



# PRECISION VOLTAGE

TRANSFORMERS | UPS | HV POWER SUPPLIES |  
SERVICE CENTRE ELECTRICAL DRIVES





# INTERNATIONALLY SUCCESSFUL, BUT ROOTED IN THE FAMILY

HIGH-PRECISION HANDLING OF CURRENTS, VOLTAGES AND DRIVE TECHNOLOGY THESE ARE THINGS THAT J. SCHNEIDER ELEKTROTECHNIK HAS LONG BEEN KNOWN FOR. EVOLVED FROM FAMILY VALUES – AND EQUALLY SUCCESSFUL TODAY ON A REGIONAL AND INTERNATIONAL LEVEL.

Family values have been taken seriously at J. Schneider Elektrotechnik from the very outset. And this has not changed from 1939 to this day. Because they are the basis for trusting and fair dealings with all of our employees. This is the only way that they can realise their talents and capabilities in the best possible way together deliver outstandingly innovative services for even the most demanding of customers.

## ACTIVE IN MANY WAYS

We develop bespoke solutions for a wide variety of problems in close cooperation with our customers:

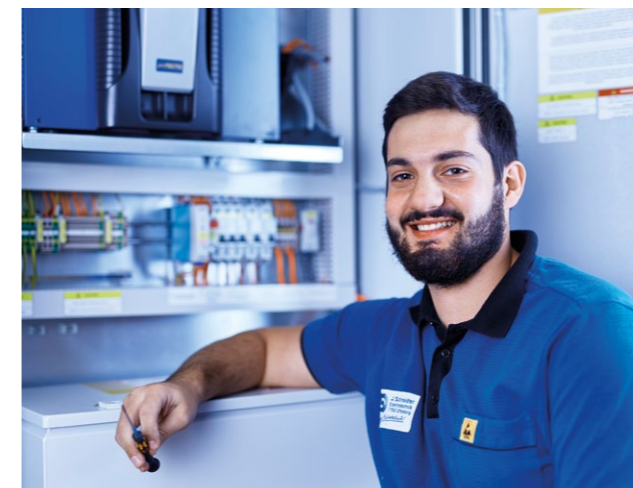
- from individually manufactured, special transformers for tunnel drilling machines,
- via VdS-tested uninterruptible power supplies (UPS) for safety-relevant industrial applications,
- high-precision high-voltage and plasma power supplies for more and more new high-tech processes
- right through to reliable services for the most up-to-date electrical drives in public transport, theme parks and paper factories.

With mutual respect and a high social responsibility we develop sustainable solutions at the cutting edge of technology with and for our customers. And word of this has now spread from the Upper Rhine to many parts of the world. Making us what we are today: internationally successful – on the sound footing of a traditional, family-owned company.

Getting the best results together.

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# IT LIES IN THE FAMILY

CONTINUOUS SUCCESS IS ONLY POSSIBLE IN A STRONG COLLECTIVE. WHICH IS WHY WE PLACE GREAT STORE IN FAMILIAR AND RESPECTFUL DEALINGS AT ALL LEVELS.

We encourage collaboration between our more than 350 employees, allowing each of them to develop their talents to the full and contribute these to the common cause. This is what makes the J. Schneider team spirit so special.

## CLEAR THE STAGE FOR THE NEXT GENERATION

A family always takes particular care of its young. As do we. Our aim is bespoke: individual training. We foster the strengths of young, dedicated people and help them work on developing aspects of their personality that may not initially be obvious. So that they quickly find their place in the J. Schneider team.

The trainees' and apprentices' own website at [www.massgeschneiderte-ausbildung.de](http://www.massgeschneiderte-ausbildung.de) illustrates just how important this topic is.



Passing on valuable knowledge – and promoting important talents. This keeps J. Schneider at the cutting edge of technology.



## DEVELOP ALL TALENTS

But we provide solid support for the development of not only our young talent. This applies for all of our employees. After all, technologies and applications are developing at breakneck speed. Accordingly, our teams always have to be at the cutting edge too. We give everyone the chance to develop their professional talents. This is the only way to make good progress together.



## WHAT YOU CAN RELY ON:

- A STRONG CUSTOMER FOCUS FROM THE VERY START
- EXTENSIVE, PARTNER-LIKE COOPERATION
- THE HIGHEST QUALITY THANKS TO HIGHLY MOTIVATED, AUTONOMOUS TEAMS
- EXCELLENT SPECIALIST SKILLS IN ALL FIELDS
- TECHNOLOGICALLY OPTIMISED SOLUTIONS AT ALL TIMES
- GREATER SAFETY THROUGH DETAILED TESTS, FROM PROTOTYPES THROUGH TO THE FINISHED PRODUCT
- RELIABLE AVAILABILITY, AROUND THE CLOCK
- INTERNET-BASED REMOTE DIAGNOSES

## SIMPLY CLOSER

WE ARE PASSIONATE ABOUT YOUR REQUIREMENTS. WE LISTEN TO WHAT YOU HAVE TO SAY, ASK QUESTIONS AND GET TO THE BOTTOM OF EVERY DETAIL BEFORE PRESENTING AND IMPLEMENTING AN OPTIMUM SOLUTION. AT THE CUTTING EDGE OF TECHNOLOGY AND IN THE BEST J. SCHNEIDER QUALITY.

### COMPREHENSIVE CUSTOMER ORIENTATION

When it comes to implementing demanding tasks, it pays to remember what we have described as our family-based corporate culture. Thanks to the good cooperation and the fair dealings, everyone involved in the project can work together to the best of their abilities – and with you and your employees. Starting with sales, through development and production, right down to service: we speak a customer-focussed language.

### A HIGH PERSONAL RESPONSIBILITY FOR QUALITY, RIGHT DOWN THE LINE

Everyone involved is well aware of their responsibility for perfect quality solutions in every phase of their work. Motivation and a willingness to assume personal responsibility are particularly high wherever people are heard and are allowed to develop. This ultimately leads to a particularly high quality: in both individual products as well as extensive services, which ensure your bespoke power supply and operational readiness around the clock. 365 days a year.

### COMPETENCE IN EVERY FIELD

The close cooperation with our specialists in every business unit gives you that extra bit of security that makes all the difference. Together they test and optimise your switching topologies, develop and optimise prototypes and then put everything to the acid test so that everything runs smoothly for you in the end.

Everyone here knows exactly what they are doing – and that everything depends on them. So that you get quality down to the last detail.

We give our all for your precise voltages. Always.

”

BESPOKE TRAINING –  
THAT MEANS: YOUR WISH  
COMES TRUE!



# FOUR-FOLD CUSTOMER-ORIENTATION

OVER THE PAST DECADES, J. SCHNEIDER HAS DEVELOPED AN EXCEPTIONAL EXPERTISE AND CUSTOMER-ORIENTED SERVICES FOR VARIOUS LINES OF INDUSTRY AND APPLICATIONS IN EACH OF ITS FOUR BUSINESS UNITS.

## TRANSFORMERS

### Products

- Small transformers, even in large numbers
- Medium-voltage transformers
- High-current transformers
- Individual special transformers
- Inductivities
- Your specialist for custom solutions and systems

### Markets & applications

- Regenerative energies, e.g. photovoltaic systems, wind turbines
- Foundry plants
- Infrastructure and public transport
- Electromobility
- Machine building industry
- Drive technology

### Geographic targeting

- Europe-wide

## UNINTERRUPTIBLE POWER SUPPLIES (UPS)

### Products

- DC UPS systems with batteries
- DC UPS systems with ultracapacitors
- AC UPS systems with batteries
- AC UPS systems with ultracapacitors

### Markets & applications

- Safety engineering
- Regenerative energies, e.g. wind turbines
- Machine building industry
- System providers
- AC UPS service
- Industry 4.0 applications
- Gateway connectivity: interface for telemonitoring
- Safety in local power grids

### Geographic targeting

- International “Global Player”

## HIGH-VOLTAGE AND PLASMA POWER SUPPLIES

### Products

- High-voltage power supplies from 1 to 120 kW with output voltages from 150 to 150,000 V DC
- Plasma power supplies from 400 to 2,500 V as DC devices, DC pulsed or bipolar

### Markets & applications

- Demanding coating processes, e.g. ophthalmic lenses
- High-tech productions
- Sputtering
- Electron beam evaporation
- Electron beam welding
- Ion beam systems
- High-voltage plasmas in coating technology
- Plasma 3D printers

### Geographic targeting

- International

## SERVICE CENTRE FOR ELECTRICAL DRIVES

### Products

- Repair of electrical drives
- General overhauls in the service centre: motors up to 10 t and 3,000 kW
- Service at the cutting edge of servomotor technology
- Retrofit
- Complete motor management: dismantling, overhaul, installation, control, mechanical conversions
- Mobile balancing
- On-site machine diagnosis

### Markets & applications

- Manufacturing trades, e.g. paper factories
- Traffic engineering, e.g. trams
- Hydroelectric power
- Theme parks
- Public transport

### Geographic targeting

- Regional: Baden-Württemberg (Germany), Alsace (France)



TRANSFORMERS OF EVERY SIZE AND DESIGN:

- 100-10,000 VA, POWER TRANSFORMERS, CUSTOMISED SPECIAL TRANSFORMER, STARTING TRANSFORMERS, TRANSDUCTORS
- REACTORS: FILTER CIRCUIT REACTORS, COMMUTATION REACTORS, SMOOTHING REACTORS

## TRANSFORMERS

# EVERYTHING PERFECTLY WOUND UP FOR YOU

**INDIVIDUAL WINDING MATERIALS IN A HUGE POWER SPECTRUM FROM 100 VA TO 10 MVA: THESE ARE THE SPECIALITIES OF J. SCHNEIDER.**

Thanks to their extensive know-how and wide-ranging experience, our specialists develop absolutely bespoke power supplies for your requirements. Whether transformers, transductors, reactors or voltage stabilisers, air, water or oil-insulated, whether individual winding goods or complex transformer systems – J. Schneider has made a name for itself in all of these fields and is regarded throughout Europe as a specialist for demanding key technologies such as traffic engineering, regenerative energies or electromobility.

In large-scale projects such as tunnel drilling machine beneath the Alps, suitably dimensioned J. Schneider transformers ensure a safe voltage just as reliably as in photovoltaic systems. We are just as much at home with small transformers in large numbers as with individual custom solutions up to 10 MVA and a voltage level up to 36 kV.

We supply precisely the voltage your applications need. Take our word for it.

Individually made by specialists, and each put to the acid test. This is the secret of J. Schneider quality, which has made us successful and gives you the security you expect.



# ALWAYS IN OPERATION: FOR SURE

WHEREVER A SAFE, EVEN AND CONSTANT POWER SUPPLY IS EXISTENTIAL, THAT'S WHERE UPS SYSTEMS FROM J. SCHNEIDER ARE IN GREAT DEMAND. ACROSS THE ENTIRE GLOBE.

”  
OUR UPS SYSTEMS  
GUARANTEE GREATER  
SAFETY IN MANY IMPORTANT  
FIELDS OF INDUSTRY.  
SOMETHING WE ARE HAPPY  
TO CHAMPION!

Whether variations in local power grids, the reduction of peak loads, a safe supply for critical technologies in industrial plants, data networks and telecommunications or the efficient storage of braking energy: uninterruptible power supplies from J. Schneider take care of sophisticated tasks and are in great demand internationally. The certification of J. Schneider UPS for safety-relevant areas by VdS confirms our high quality standards.

## THE LATEST TECHNOLOGY FOR SAFE POWER SUPPLIES

As a “Global Player” for UPS systems, we continue to advance this very responsible technology. We rely on ultracaps for short-term buffering. Our specialists are constantly coming up with better systems with batteries for longer bridging operations.

All of this so that we can cope with the challenge of a safe power supply in future too – even in local grids. This is how we secure the lifelines of an increasingly networked world.



We know how important our UPS systems are for your work. Which is why care is at the top of our list of priorities.





”  
**ABSOLUTELY  
 HIGH-TECH COATING  
 TECHNOLOGIES:  
 J. SCHNEIDER PLASMA  
 POWER SUPPLIES  
 MAKE THEM POSSIBLE!**

HIGH-VOLTAGE AND PLASMA POWER SUPPLIES

# UNBELIEVABLE ENERGY EXACTLY DOSED

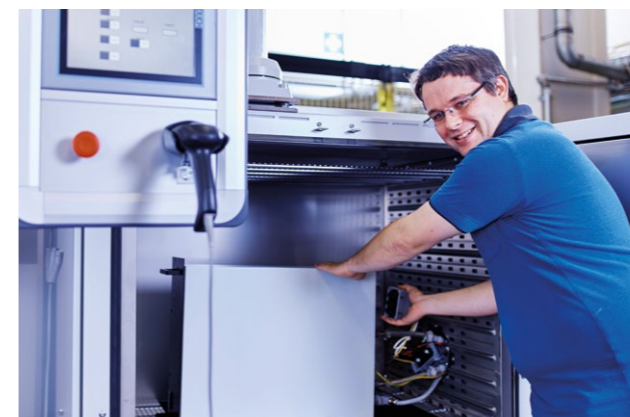
THE SAFE CONTROL OVER AND HIGHEST PRECISION IN HIGH VOLTAGES OPEN UP A WIDE FIELD OF MODERN APPLICATIONS. J. SCHNEIDER IS AT THE FORE IN THIS FIELD WITH ITS KNOW-HOW.

The high-voltage power supplies with patented arc current limitation have established the good reputation of J. Schneider's competence in this field. They have found their way into industry and research and are used in sputtering, electron beam evaporation, electron beam welding as well as in ion beam system, high-voltage plasmas, capacitor charging systems, glow discharge and to supply X-rays.

The controlled voltages allow more and more new, high-precision coating processes – from ophthalmic lenses to 3D special printers with plasma technology.

J. Schneider helps you realise your ideas as a customer from the very start. Our specialists plan, develop and produce the matching HV and plasma power supplies for your most innovative applications.

We bring the highest voltages straight to the point for you.



The precise control of the highest voltages for more and more new applications. This is what spurs us on!



## CONVINCING PERFORMANCE DATA

### HIGH-VOLTAGE POWER SUPPLIES

- POWER OUTPUT RANGE FROM 1 TO 120 KW WITH
- OUTPUT VOLTAGES FROM 150 TO 150,000 V DC

### PLASMA POWER SUPPLIES

- OUTPUT VOLTAGE RANGES FROM 400 TO 2,500 V
- AS DC DEVICES, DC PULSED OR BIPOLAR



# TO KEEP EVERYTHING TURNING IN YOUR COMPANY

ON SITE OR IN SERVICE CENTRE: J. SCHNEIDER KEEPS YOUR ELECTRICAL DRIVES RUNNING. ELECTRONIC, MECHANICAL AND CONTROL SYSTEMS – ALWAYS AT THEIR MOST EFFICIENT.

When the trams in Strasbourg run for 500,000 km without any faults, when all of the rides in a theme park run reliably and safely, or all electrical drives in a paper factory work perfectly, this has a lot to do with J. Schneider. We have been ensuring the reliable operation of electrical motors and drives in Baden-Württemberg, Germany, and Alsace, France, since 1939. In our own service centre in Offenburg, or with mobile, perfectly-equipped service teams on our customers' premises.

## OPTIMUM MAINTENANCE FOR A SMOOTH OPERATION

Preventive maintenance with exact measurements allows the early detection and prompt elimination of wear and tear as well as possible faults. Even before these lead to costly downtimes!

We take care of the complete management of your electric motors – including servo-motors – including the dismantling, maintenance and installation of the motors, checks of the control system and mechanical conversions. We supply you with the retrofit solution, from rectifier transformers to inverter-powered drive concepts.

Things simply run better with the J. Schneider service program.

Precision in every detail ensures greater efficiency and permanent safety in even large-scale drive systems.



WE CONSTANTLY GET THE BEST OUT OF YOUR MOTORS AND DRIVES WITH OUR PREVENTIVE MAINTENANCE.

## MORE SUCCESSFUL TOGETHER

IN WHICH OF THE FOUR PRODUCT AREAS OF J. SCHNEIDER ELEKTRO-TECHNIK DO YOU WANT TO BECOME MORE SUCCESSFUL WITH US:

- TRANSFORMERS
- UNINTERRUPTIBLE POWER SUPPLIES (UPS)
- HIGH-VOLTAGE AND PLASMA POWER SUPPLIES
- SERVICE CENTRE FOR ELECTRICAL DRIVES

J. Schneider Elektrotechnik has grown steadily but surely since 1939: from a small repair workshop into an industrial enterprise with more than 350 employees. A sound development based on our clear values: quality, responsibility and foresight combined with trusting and fair dealings with our partners.

### CONTINUED GROWTH WITH YOU

And we would like to continue growing together with you, helping you make your company more successful. We would be happy to place our experience and competence in the four service areas of J. Schneider at your disposal.

Lets talk about what we can achieve together.  
Give us a call: +49-781-206-0  
Or write to us at: [info@j-schneider.de](mailto:info@j-schneider.de)

We are looking forward to hearing from you.

Bettina Schneider  
General Manager/Shareholder

Rolf Anti  
General Manager

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RELY ON A STRONG  
PARTNERSHIP ON  
EQUAL TERMS.  
YOUR ADDED VALUE  
IS WHAT SPURS US ON!



**GET TO KNOW US PERSONALLY:**

**J. SCHNEIDER ELEKTROTECHNIK GMBH**

HELMHOLTZSTRASSE 13  
77652 OFFENBURG / GERMANY  
+49-781-206-0  
INFO@J-SCHNEIDER.DE  
**J-SCHNEIDER.DE**

