BUSINESS CONTINUITY FOR KVM SYSTEMS
TÜV Rheinland recommendation (translation)
• reduction of costs due to operational failures
• Acting according to plan in the event of damage
• Return to productive operation as quickly as possible
• Comply with regulatory requirements
• Secure competitive advantage
• Creating integrated risk management

... reduction of costs in case of damage
Redundancy in the KVM Matrix System

A network is only as good as its weakest link.
This also applies to KVM networks.

With FLEXline and Media4Kconnect redundant systems are possible. However, there are a few things to consider. For example, the fact that an extender has 2 network ports is only a part of the whole.

Example 1 Redundant extenders are used in this system

All connections to the switch are redundant. However, if the switch fails, the entire system will no longer work. Therefore the switch is the „single point or failure“ in this installation.

.... a network is only as good as its weakest link
Example 2 all switches are redundant

In this system the switch is now also redundant. Now the cabling could fail, or a switch and the function is still available.

In example 3 we will also look at the power supply.
Example 3 redundant power supply

In this example we have also drawn the power supply. The power supply of the devices can also be a „single point of failure“ if it is simply designed.

Therefore all our redundant extenders are equipped with redundant power supply.

to sum it up for you

With redundancy, the complexity of the system also increases.

There is always a simple rule when considering this:
The system is only truly redundant if all components of the system are redundant.
Remote Access

Remote Access/ Redundant control room

Access even over long distances of up to 160km/99mi with fiber optic cables. For example, if a workstation is installed in a secure area, in another building or even in another city that is connected to the KVM network via fiber cable, the operation of the PC located in the KVM network can be controlled 1:1 from the secure location. If the original location is no longer accessible in the event of a crisis, operation can thus be guaranteed.

Remote Access with KVM-Extender

If the PCs, local units and switches are in a safe area, such as a fire protection room, bunker, etc., then the system can be operated even in the event of fire or flooding. With this solution, work could „quasi“ continue from outside.
completely redundant control room

In this example we have designed a completely redundant control room that allows business continuity in any situation and represents the safest option.
Remote Access through Gateway2go

Remote access to the entire KVM network. This solution uses VPN to access the KVM network from outside. With the Gateway2go, the user can connect to all local units in the network and operate the associated PCs as with a remote extender.

If in case of a crisis only home office is possible, the complete system can be operated from outside the company as well as from inside the company.
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