

iQdata

The intelligent data centre





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iQdata is the brand for complete system solutions for all your data centre needs. Thanks to **iQdata**, SCHÄFER IT-Systems, as an experienced specialist for IT infrastructure, can now offer you the entire product spectrum for the full-scale equipment of your data centre:

- **Rack**
- **Cooling**
- **Power**
- **Monitoring**
- **Security**
- **Service**

iQdata combines the renowned SCHÄFER product quality with innovative and intelligent IT solutions to make your enterprise fit for the future. With unprecedented manufacturing depth, SCHÄFER IT-Systems develops and produces its own data centre solutions and supplies you with the complete system from a single source.

Put your trust in **iQdata!**



The specialist for IT infrastructure



Rack

- Network and server racks
- Colocation racks
- Cable management
- Accessories



Cooling

- Section enclosures
- CW and DX side coolers
- Back coolers
- In-rack coolers
- Accessories



Power

- Basic PDUs
- Smart PDUs
- Customized PDUs



Monitoring

- Rack monitoring systems
- Room monitoring systems
- DCIM



Security

- Early fire detection
- Rack extinguishing systems
- Door locking systems



Service

- Planning support
- Energy efficiency analyses
- Maintenance/replacement parts
- Commissioning/acceptance
- Assembly/installation

Rack



The extensive product portfolio of SCHÄFER IT-Systems' modular rack concept scarcely leaves anything to be desired. A broad base of different racks and an extremely wide-ranging spectrum of accessories will cover almost any requirements. The flexibility of the server cabinets' internal design combined with access from all sides (removable doors and side panels) and their use as stationary or mobile units are prime examples for the wealth of combination possibilities.

Standard or individual – what performance level does your server rack have to achieve?



Cooling



In data centres, cooling can take up more than a third of total energy consumption. Cooling solutions from SCHÄFER IT-Systems provide your data centre infrastructure with highly energy-efficient cooling, leading to a sustainable reduction in costs. Our diverse product range includes self-developed side, back or in-rack coolers, as well as enclosures for cold or warm aisles. The modular architecture of our cooling solutions enables them to be adapted individually to your specific requirements.

Optimised cooling – how much do you want to save?



Power



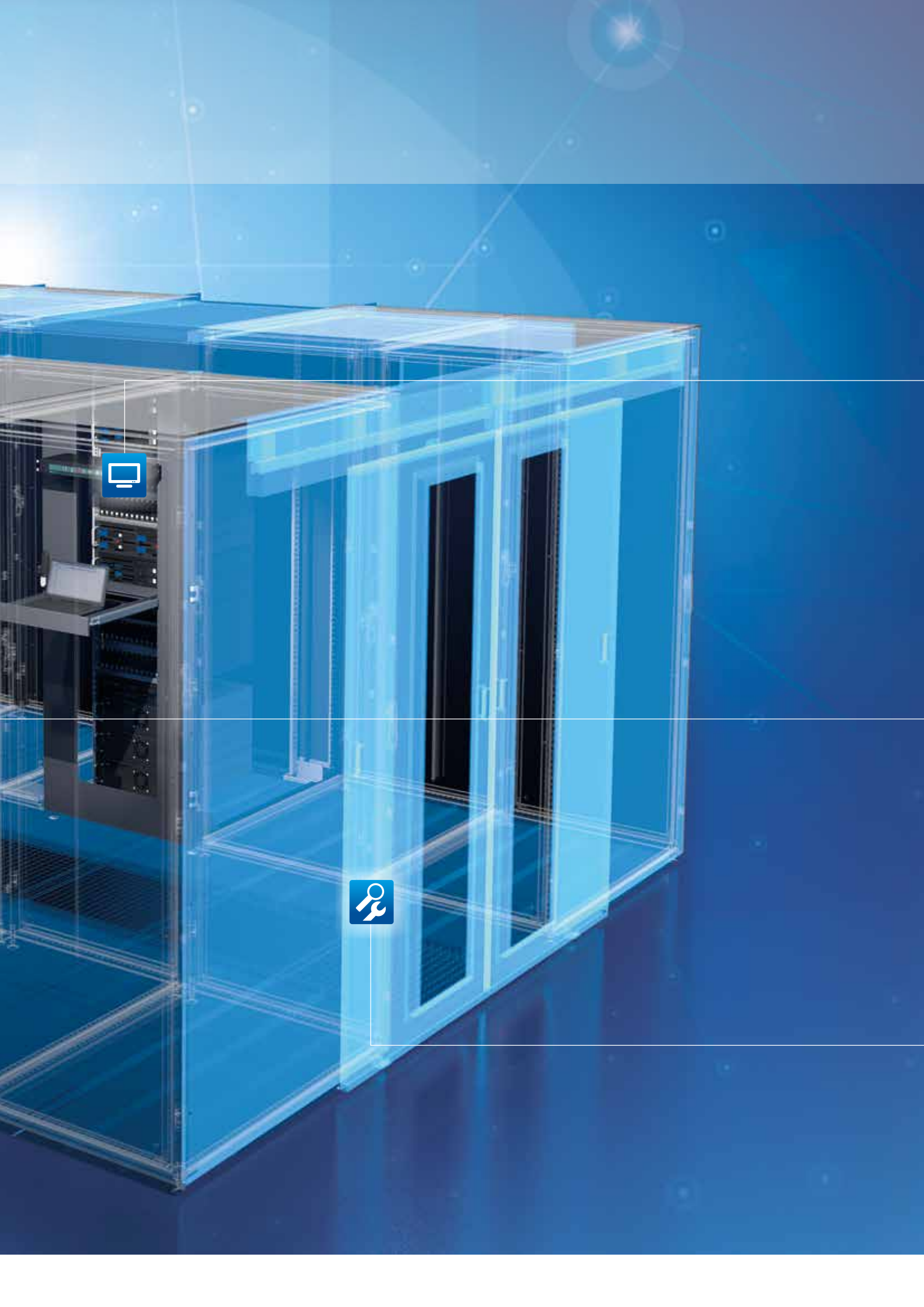
An intelligent power supply is an absolute must for your data centre. High availability and the elimination of failure rates are becoming increasingly important features. The Power Distribution Units from SCHÄFER IT-Systems are available as Basic PDUs, Smart PDUs or Customized PDUs and fulfil almost all requirements regarding socket form and numbers. The possibility for PDU cascading increases the flexibility and efficiency of your power supply even further. Thanks to permanent residual current monitoring, fewer manual inspections are needed and costs can be optimised sustainably, without compromising reliability.

Always available – how reliable do you want your power supply to be?



The system as a whole!







Monitoring

Permanent status control is the basis for the smooth operation of your data centre. The intelligent sensor concept from SCHÄFER IT-Systems will significantly simplify your data centre infrastructure management (DCIM). Climate control, door management, temperature, humidity and power supply are all monitored in the racks or in the entire server room.

Always up to date – what do you need to know?



Security

For fire detection and suppression, SCHÄFER IT-Systems has developed a 3-step safety concept to protect your data.

1. Intelligent and highly sensitive early smoke detection system
2. Automatic system shutdown
3. Optimal gas suppression

Depending on your data centre structure, both an integrated rack and room suppression solution can be implemented. Intelligent mechanical or electronic door locking systems round off the overall concept.

Safety – how sensitive is your system?



Service

The analysis is always the first step. In SCHÄFER IT-Systems' holistic service approach, competent on-site consulting and advice are the decisive components. An energy-efficiency analysis of your data centre determines the status quo and reveals optimization potential. Commissioning and acceptance tests are also included in the service portfolio, as is on-site assembly and installation by our own team. And after installation, we continue offering you our support.

If your requirements change and your company continues to grow, the modular SCHÄFER IT-Systems solutions will grow with it.

Requirements – what do you need?

Our production locations



Head office and production site at Neunkirchen (D)



Plant at Betzdorf (D)



Plant at Ledec nad Sázavou (CZ)

SCHÄFER IT-Systems, an innovative manufacturer of made-to-measure network and server cabinet and data centre solutions for both conventional and complex applications, is part of the internationally successful company SCHÄFER WERKE. The owner-led group of companies has its headquarters in Neunkirchen in Germany's Siegerland region. The work of all the SCHÄFER WERKE divisions – SCHÄFER IT-Systems, SCHÄFER Industrial Solutions, SCHÄFER Interior Systems, SCHÄFER Container Systems, SCHÄFER Expanded Metal, SCHÄFER Perforated Metal and EMW Steel Service Centre – is based on high-quality fine steel sheet. The processing of this material is one of the core competencies of this enterprise.

