the order is: one-off items, customer-specific products or serial production items, it is not only the machines and tools that need to be flexible. It is only with well-trained staff that one can produce reliable products and keep customers happy.



The aim to be no. 1 increases all staff's identification with the company. BLOCK will continue to work on achieving this each and every day.

ADVERTISING BLOCK

There from the start

BLOCK exhibited at a trade fair for the first time in 1976. The Hannover Messe is one of the most important industry trade fairs in the world and it takes place in Germany. Wolfgang Reichelt has been on the advisory board shaping the future since 1996. The global popularity of German trade fairs is used to win new markets and customers.



Marlis and Wolfgang Reichelt talking to future German Chancellor Gerhard Schröder



In addition to its online presence, BLOCK also knows the importance of direct contact with customers.

FANB LOCK K

Dr. Dennis Kampen: From trainee to doctor

Dr. Dennis Kampen has been a permanent employee of BLOCK since 2007. He started out as a trainee in 2004 and he helped set up the Advanced Research Department at BLOCK. In 2012, he completed his doctorate and he currently manages the Advanced Research Department as a member of the management board.



Lothar Ketelhohn: 45 years at BLOCK

Lothar Ketelhohn started working for BLOCK in the early 70s, during his school holidays. In 1974 he started his training to become an electronics mechanic. He now works in the quality control department and uses his experience and diligence to produce the best possible products "made in Germany".



Wolfgang Reichelt honors Lothar Ketelhohn for his 45 years of service.



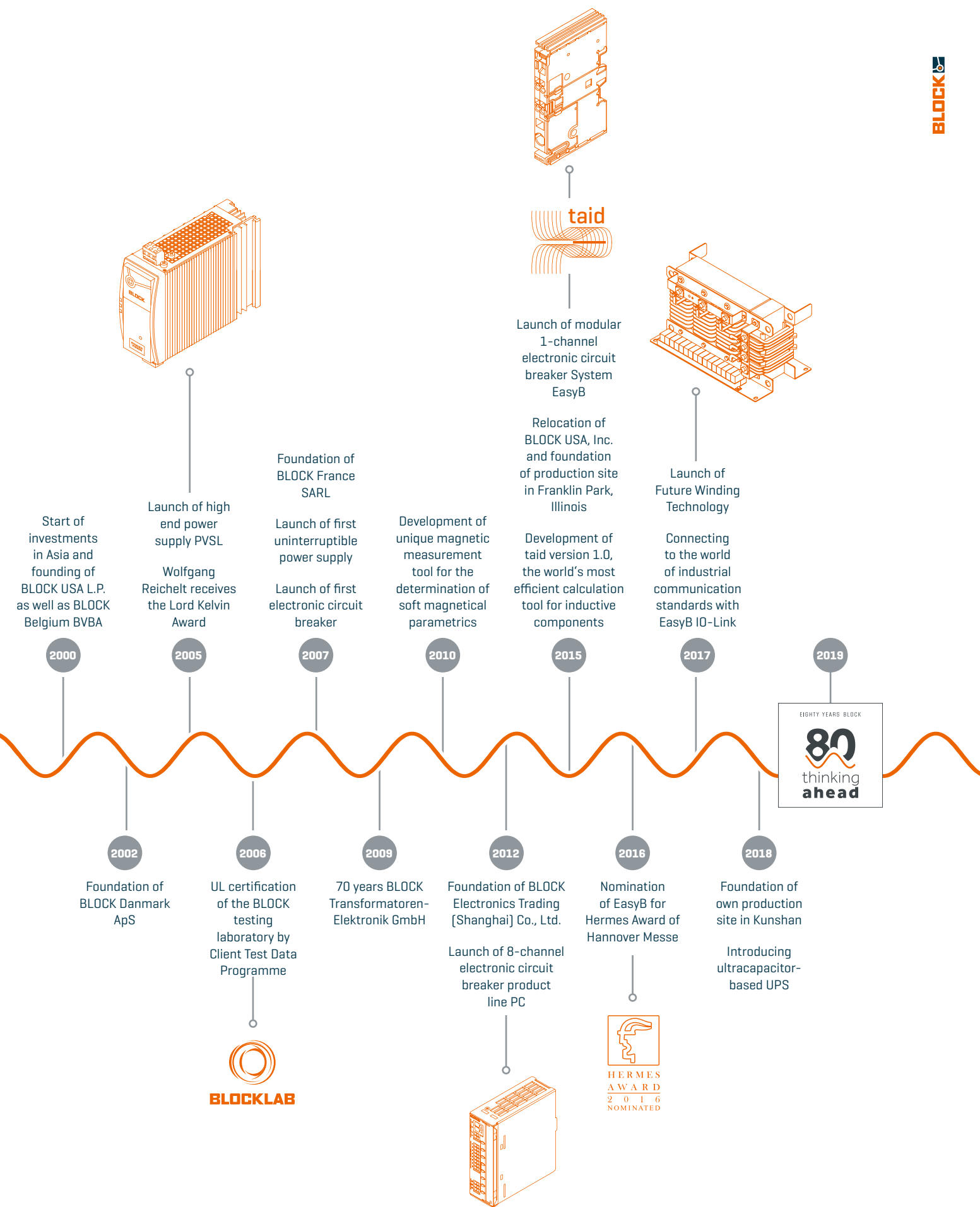
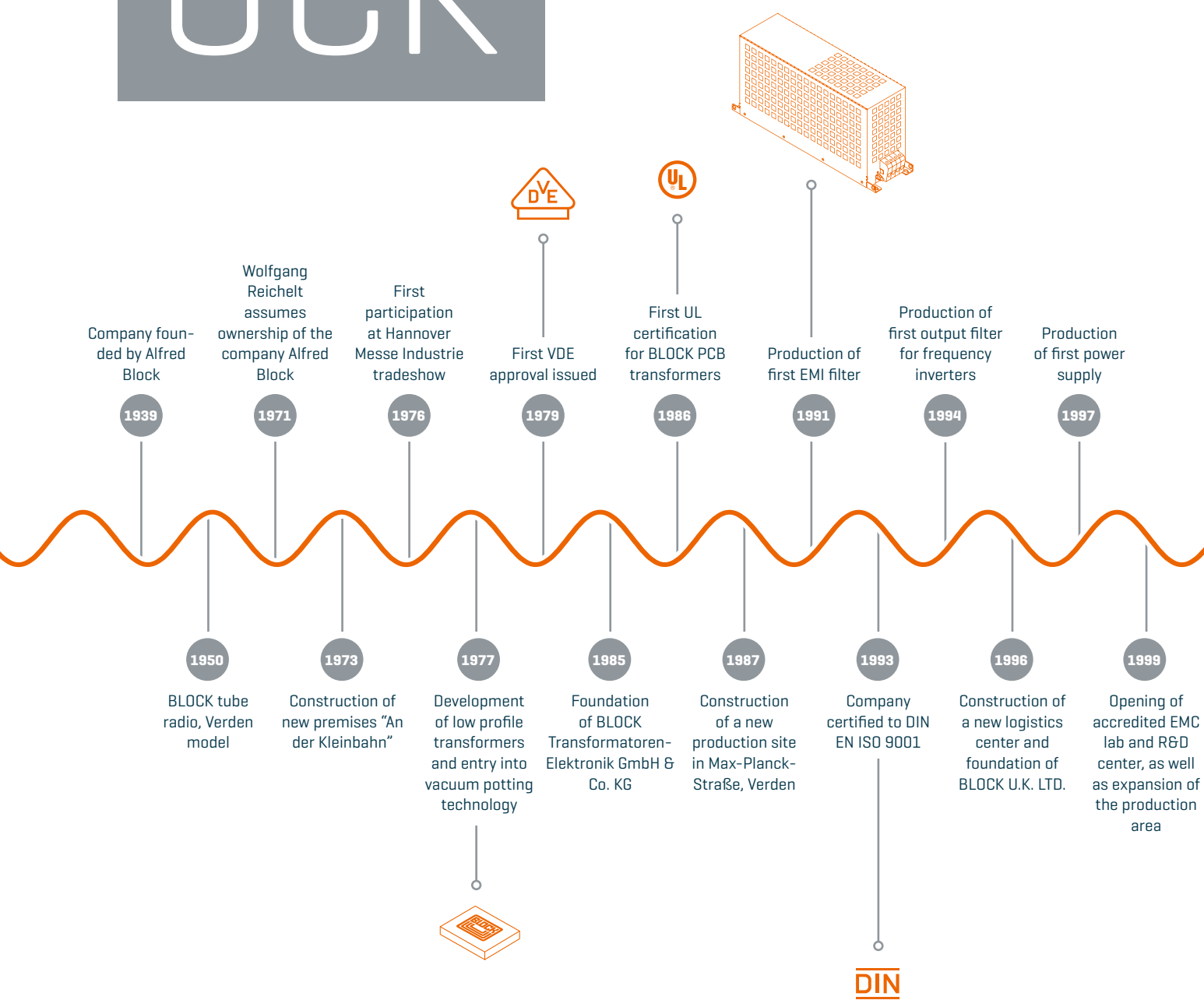
From studies to studies to studies to the management board

Tobias Kirschke joined the company in October 2008 and started his career with a dual-mode study program in industrial engineering. Already during his studies, he was appointed Assistant to the General Manager for Production & Logistics and subsequently took over as Head of Logistics & Supply Chain Management. After completing his MBA at the TU Chemnitz, in 2017 he set a new milestone with starting his Master's degree in Business Law at the Nordakademie Graduate School and took over the human resources management, which he has been responsible for as General Manager since June 2018.



**30 % of all
employees were
trained
by BLOCK itself**

TIMEBLOCK



THE FUTURE
IS **EXCITING**, LET
US SHAPE IT
WITH YOU.





BLOCK CHAIN

Kai Heinemann

General Manager
Development, Product
Management

Veit Brämer

General Manager Sales

Tobias Kirschke

General Manager
Human Resources

Udo Leonhard Thiel

Managing Director R&D,
QM, Sales, Marketing

Wolfgang Reichelt

Owner and CEO

Lars Ullenboom

Managing Director Finance,
Controlling

Jens Scheffelmeier

General Manager Production,
Logistics

Michael Linke

General Manager
Purchase

Dr. Dennis Kampen

General Manager Research,
Innovation

ALL ABOU TBLO CK



BLOCK 