We protect hightech.

caleg / group
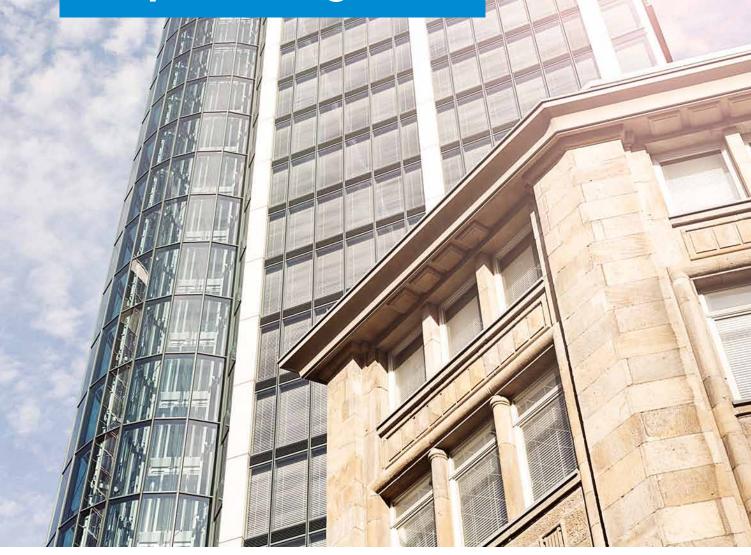
19-inch customized rack for CLOUD&HEAT

We protect hightech – even when it comes to your cloud

You may not be aware of it, but the data you store in the cloud consumes energy – with every click you make. With the waste heat from millions of click you could even air condition a high-rise building such as the Eurotheum, the former headquarters of the ECB. CLOUD&HEAT now operates a green computer center there. The power generation and server parks are protected by several dozen semi-custom racks from the caleg-group. Based on the industry-standard 340 rack series, the racks were customized according to customer requirements with acoustic insulation, protection class IP 54 and a special ventilation dome. Thus, we protect your plant's safety, the environment and help you save energy.

Your one-stop supplier for hightech protection

The caleg-group is the specialist when it comes to keeping your electronics safe from harmful environmental influences.

Our **enclosures** and **cabinets** protect against:
• mechanical stress
• environmental factors (water, dust or sunlight)
• electromagnetic compatibility (EMC)

Our **cabling** and **test procedures** protect against:
• electrical faults

Our **cooling** and **heating solutions** protect against:
• overheating
• undercooling

We are your one-stop shop for this type of comprehensive protection and guarantee that your components will work together perfectly. Every product we produce is an individual solution tailored to the unique requirements of our customers.

Keeping your customers safe

The protection of your electronic components is important, but the safety of the people using it every day is even more important. Because with all our know-how about design and production and the standards associated with it, the safety of your customers has top priority.

Since we not only manufacture but also design enclosure solutions, we can take the user-friendliness of your systems into account and implement it in our designs.

Thus, we protect your customers and make working with your hightech equipment a pleasant experience.
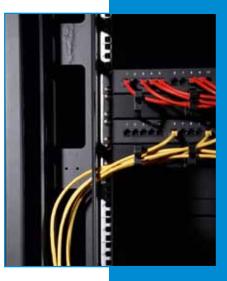
From serial rack to customized solutions

19-inch racks - straight from the manufacturer
Despite serial production, you can choose from over 200 variations of our 19-inch standard racks. And all this at a perfect price-performance ratio.

Our network and server cabinets are equipped with product features that make installation and working with the racks easier, such as removable side panels for easy access, clever cable management or an optional ventilation unit. The cabinets are modular and thus, ideal for use in server centers.

Our 19" systems are used, for example, for the installation of voice alarm systems in accordance with EN 54-16, as sound-proof equipment cabinets for studio technology in television and radio stations, in racing measurement technology or in satellite communication.

19-inch rack configurator – with 3 simple steps to your custom cabinet
With our online configurator you can put together your customized network or server cabinet at any time, day or night. Select one of 54 different basic racks, which you can then equip with the doors, side panels and accessories you need, depending on the type of use. The integrated plausibility check ensures that you always receive the right component for your configuration. The result is a complete offer containing all components, accessories, the scope of delivery, article numbers and list prices. With just one click our sales department will immediately send you your individual conditions.

Your requirements and ideas go beyond serial production? Together with our design department, we can develop your cabinet exactly to your specifications: whether it's an individual color scheme or configuration, services such as pre-assembly for standard fittings or additional components – the options are infinite.

Save time and money with the right accessories
The caleg-group offers a wide range of accessories for every 19-inch cabinet series. Whether pull-out or fixed shelves, pre-wired active ventilation units, cable routing systems, deep wall mount frames, socket strips or keyboard drawers - you will find the accessories that fit your requirements. And all from a single source.

Our practical accessories make installation easier and shorten installation times. A prime example is our pre-assembled fan module for heat dissipation. It consists of a fan plate with up to four fans, a thermostat and a switching unit. The module is completely pre-wired and mounted under the roof of a cabinet at the factory so that is it ready to be connected.

The caleg-group Plants

Calau ⊚⊚ Lubsko
Saarbrücken ⊚

The **Calau plant** is caleg-group's flagship plant, as well as its headquarters and has a production area of over 15,000 m².

The **Saarbrücken plant** has a production area of 7,000 m². This is where the caleg-group produces its custom-made 19-inch racks and plastics.

The 4,000 m² **Lubsko plant** specializes in metalworking and cable assembly.

In 2016/2017, the Calau site was enlarged to include a new hall with state-of-the-art painting and powder technology. At the same time, the machinery at the two other plants was harmonized and brought up to the same standard. The group's investments in these improvements exceeded 7.5 million Euro.

Companies belonging to the caleg-group

The **caleg Schrank und Gehäusebau GmbH** is the "manufacturer" of the caleg-group. They produce and develop highly individual enclosure and cabinet solutions in stainless steel, steel sheet, aluminum and plastic.

The **cam GmbH** is the "service provider" of the caleg-group and is responsible for assembly, component assembly and wiring work. A further core competency is the development and installation of enclosure air conditioning and ventilation.

More than 400 caleg-group employees are currently shaping the future on a production area of 26,000 m² with state-of-the-art equipment: from the development of customized enclosures and enclosure solutions to a wide variety of cabinet solutions, wiring and component assembly.

The caleg-group is represented by sales offices in: France, Switzerland, the Netherlands, Austria and Sweden.

Facts and Figures

Punching and laser cutting
1 x Trumpf TruMatic 3000
1 x Trumpf TruMatic 5000 FMC
2 x Trumpf TruMatic 6000 FMC
3 x Trumpf TruMatic 7000 FMC

With a fully automatic sheet storage system.

We process sheets up to:
3000 mm x 1500 mm

And a material thickness of:
• Steel sheet: 8 mm
• Stainless steel: 4 mm
• Aluminum: 8 mm

Bending, folding and rounding
10 x Amada
2 x ADIRA
1 x Weinbrenner
1 x Schröder PowerBend
1 x roll bender machine

We can process up to a length of 3400 mm with a maximum pressure of 170 tons.

Welding
• TIG, WIG, MAG and Plasma
• Steel sheet
• Stainless steel
• Aluminum
• Stud welding robot up to size M12
• Sanding or blasting (stainless steel)

Final processing
• Powder coating
• Foaming
• Final assembly
• Aluminum anodization
• Printing
• Cable assembly
• Wiring

International standards
• DIN ISO EN 9001:2015
• Approvals according to UL 50 and CSA 22.2.
• Welding according to DIN EN ISO 3834-2
• Welding on railway vehicles according to DIN EN ISO 15085-2
• Paintwork certificates from Alstom und DB