Integrated protection for IT rooms and computer centres
STULZ – the air conditioning specialist for the complete EDP room
Complete protection from a single source

For more than 40 years the name STULZ has stood for precision air conditioning in electronic data processing. The increase in the specific internal thermal loads in computer centres is resulting in very high demands on the reliability of the air conditioning systems. The range of services offered by STULZ has also expanded as the protection requirements have increased and today covers all components from the precision air conditioning unit to the integrated system solution.

Certain precisely air conditioning

The core competence of STULZ continues to be the reliable removal of high, density heat loads from IT rooms within close tolerances using the following components:
- Precision air conditioning units for IT rooms and computer centres
- Outdoor and indoor heat rejection units for the provision of cooling media
- Comfort air conditioning systems for operator rooms and offices
- Supply of fresh ambient air and maintenance of air quality
- Devices for pressure relief during fire fighting and for exhausting the fire extinguishing gas

Interior finishing work

Certainly perfectly built

Considerable interior finishing work is required for controlled access to IT rooms detection and containment safeguarding services and provide protection:
- Fireproof partitions and fire doors
- Framed modular floors for air distribution
- Ventilated and air conditioned ceilings
- Cable management and cable ducting
- Static auxiliary structures for load distribution

Preventative maintenance & Support Services

Certainly always available

Protection equipment in computer centres must work reliably at all times. For this purpose the plant equipment must be regularly inspected, maintained and, if necessary, repaired in a very short time. STULZ customer service ensures the necessary preventative maintenance programme with:
- Tailored service contracts
- A comprehensive service network
- Availability 24 hours a day, 7 days a week, 365 days a year
- A maximum emergency response time of 4 hours within most of the EU countries

Integrated protection for IT rooms

Certainly reliable

Your core business and we protect your investment.

In accordance with the applicable standards. So you can concentrate on your core business and we protect your investment. We have specialists in all fields who will ensure all work is performed to suit user requirements and in accordance with the applicable standards. STULZ systems engineering offers a comprehensive service network to support your business and your investment:
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STULZ systems engineering is your competent partner for the planning, co-ordination, integration, realisation and maintenance of your air conditioning and protection systems. Because your core business and we protect your investment. The core competence of STULZ systems engineering is your comprehensive care for your complex system in order to ensure the reliable protection of your equipment in every aspect.

Critical system security

Certainly protected

Every computer centre and IT room needs a distinct security strategy to meet the specified protection objectives. STULZ systems engineering offers active and passive protection technology for this purpose:
- Redundant air conditioning systems
- Uninterruptible power supplies (UPS)
- Network back up systems
- Access control systems
- Object and video surveillance
- Water detection and containment systems
- Very early smoke detection
- Stationary gas fire extinguishing systems
- Interface to building management systems

Preventive maintenance & Support Services

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STULZ systems engineering is your competent partner for the planning, co-ordination, integration, realisation and maintenance of air conditioning and protection systems for IT rooms and computer centres. As a systems integrator, we have specialists in all fields who will ensure all work is performed to the highest requirements and in accordance with the applicable standards. So you can concentrate on your core business and we protect your investment.
System integration for IT protection

Redundant air conditioning technology
IT protection starts with the reliable removal of precision internal thermal loads from the computer systems. Redundant technology from the air conditioning specialist STULZ provides double protection.

Very early detection and active protection
With the latest warning and extinguishing technology, STULZ helps to detect and fight fires and water, so that damage can be prevented before it occurs.

Access control
Surveillance cameras, restricted access authorisation and locking systems with logging minimise the security risk produced by uninvited guests.

Integrated system solutions
Double ceilings and floors create order. Air cooling, cable ducts and installation are discreetly packaged and can be accessed at any time. STULZ systems engineering coordinates all disciplines.

A clear overview at all times
Central process control systems for plant and building management monitor all equipment, log operating states, report malfunctions and help during the planning of the necessary maintenance work.

Warning signs

Central monitoring

Fire dampers

Cable ducts

Glass fibre cable

Breach reinforcement in e.g. plasterboard stud partition

Pipe for extinguishing gas

Water-cooled high-performance server cabinet

Analysis unit for very early smoke detection

Drip tray including water detector

Fire dampers

Room air conditioner

Fresh air supply

Precision air conditioning unit

Pressure relief and extinguishing gas extraction

Gas extinguishing system

Video surveillance

Drip tray including water detector

Fire dampers

Central monitoring

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