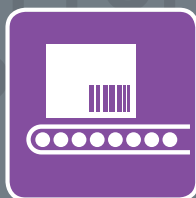


## Power .....





MORE

## Content

**4** About Deutronic

**6** Charging Technology

**12** Transportation

**18** Logistics

**24** Test & Automation

**30** DEUTRONICsystems

**34** + More



# Power electronics for



Charging Technology



Transportation



Logistics



Test & Automation



DEUTRONICsystems



+ MORE

The demands on today's electronics are various. Talk to us about it.

***We master your challenges.  
Your success is our drive.***

## Deutronic – Manufacturer of your Power electronics



***A very warm welcome to the world of Deutronic!***

**As a globally established partner to industry, Deutronic develops and manufactures intelligent power electronics and test systems of the highest quality.**

The particular strength of the owner-managed family business lies in the realization of application-specific special devices and customized solutions also for smaller quantities.

Deutronic was founded in 1983 in Adlkofen near Landshut / Lower Bavaria. Now in its second generation, the family-run company is 100 %

family-owned. True to the company motto "Power + More", Deutronic offers its customers innovative complete solutions with added value.

Other Deutronic locations are in the Czech Republic (Cicenice), the USA (Spartanburg) and in China (Shenzhen).

A qualified, worldwide service network takes care of maintenance, repair, exchange of products, of the delivery of spare parts as well as of the commissioning of systems.

Of course, we are available to you at any time. Please feel free to contact us regarding customized individual solutions.







## *We charge you up!*

Modern vehicles include multiple electrical and electronical components. Many onboard networks possess more than 100 control devices that must be powered.

These highly complex and sensitive onboard networks, combined with high currents, have a wide range of requirements for charging technology to meet.

As technology and market leader in automotive charging technology, Deutronic is the manufacturer worldwide who masters this demanding task even under adverse circumstances, e.g. in vehicle production.

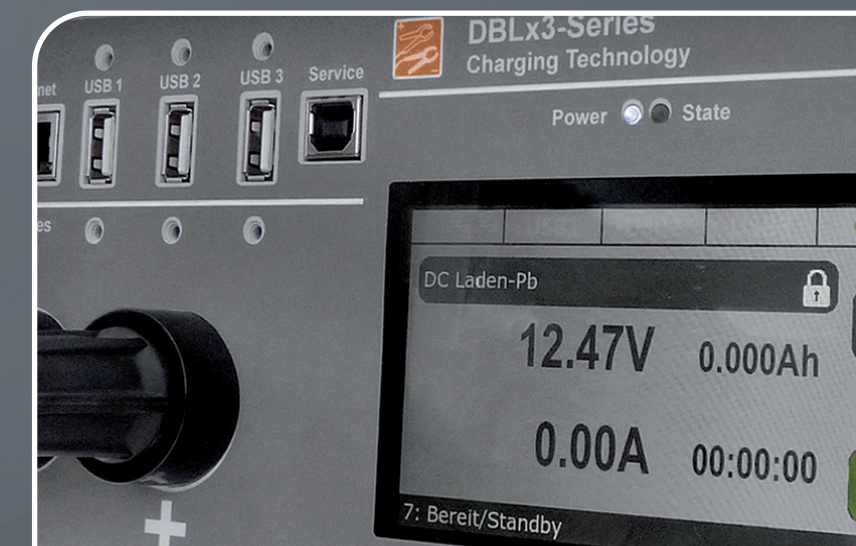
Hardware and software are optimally and individually adjusted to the respective application and guarantee highest security and reliability.

Deutronic charging computers have proven their worth a thousand times and thus have been in use by leading OEMs worldwide for decades.

An absolute interconnectivity with our "DC-Connect" offers a multitude of possibilities: From real time monitoring or remote control to the downstream analysis and processing of all saved data. This means that the applications are almost limitless.

## **Deutronic Charging Technology**

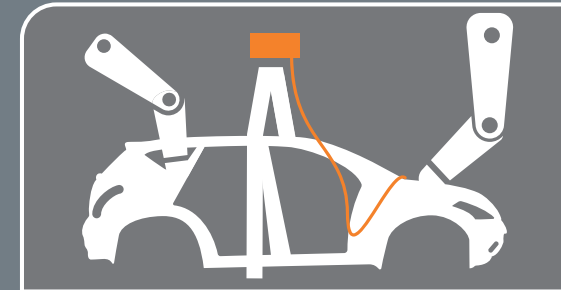
is used by leading OEMs worldwide in production, workshops and showrooms.





## Applications:

*Assembly line, Final assembly, Workshop, Showroom, Trickle charging*



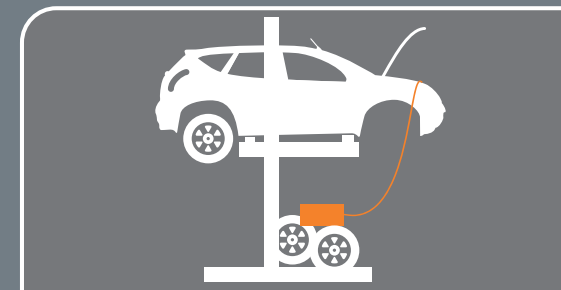
### **Assembly line**

Our robust and powerful charging computers are concepted and developed specifically for the needs and processes in automotive assembly. Even in the early production phase, the on-board network is supplied reliably and powerfully without a battery.



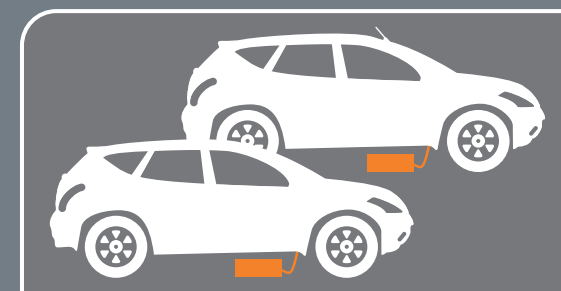
### **Final assembly**

In the final assembly our charging computers guarantee fully charged batteries and 100 % safety for employees and on-board electronics.



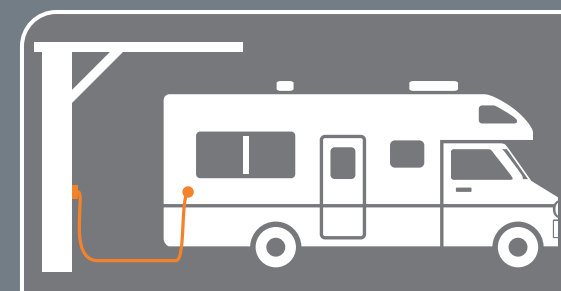
### **Workshop**

We provide a wide product range, which is ergonomically and technologically specifically designed for the harsh conditions in the workshop. Our powerful, robust and durable products make us the preferred choice of professionals worldwide.



### **Showroom**

Our battery charging computers for showrooms are discretely placed under the vehicle and enable the permanent use of light and entertainment systems for demonstration purposes.



### **Trickle charging**

The Batteries of cars, boats, campers and motor-cycles often need special attention and care because of long standing times or hibernation. In this area, Deutronic also sets standards for gentle, adaptive charging processes as well as automatic detection of different battery chemistries.





## SmartCharger



Battery charger for workshop and showroom

## DBL



Multifunctional battery chargers

## DBL-B-Version



Support during diagnosis / flash programming

## D-IBM2900



Energy buffer system for DBL battery chargers

More products and further information about **Deutronic Charging Technology** can be found on our homepage

[www.deutronic.com](http://www.deutronic.com)

Talk to our experts by phone or make an appointment on site. We will be happy to help you.

You can reach us at

Tel No: +49 8707 920-0

Email: [sales@deutronic.com](mailto:sales@deutronic.com)

**Deutronic Charging Technology**  
Extract from our product range





## ***Be excited!***

With electrified vehicles, electronic components like high-voltage energy storages, electro motors etc. play an important role. The use of different on-board voltages depending on the grade of electrification of the application and the constantly rising power requirements increase the complexity of the application.

As a partner with tens of years of experience and competence, Deutronic offers a wide spectrum of DC/DC converters for different applications.

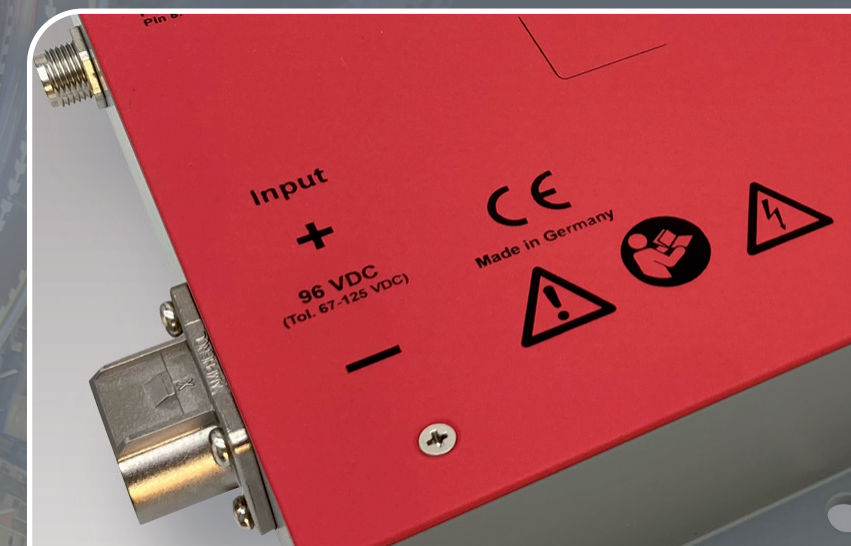
Our latest generation of DC/DC converters features an innovative

and compact design combined with high power density. The converters are controllable via CAN and individually applicable to the communication protocol of the customer's application.

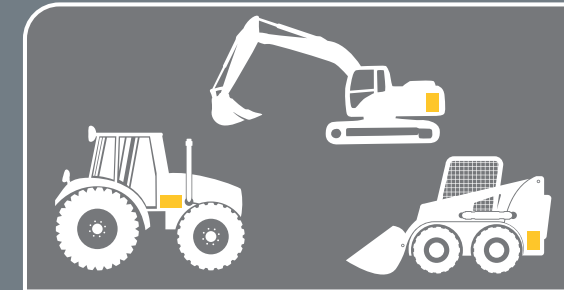
All galvanically isolated and not isolated converters are very robust and perfectly protected against rough environmental influences like vibration, shock, high temperature differences, humidity and aggressive atmosphere.

Due to our in-house production, customer-specific changes are possible even for small series.

**Deutronic Transportation** offers a wide spectrum of DC/DC converters for the use in harsh environments, electro and hybrid vehicles.

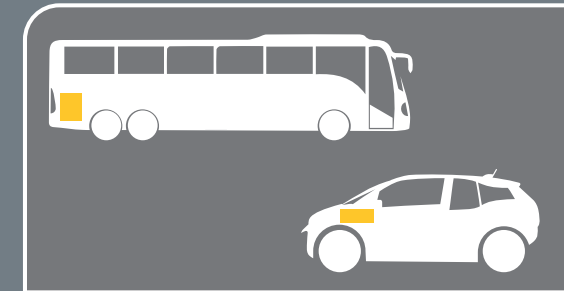






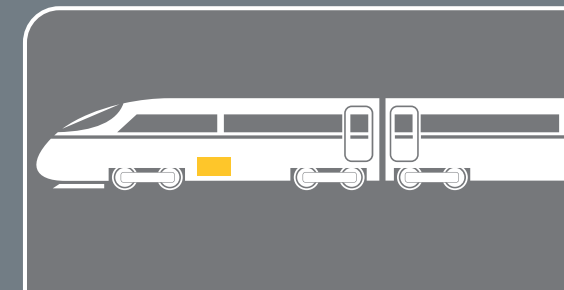
## ***Mobile working machines***

Our powerful DC/DC converters are used in different construction machines and agricultural vehicles of different kinds, also in the e-versions.



## ***Electro and hybrid vehicles***

For hybrid and electro vehicles electronic components, e.g. HV energy storages, e-machines etc. are significant. Our DVCH converters meet the requirements occurring in a vehicle and also impress with extremely small construction volumes and high efficiency.



## ***Railway***

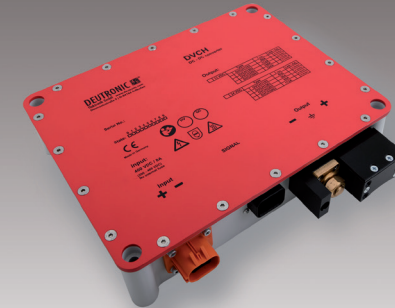
In the highly specialized railway sector, we are able to meet the high requirements and provide the fitting DC/DC converter for our customers.

### ***Applications:***

***Mobile working machines, Electro- and hybrid vehicles, Railway***



## DVCH



High-voltage DC/DC converter for hybrid and electric vehicles

## DVC



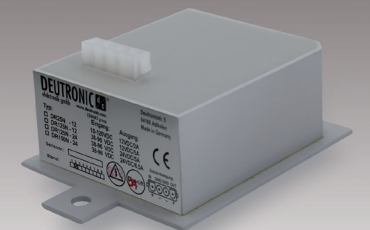
Converter for vehicles with planar technology

## DVC-Standard



Standard converter for vehicles, versatile applicable (different versions)

## DR



DC/DC converter, galvanically non-separated

More products and further information about **Deutronic Transportation** can be found on our homepage

[www.deutronic.com](http://www.deutronic.com)

Talk to our experts by phone or make an appointment on site. We will be happy to help you.

You can reach us at

Tel No: +49 8707 920-0

Email: [sales@deutronic.com](mailto:sales@deutronic.com)

**Deutronic Transportation**  
Extract from our product range





## *We keep you running!*

Automated intralogistical system cannot afford standing times. Our robust industry power supplies provide highest reliability even under harshest operating conditions. We provide the fitting solution for your system.

The latest generation of our DC/DC converters for e-mobility – also in fuel cell applications – enables a high power density and current carrying capacity with a very flat design using planar components.

All converters and industry-grade power supplies are very robust and perfectly protected against rough environmental influences like vibration, shock, high temperature differences, humidity and aggressive atmosphere.

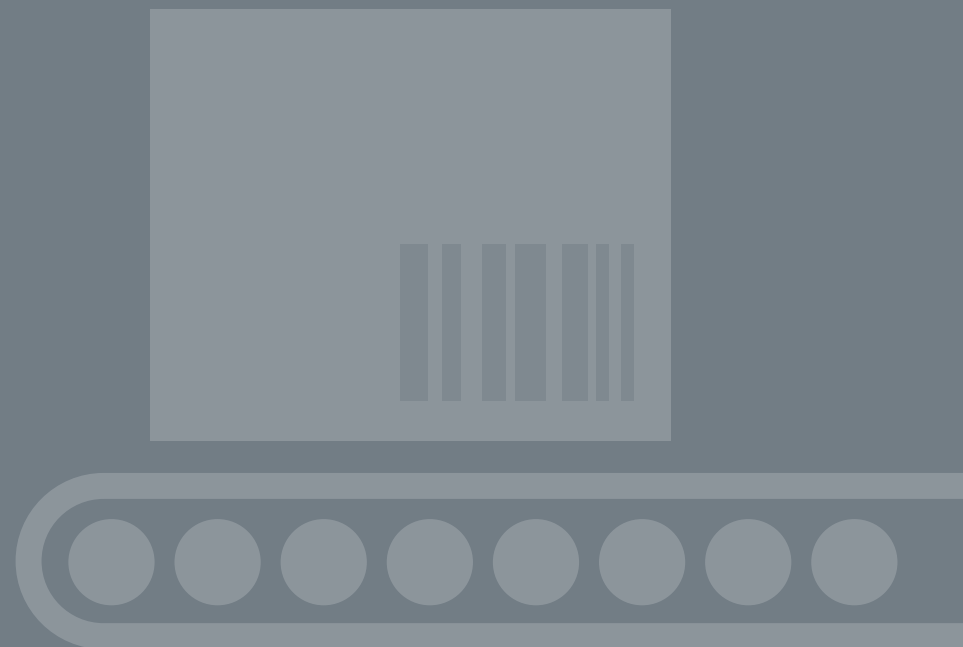
Due to our in-house production, customer-specific changes are possible even for small series.

Our controllable power supplies for DIN rail or 19" installation complete our product portfolio.

**Deutronic Logistics** keeps your conveyor belts and industrial trucks running. We also offer power supplies for switch cabinet use (19" or DIN rail).







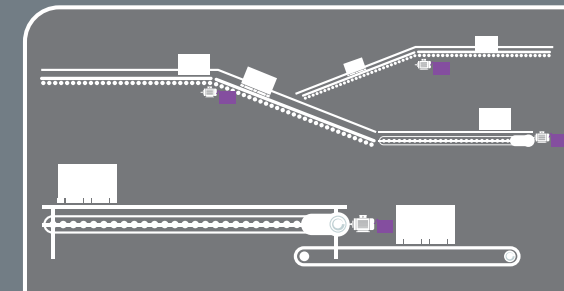
## Applications:

*Industrial vehicles, Intralogistics,  
Switch cabinet and DIN rail*



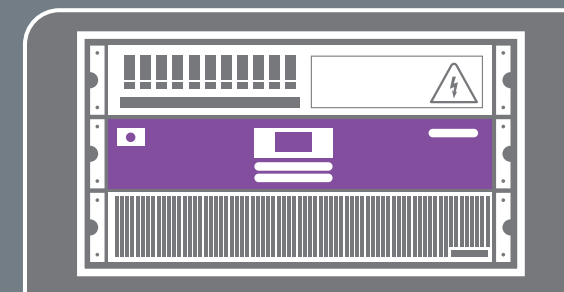
## **Industrial vehicles**

For all types of industrial vehicles – including electro vehicles – we provide the fitting DC/DC converter.



## **Intralogistics**

Automated intralogistic plants cannot afford off-times. Our robust industry power supplies provide 100% reliability even under the harshest environmental conditions.



## **Switch cabinet and DIN rail**

We provide suitable power supplies for rack mounting and DIN rail.

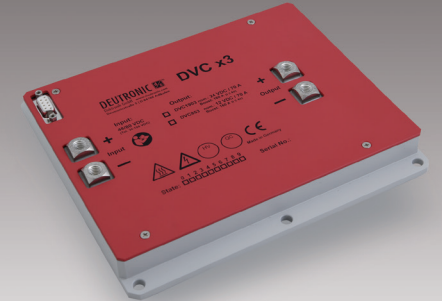


## Power supply IP



Power supply for use in rough environments

## Converter for vehicles



DC/DC converter for hybrid and e-vehicles

## Controllable power supply



DIN rail power supply

More products and further information about **Deutronic Logistics** can be found on our homepage

[www.deutronic.com](http://www.deutronic.com)

Talk to our experts by phone or make an appointment on site. We will be happy to help you.

You can reach us at

Tel No: +49 8707 920-0

Email: [sales@deutronic.com](mailto:sales@deutronic.com)

**Deutronic Logistics**  
Extract from our product range





## Test & Automation

### *Test us!*

Deutronic test systems combine individual, modular component assembly with the flexibility of our software solution DTS which can be used for all purposes. The result of this symbiosis are application-specifically designed test systems.

Part of the basic frame for the overall concept are determined by the type of the product to be tested as well as the degree of automation. This process ensures the electrical and physical safety and function of the

products according to norms and requirements.

Deutronic test systems can be designed for any possible purpose thanks to their individual, modular setup.

Test systems for testing electric motors, transformers, power supplies, batteries, fuses, switches, plugs, sensors, lights and lamps, lines and cables, white goods, entertainment electronics, train couplings, mechanical relays, semi-conductor relays, magnetic valves, medical devices, etc.

### **Deutronic Test & Automation**

Customized test and inspection systems according to your specifications

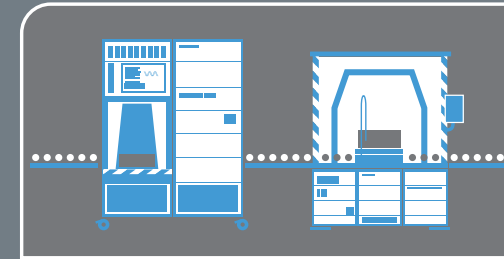




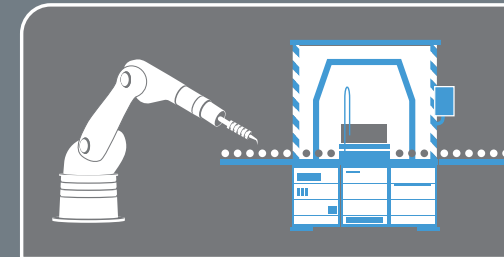


## Applications:

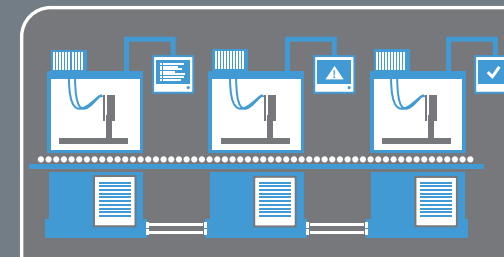
Manual, semi-automatic and automatic testing for automotive, industry and railway applications



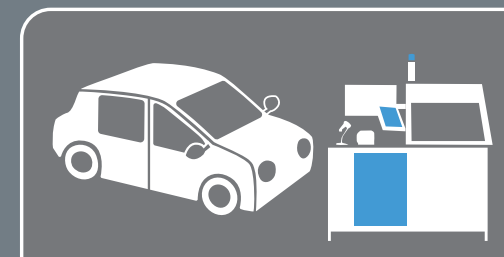
**Manual testing**



**Semi-automatic testing**

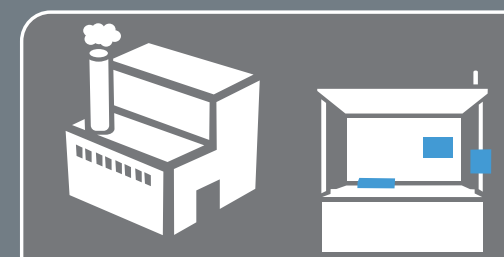


**Automatic testing**



**For automotive**

e.g. for electro motors, stators and rotors, batteries



**For industry**

e.g. for fuses, switches, connectors, sensors, lights, cables and wires, home electronics, entertainment electronics, medical devices, transformers, power supplies



**For railway applications**

e.g. for rail couplings, mechanical relays, semiconductor relays, magnetic valves





Fully automated test systems for the electric mobility



Laboratory testing station for stators



Drum motor test system



Highly flexible and easy to use Deutronic DTS test software

**Deutronic Test & Automation**  
Extract from our product range

More products and further information about **Deutronic Test & Automation** can be found on our homepage [www.deutronic.com](http://www.deutronic.com)

Talk to our experts by phone or make an appointment on site. We will be happy to help you.

You can reach us at

Tel No: +49 8707 920-0

Email: [sales@deutronic.com](mailto:sales@deutronic.com)



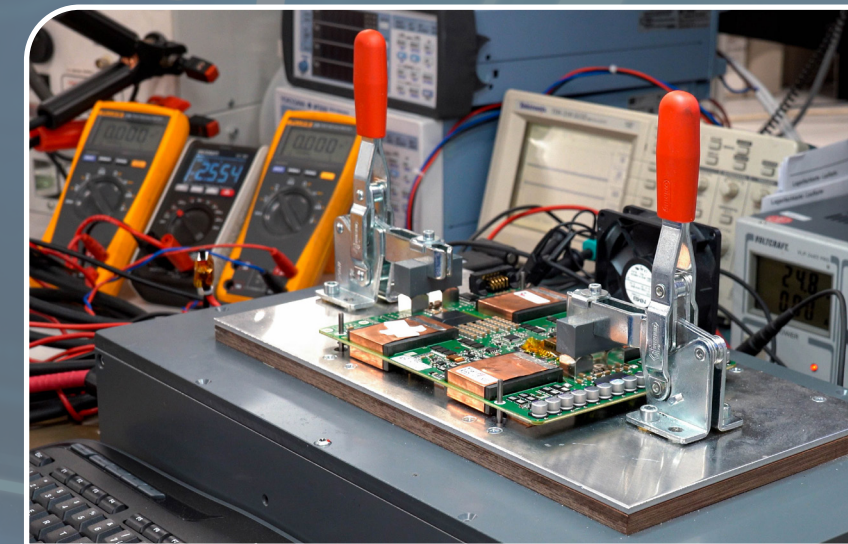


## *Tailor-made for the customer!*

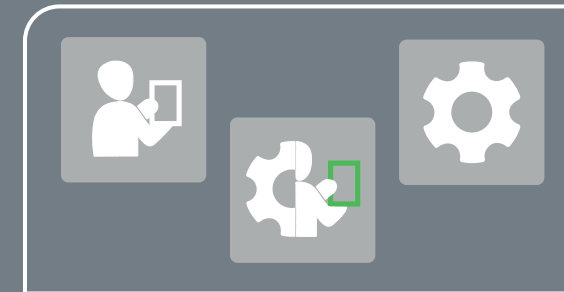
With our knowledge in software, hardware, electronics and PCB technology as well as component assembly with all product specific tests and documentation, we are development, production and service partner for well-known OEM producers and suppliers of components.

With our experienced and highly motivated staff we develop customer-specific PCBs in THT/SMD technology, electronic assembly groups, mechatronic components as well as devices and systems.

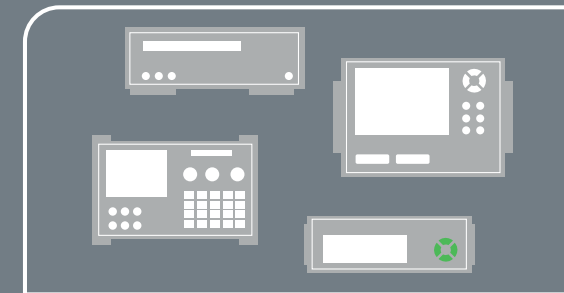
# NEW PRODUCT



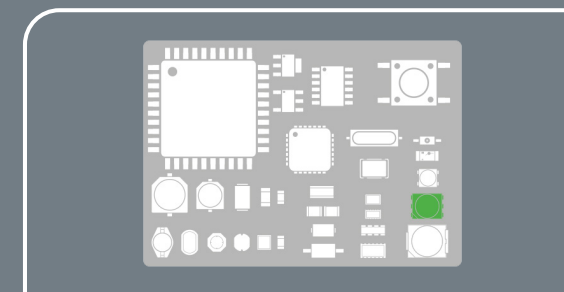




*R&D / construction*



*Mechanical / mechatronic complete system*



*SMD production*

More products and further information about **DEUTRONICsystems** can be found on our homepage

[www.deutronic.com](http://www.deutronic.com)

Talk to our experts by phone or make an appointment on site. We will be happy to help you.

You can reach us at

Tel No: +49 8707 920-0

Email: [sales@deutronic.com](mailto:sales@deutronic.com)

## **Applications:**

***R&D / construction, mechanical / mechatronic complete system, SMD production***



As an EDWANZ group company, we offer all the advantages of our company group.

- ✓ Wide service portfolio
- ✓ Flexible capacities for development and production
- ✓ Worldwide service



***Specialized in intelligent power electronic systems***

Battery charging systems | DC/DC converter | Power supplies  
Test and measurement systems | Motor controller



***Specialized in electromechanical systems***

Vending machines & terminals | Metal housings & assemblies  
Components for medical engineering & telecommunication  
Inductive components

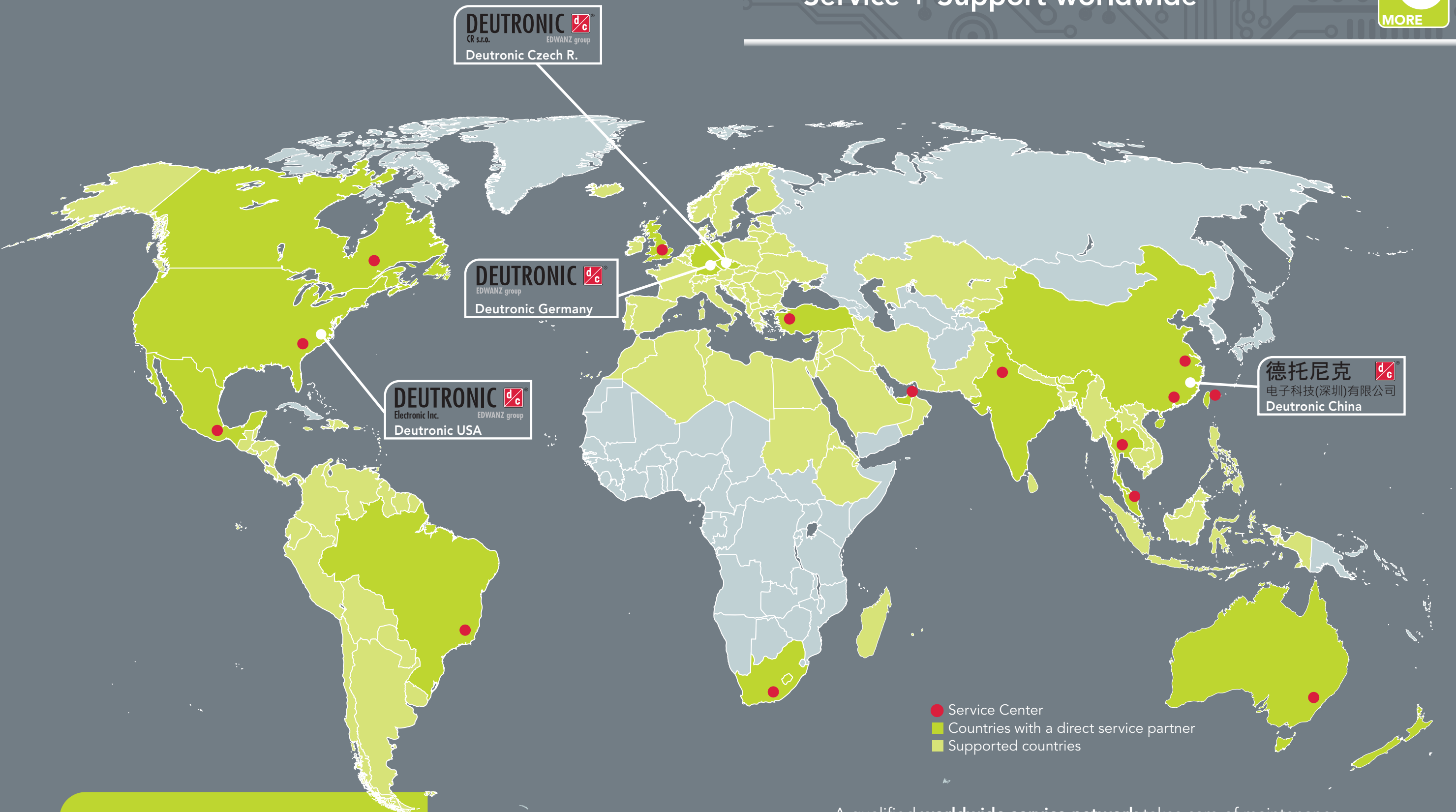


***Specialized in development and integration of electronic systems***

ECU software | Development tools for the automotive industry  
Measurement technologies for ADAS | Mobile automation  
Embedded systems

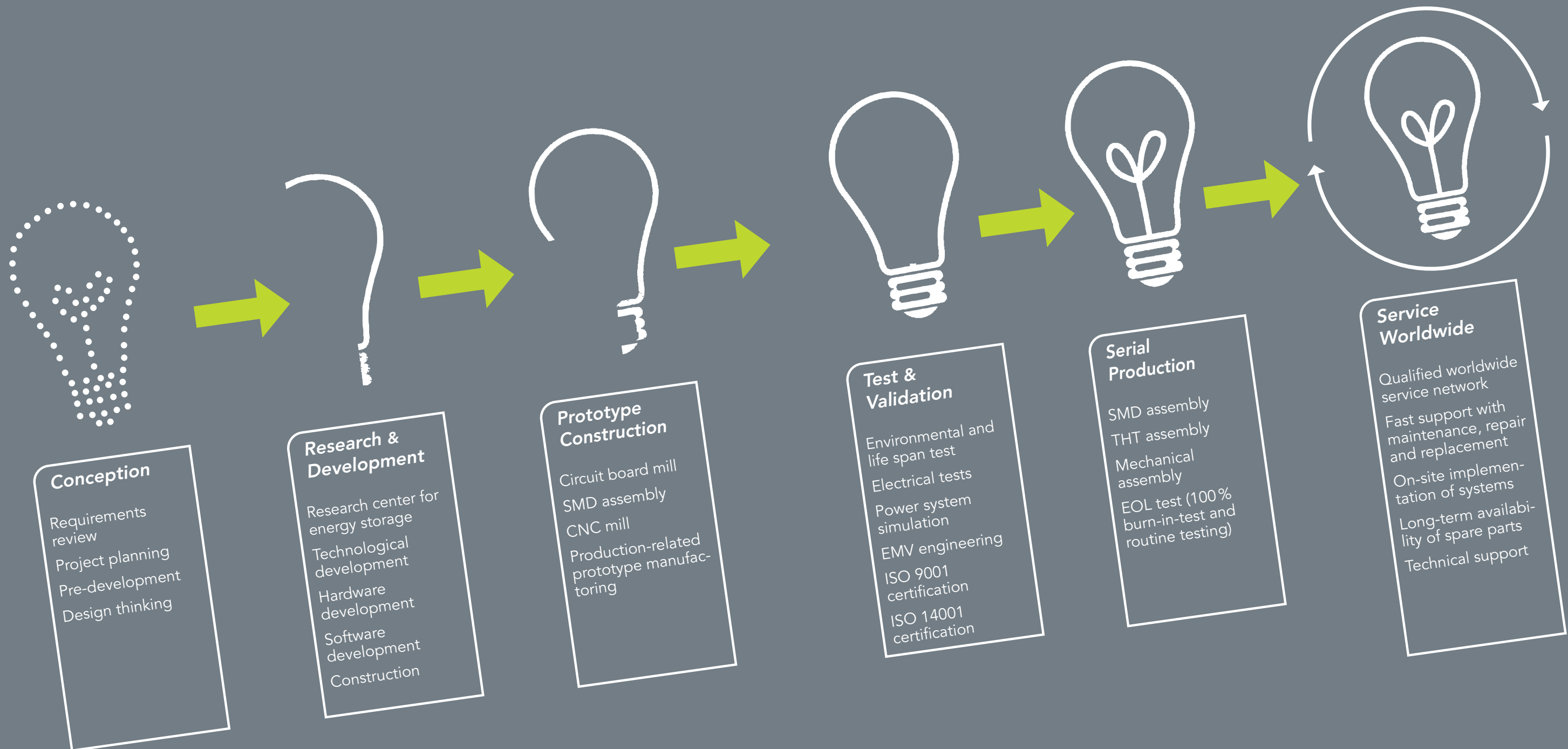
Flexible capacities for development and production through the **EDWANZ group company**



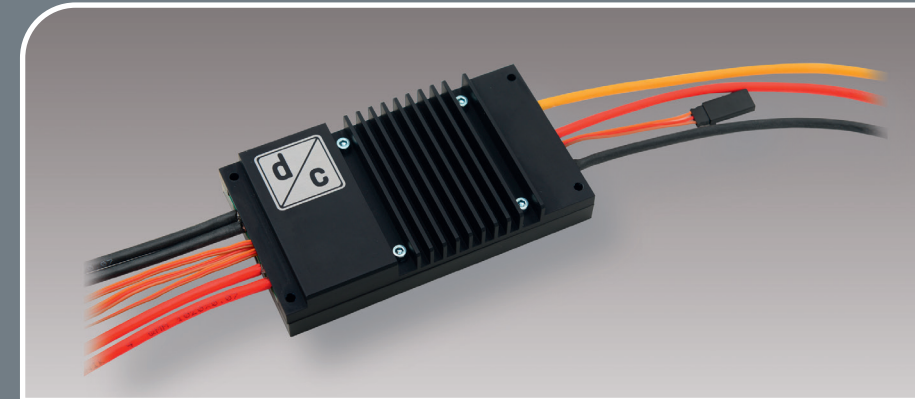


**Service + Support worldwide** guarantee the best possible and quick service processing for customers.

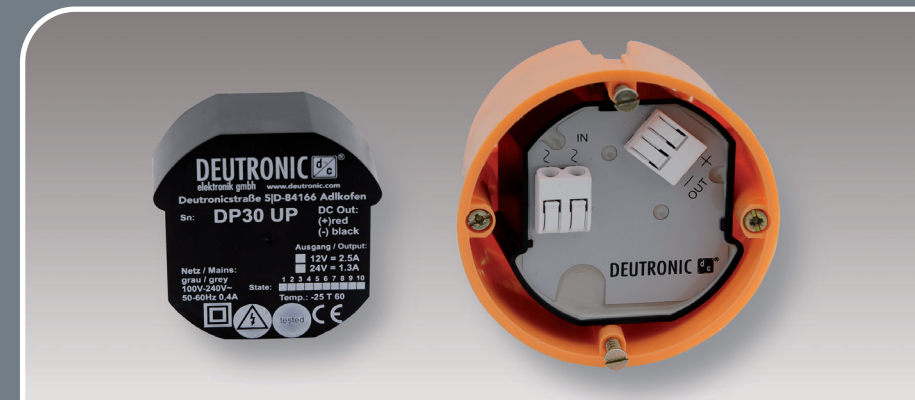
A qualified **worldwide service network** takes care of maintenance, repair, replacement of products, supply of spare parts and commissioning of systems.



**Everything from a single Source.** In-house production to series. Added value for the customer.



The Motor controllers are state-of-the-art sinusoidal commuted speed controllers. The engine current is regulated to a sine wave to guarantee an optimal and highly efficient activation of the engine with this commutation principle.



In the field of building automation Deutronic offers compact and high-performance power supplies with extremely low standby current consumption and innovative solutions for energy storage technology.

Further individual product solutions are possible

Talk to our experts by phone  
or make an appointment on site.  
We will be happy to help you.

You can reach us at

Tel No: +49 8707 920-0

Email: [sales@deutronic.com](mailto:sales@deutronic.com)

**Individual product solutions –**  
Everything is possible



### **Contact**

Deutronic Elektronik GmbH  
Deutronicstraße 5  
D-84166 Adlkofen/Germany  
Tel.: +49 8707 920-0  
email: [sales@deutronic.com](mailto:sales@deutronic.com)  
[www.deutronic.com](http://www.deutronic.com)

### **Imprint**

Managing directors: Christian Wanzke, Thomas Wanzke  
USt-IdNr.: DE 128 947 951  
WEEE-Reg.-Nr. DE 13739201  
Commercial Register: HRB Nr. 1837  
Court of jurisdiction: Landshut / Germany

