



# Security for data centres with professional cleaning

Data centre cleaning is a specialised service from SCHÄFER IT-Systems and directly responds to the recommendations of the German Federal Office for Information Security (BSI). Contaminated data centres pose a significant risk to the availability, security and integrity of your IT infrastructure. With our holistic cleaning solution, which covers both the premises and sensitive IT components, we take measures to increase availability, prevent fire, maintain integrity and prevent accidents.

## The advantages for you

- Prevention of overheating and hardware failures
- Protection against damage caused by dust
- Lower energy costs thanks to clean filters
- Improved cooling capacity
- Improved air quality for employees
- Avoidance of fire hazards due to dust accumulation
- Increased energy efficiency of the devices



[www.schaefer-it-systems.com](http://www.schaefer-it-systems.com)

**SCHÄFER**   
IT-SYSTEMS

# Data centre cleaning improves IT performance

Our specialised cleaning techniques take into account the sensitive requirements of IT systems. With ESD protection, special cleaners and cleaning agents, we ensure that your infrastructure not only remains clean, but also safe.

Regular and professional cleaning not only ensures optimal availability of IT systems, but also protects them from overheating and hardware failures. Clean filters and optimised air circulation improve energy efficiency by reducing flow

resistance and therefore lowering energy costs. At the same time, the cooling capacity is improved.

Dust in the air can also pose health risks. Regularly cleaning data centres is a factor in ensuring the health and safety of employees. Cleaning floors also reduces the risk of accidents caused by slipping on dusty surfaces. At the same time, the risk of dangerous pockets of fire emerging is minimised.

## Choose from four cleaning packages

### Building cleaning and post-construction cleaning

- Cleaning during the construction phase (construction dust)
- Cleaning before commissioning
- Cleaning of
  - Raised floors
  - Climate clamps
  - Cabinet and housing system
  - Cable trays
  - Cabling system, such as CU and fibre optic distribution panel, and cable systems
- Handling of cleaning protocols

# 1

### Raised floor, racks and trays in accordance with BSI INF.2 Data centres and server rooms\*

- Proactive data centre cleaning at defined intervals
- Cleaning of
  - Raised floors
  - Climate clamps
  - Cabinet and housing system
  - Cable trays
  - Cabling system, such as CU and fibre optic distribution panel, and cable systems
- Handling of cleaning protocols

# 2

### Fire protection, electronics and cabling in accordance with BSI INF.2 Data centres and server rooms\*

- Safety during operation – protection of products and people
- Evaluation of potential sources of danger, e.g. from fire and water
- Checking of
  - Fire doors, fire compartments and fire bulkheads
  - Improper storage of flammable materials
  - Earthing of the cabinets and connection to the earthing concept
  - Cabling system, such as CU and fibre optic distribution panel, and cable systems
- Handling of service logs

# 3

### IT components according to BSI.INF.2 Data centres and server rooms\*

- Review of IT contamination
- Cleaning of
  - All internal parts of IT components (fans, PCBs)
- Documentation and measurement
- Handling of cleaning protocols

# 4

\* G04 Contamination, dust, corrosion