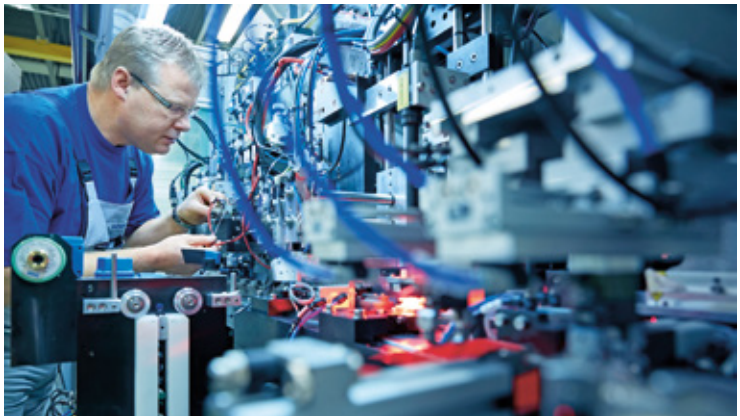
be Berlin

Electrical Industry
in the Capital Region Berlin-Brandenburg

Production of electronic assemblies



Automation technology for system controls

Companies
AEMtec
AKTIV- KABEL
alpha-board
ALRE-IT Regeltechnik
Andus Electronic
AUCOTEAM
BAE Batterien
Baumer Hübner
Biotronik
Bogen Electronic
Bombardier
BSH Hausgerätewerk Nauen
Bühler electronic
Code Mercenaries Hard- und Software
Confecta
Contag
Coriant
Corning
DeltaTech Controls
Draka Comteq Berlin
EAW Relaistechnik
EDI.SON energietechnik
ELDAT
Elpro
Fernsteuergeräte Kurt Oelsch
Finetech
First Sensor
FLEXIM
Fuss-EMV
FST Industrie
GE Power Conversion
HMP Heidenhain-Microprint
Holmberg
imc Meßsysteme
InSystems Automation
Kaufel
KBE Elektrotechnik
Kieback & Peter
Knick Elektronische Messgeräte
LayTec
LeitOn
Menzel Elektromotoren
MFP Production
microtech
Mikron Berlin
MSA Auer
MTS Systems
Optris
Osram
PCS Power Converter Solutions
Pepperl + Fuchs
Promess
Prysmian Kabel und Systeme
PUK-Werke
Raytek
Ritter Starkstromtechnik

The electrifying capital region

At the beginning of the 20th century, Berlin was an “electropolis” – the city of electricity. This is where inventions such as the electric tram, the TV, the computer and the hairdryer were born. No industry has shaped Berlin and the surrounding state of Brandenburg as much as the electrical industry and the electricity sector. Today, the electrical industry is one of the industries in Berlin that employs the most people. In comparison with other segments in the manufacturing sector, the electronics industry has the highest proportion of innovative companies. One in three patents registered in Berlin, a total of more than 10,000 in the past two decades, comes from the field of electrical engineering. The Berlin electrical industry therefore continues to be a think tank for the whole world.

»For our medium-sized company, Berlin offers the best conditions for the development of our innovative products: an outstanding scientific landscape, diverse creative scene, not to mention the powerful and internationally strong established industry.«

Sven Dübbers, Managing Director
Schleicher Electronic Berlin GmbH

»Modern infrastructure, leading research institutes, well-educated young people, international appeal: Berlin not only provides an ideal environment for growth and innovation, is also a city with a heart.«

Dr. Martin U. Schefter, CEO
First Sensor AG

A charged industry

Large companies – such as Siemens and Osram – as well as many medium-sized companies in the electrical industry are traditionally associated with the city of Berlin. In addition, many small businesses, often spin-offs from the universities and institutions of higher education, have also become leaders in the global market – so-called hidden champions. Energy and environmental technologies are at the heart of the electrical industry. Power converters and electrical equipment for wind power plants as well as industry applications are built in Berlin. In addition, there are also many companies in the electronics and microelectronics sectors that develop and manufacture optical components, modules and subsystems for telecom applications, measurement systems, automation engineering, medical technology and more. Electromobility is another field with great potential. The “International Electromobility Showcase” has turned the capital region into one of the four electromobility showcases in Germany. Relevant for the future, industry 4.0 meets new digitization requirements for the industry. Linked to this is the ever-increasing integration of automation technology with information and communication technologies.

Electrical engineering for the supply of energy

- Industry with the largest workforce
- Around 170 companies with 28,000 employees (based on companies with 20 or more employees)
- € 5.3 billion combined total revenue
- A place for electronic and microelectronic companies to develop and manufacture optical components, modules and subsystems or telecom applications, measurement systems, automation engineering and medical technology

Source: ZVEI - German Electrical and Electronic Manufacturers' Association, Regional Office Berlin

Solid foundation in research and education

Electrical engineering in the capital region is characterized by its close ties to the excellent universities, institutions of higher education and research institutes. The region attracts students and researchers from all over the world. More than 3,500 students are enrolled in the Electrical Engineering and Computer Science Faculty at TU Berlin alone. In addition to university research institutes, highly specialized institutes study a wide range of electrical engineering fields. Companies themselves offer a variety of vocational training programs in the internationally recognized work-study format whereby vocational training is coupled with coursework. The ABB Training Center (ATC), for instance, supports such programs. In addition, Berlin is also involved with various initiatives in recruiting and promoting women in STEM fields.

»The company FUSS-EMV was founded in 1908 in Berlin and has grown by developing and producing electrotechnical components necessary for electromagnetic compatibility. Growth through innovation, innovation in products from Berlin, which we offer and sell throughout the entire world.«

Christoph Keddig, Ing.
Max Fuss GmbH & Co. KG

»The Berlin electrical industry is characterized by its close ties to the institutions of higher education and research institutes. HTW, Berlin's largest university of applied sciences with 13,000 students, has set itself the goal of becoming linked with and pursuing Berlin's tradition as an electrical industry hub through applied research and by developing cooperation with industry.«

Prof. Dr.-Ing. Stephan Schäfer
HTW University of Applied Sciences

Electrical industry cross sectors

In 2011, the states of Berlin and Brandenburg decided on an innovation strategy (innoBB) for the development of an internationally competitive innovation space. innoBB focuses on the targeted development and expansion of 5 clusters with high development potential: healthcare industries; ICT, media and the creative industries; transport, mobility and logistics; energy technology; and photonics. The electrical industry is one of the most important cross-section industries for all the clusters. It makes a significant contribution to the growth of the clusters as an innovation supplier with cross-sector technologies and methods, but also promotes their already high growth momentum. The electrical industry is therefore a key driver of the innovative and competitive capital region.

ROKA
Schleicher Electronic
Schneider Electric
Selux
Siemens
SPITZKE
Swissbit
Taube Electronic
TDK-EPC
Tektronix Berlin
Temic (Continental Automotive)
Teseq
TIGRIS Elektronik
Tixi.Com
uesa
Wissenschaftlicher Gerätebau Knauer
Witt IndustrieElektronik
XION medical
Yacoub Automation

Science I Research and Development

- Technische Universität Berlin:
  - Institute of Energy and Automation Technology
  - Institute of High-Frequency and Semiconductor System Technologies
  - Institute of Telecommunication Systems
  - Institute of Computer Engineering and Microelectronics
- Fraunhofer Institute for Reliability and Microintegration IZM
- Fraunhofer Institute for Telecommunications, Heinrich Hertz Institute, HHI
- Ferdinand-Braun-Institut, Leibniz-Institut fuer Hoechstfrequenztechnik (FBH)
- Hochschule für Technik und Wirtschaft (HTW) Berlin – University of Applied Sciences
- Beuth University of Applied Sciences Berlin
- DFG Forschungszentrum Matheon – Mathematics for key technologies
- Paul Drude Institute for Solid State Electronics (PDI) Leibniz Institute
- Leibniz Institute for High Performance Microelectronics (Frankfurt/Oder)
- Brandenburg University of Technology Cottbus–Senftenberg
- Brandenburg University of Applied Sciences
- GFaI Gesellschaft zur Förderung angewandter Informatik e.V.
- Technical University of Applied Sciences Wildau

Our goal: your success!

Networks I Initiatives and Associations

- ZVEI - German Electrical and Electronic Manufacturers' Association, Regional Office Berlin
- VDE – Elektrotechnischer Verein (ETV) e.V. Bezirksverein Berlin-Brandenburg im VDE
- VDI BV Berlin-Brandenburg e.V.
- Cluster photonics (optical technology and microsystem engineering segments)
- ME-Netzwerk – Netzwerk der Metall- und Elektroindustrie
- Verband der Metall- und Elektro-industrie in Berlin und Brandenburg e.V.
- AMA Association for Sensors and Measurement
- Fachverband Elektronik-Design e.V.
- Technologiekreis Adlershof e.V.

The list of companies and institutes may not be complete.

The electrical industry is one of Berlin's main industries. In addition to large companies, numerous medium-sized industrial companies are active in the electrical industry, including many hidden champions. The city offers excellent starting conditions for growth, production, research and development. Economic policy focuses on innovation and technological performance. Our goal is to help companies and scientific institutes start-up, develop and network here.

We support you with:

- Finding a location
- Funding and financing
- Technology transfer and R&D cooperation
- Collaborative networks
- Recruiting strategy
- Visa applications
- International market development

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Berlin Partner for Business and Technology

Berlin Partner für Wirtschaft und Technologie GmbH
Fasanenstr. 85
10623 Berlin
www.berlin-partner.de

Contact: David Hampel
Tel +49 30 46302-422
david.hampel@berlin-partner.de

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