

A full-page photograph of an electrical worker in profile, facing right. He is wearing a white hard hat with a red chin strap, a clear face shield, and a tan and black protective suit with yellow reflective stripes. He is holding a long yellow tool vertically. The background shows a complex electrical substation with various insulators and metal structures under a grey sky.

**DEHN**

**We know.  
We care.**

## Protect your employees

Safe work on electrical installations

# Safe work on electrical installations

Do your employees enjoy the best possible protection?

## We know.

The implementation of the legal protection goals when working in electrical installations is a challenge for every company. Take advantage of our experience.

## No doubt about it:

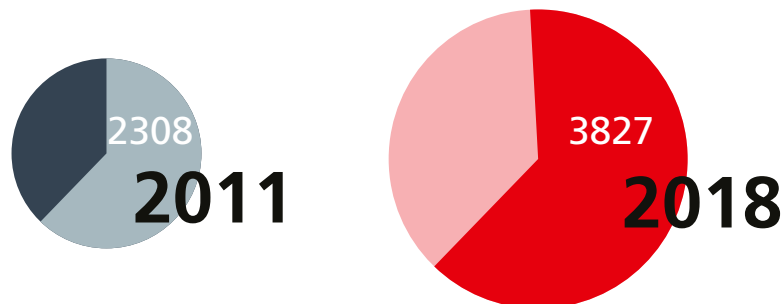
As an employer, you must take appropriate precautions to ensure the safety of your employees. These obligations stem from the German Occupational Health and Safety Act (ArbSchG).

But how does that work in practice? It is often the very simple things that lead to accidents.

Are the 5 safety rules consistently observed? Are suitable safety devices used?

Is reliable protective equipment worn?

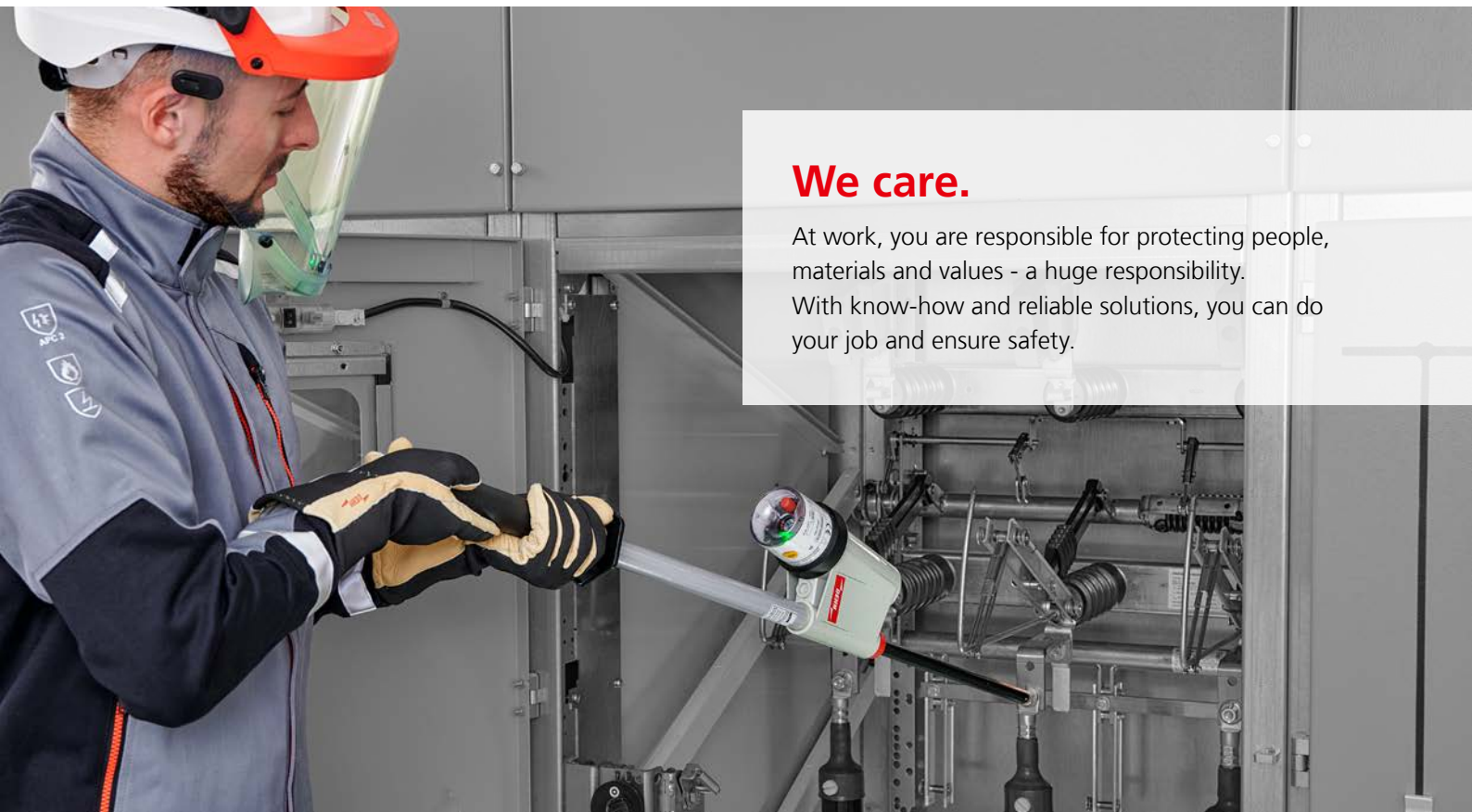
**Make sure your employees get through the working day unharmed.**



Statistics on reported electrical accidents  
Data from the accident register of the BG ETEM (status 2019)

# Perfectly protected with DEHN

Products, services, know-how



## We care.

At work, you are responsible for protecting people, materials and values - a huge responsibility.

With know-how and reliable solutions, you can do your job and ensure safety.

## We are here for you

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We understand the daily challenges of your day-to-day work and are committed to developing perfectly coordinated products for you.

The competent colleagues at DEHN will provide you with technical support – they have the answers to your questions. With well-founded, practical training you will be able to master your tasks even better in the future.

This also includes keeping you up to date on new standards and laws.

DEHN guarantees your company:

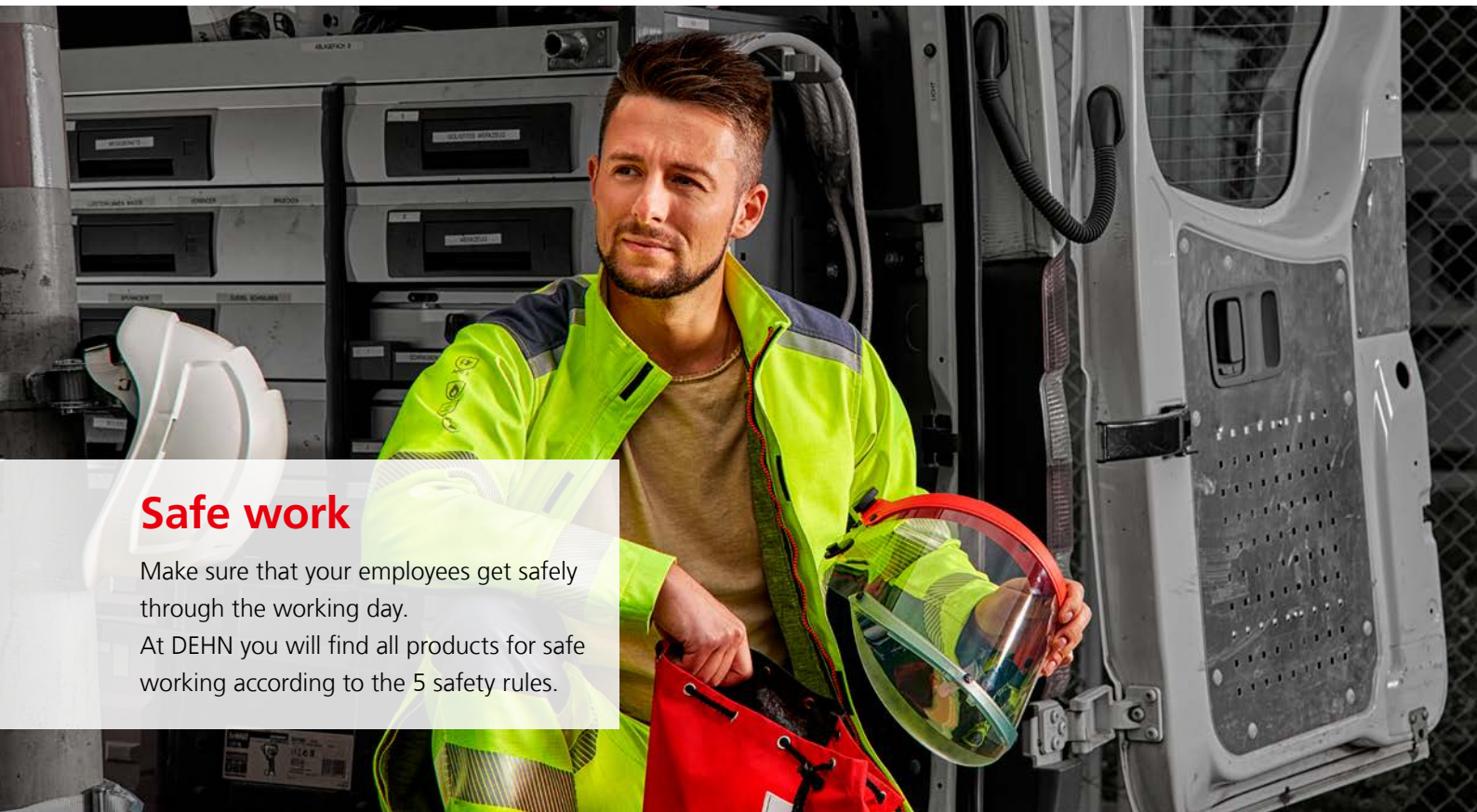
- Safe work on electrical installations
- Protection against arc faults
- Protection against electric shock

The requirements can be found in this standard:



# Your decision for safety

All from a single source



## Safe work

Make sure that your employees get safely through the working day.

At DEHN you will find all products for safe working according to the 5 safety rules.

## Caution liability

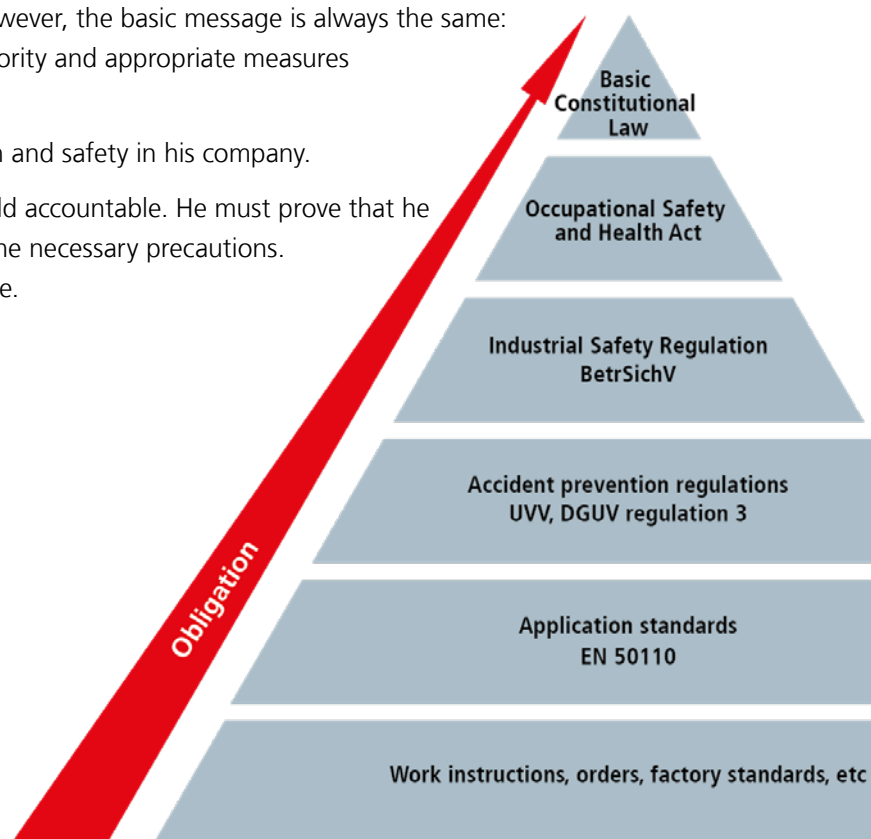
The regulations and legal norms are manifold. However, the basic message is always the same: The protection of life and limb has the highest priority and appropriate measures must be taken to meet this protection objective.

Every employer has overall responsibility for health and safety in his company.

If an accident occurs, the person responsible is held accountable. He must prove that he has exploited all the available options and taken the necessary precautions.

However, it shouldn't come to this in the first place.

**So, act now before it's too late.**



# Dressed right?

Protection for the employee –  
security for the person in charge



## Tested and certified

With the protective clothing certified according to the PPE Regulation (EU) 2016/425, you fulfil your responsibilities and provide your employees with tested protective clothing.

## Personal protective equipment

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### Comfortable to wear – totally safe

Personal protective equipment against arc faults protects your employees when working on electrical installations. Alongside reliable protective properties, wearing comfort plays a decisive role.

What good is the best equipment if it is not worn properly?

Unsuitable, clumsy or poorly fitting protective clothing which restricts freedom of movement or obstructs visibility poses a potential accident hazard. Comfort is not just nice for the employee, it makes a very important contribution to accident prevention.

Go to PPE:  
<http://de.hn/aa19afc>



**The 5 safety rules**  
as life insurance

# Perfectly protected with DEHN

## Suitable products for keeping the 5 safety rules

### 1. Disconnect

Completely disconnect the installation before starting work with the help of a switching stick or fuse tongs.



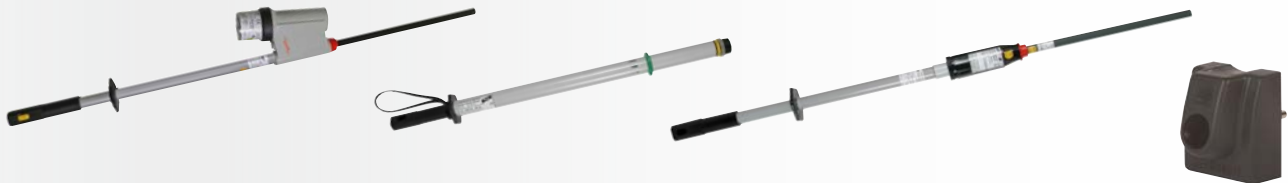
### 2. Secure against re-connection

Prevent accidental reconnection of the installation using lock-out devices and warning symbols.



### 3. Check the installation is dead

Use a voltage detector to double check the absence of operating voltage.



### 4. Earth and short-circuit

Use individually configured EaS devices to earth and short-circuit the installation.



### 5. Cover or shield adjacent live parts

Insulating protective shutters made for the specific installation prevent inadvertent contact with the danger zone.



Find more products:  
<http://de.hn/5rules>

# How old are your new safety devices really?

We only bought them a couple of years ago, didn't we?

## Earthing and short-circuiting devices (EaS)

- Are the necessary markings there and clearly legible?
- Is the cable sheath transparent and undamaged (not cracked)?
- Are your devices free of signs of corrosion (strong black discoloration of the copper cable)?
- Is the insulation complete and visibly intact?

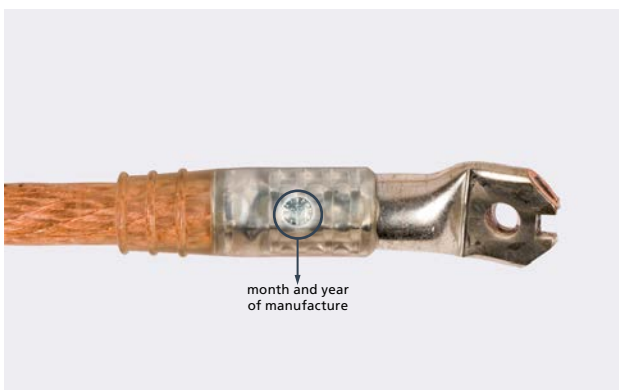
## Voltage detectors

- Is the hand guard and red ring there and firmly mounted?
- Are all necessary markings there and complete?
- Does the self-testing element still work?
- When was the last maintenance test?

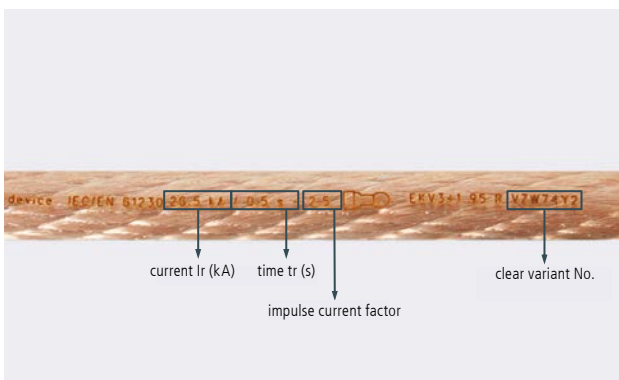
### Characteristics of high quality EaS:



Node unit states the cable cross section



Cable lug states the month and year of manufacture



Required markings on the EaS device (see laser engraving)

### Characteristics of reliable voltage detectors:



Safe right up to the self-testable test prod



Visual and additional acoustic indication



Quick and easy extension using the DEHN plug-in coupling

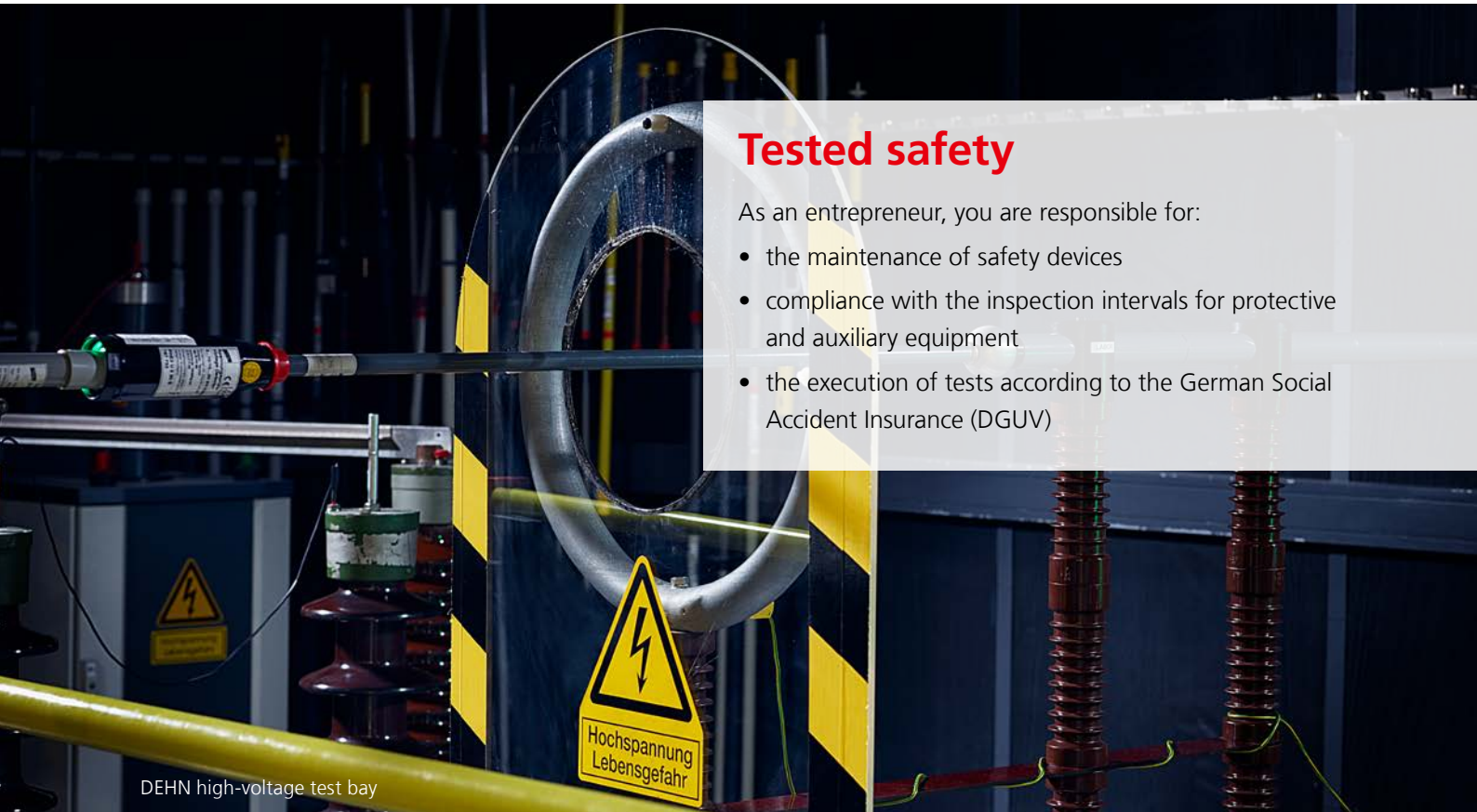




How it's done: testing EaS  
<http://de.hn/aa-partners>

# What we do for you

Testing, seminars, workshops, support, services



DEHN high-voltage test bay

## Tested safety

As an entrepreneur, you are responsible for:

- the maintenance of safety devices
- compliance with the inspection intervals for protective and auxiliary equipment
- the execution of tests according to the German Social Accident Insurance (DGUV)

## Periodic inspection: DEHN offers you support

- We test your safety devices (e.g. EaS, voltage detectors, insulating sticks, fuse tongs) regularly in our high-voltage test-field according to the recognised rules of technology
- For documentation purposes, your device receives a label and a test report.



## Reminder service for the periodic inspection- a timely reminder

- Register your devices with the reminder service, regardless of the manufacturer, so that you always get a written reminder of upcoming tests. You can set the test intervals yourself.
- Practical: as a DEHN customer you will be reminded automatically.

Go to reminder service:  
<http://de.hn/inspections>

## Testing your EaS – visibly safe

- A daily visual inspection of the EaS device is not enough.
- Deficits such as broken strands, connection problems and corrosion of the cable cannot always be seen.
- A proven measuring method detects hidden defects and delivers reproducible measuring results.
- Time-saving and practical: the test can also be carried out on your premises.

Contact us:  
[technik.support@dehn.de](mailto:technik.support@dehn.de)



## Live working service

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Make use of our trained personnel and equipment and have your electrical system cleaned for you while it is still live. This increases the availability of your system.

Contact us:  
<http://de.hn/aa-partners>

## Custom-made EaS and insulating protective shutters

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- **Insulating protective shutters:** We are more than happy to measure out and install protective shutters for your system up to 36 kV.
- **EaS:** Put together your earthing and short-circuiting device quickly, easily and safely: online using the new EaS configurator.

Enquire about protective shutters:  
<http://de.hn/aa-partners>

Configure EaS here:  
<http://de.hn/aa19eas>

## Compact seminar: well-informed employees ensure greater safety

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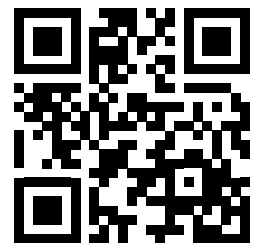
- What is important when applying the 5 safety rules in low- and high-voltage installations?
- What are the current application and device standards?
- How does the handling and assessment of safety devices and safety equipment work in practice?

Enquire about seminars:  
<http://de.hn/aa-partners>

Surge Protection  
Lightning Protection  
Safety Equipment  
DEHN protects.

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