IHSE COMPANY PROFILE

SETTING
NEW
STANDARDS

QUALITY ▪ ISO-CERTIFIED ▪ IN-HOUSE PRODUCTION

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WHO ARE WE AND WHAT DO WE DO?

■ Technology leader

IHSE is a world leading manufacturer of flexible and highly secure KVM (keyboard, video, mouse) extension and switching solutions for collaboration, resource and access management.
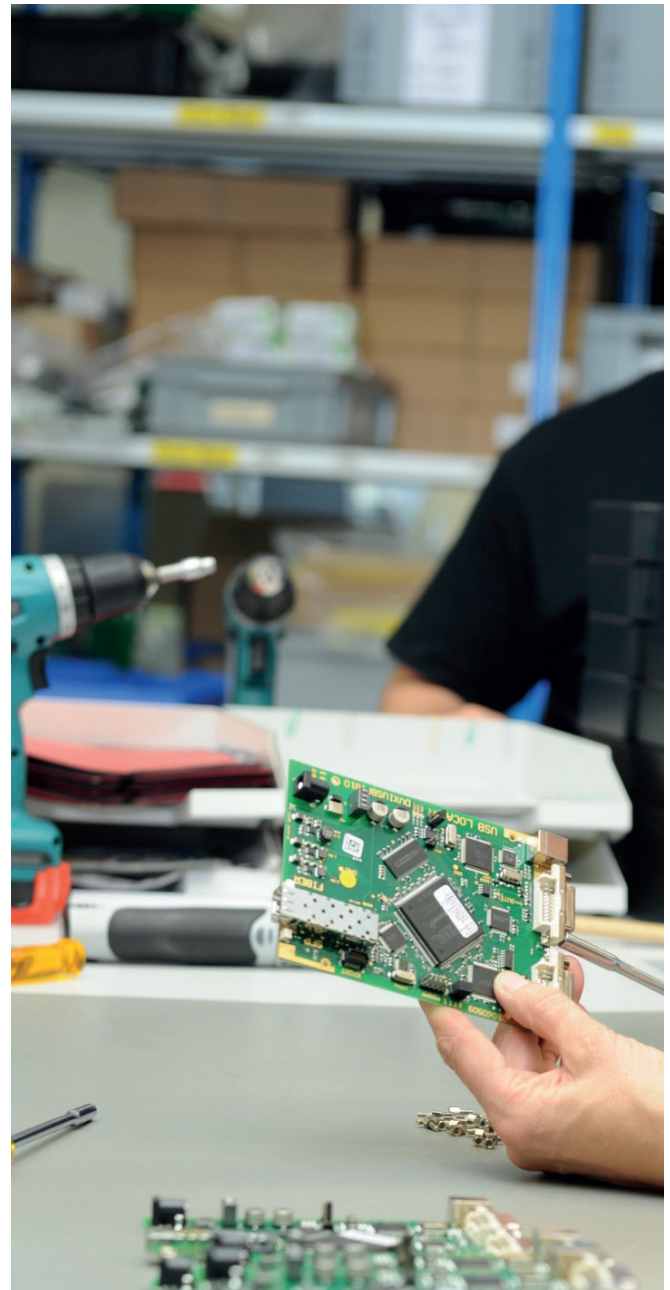
■ Made in Germany

IHSE has over 35 years advanced in-house system design and manufacturing experience. Our ISO-certified and award-winning products are renowned for their outstanding manufacturing quality, 24/7 operation, high security and flexibility.

■ Technology for tomorrow

Our mission-critical solutions are future-proof, modular and provide security of investment. They can be configured from a range of hundreds of flexible modules to meet specific individual requirements and budgets. Installations can be easily upgraded with new features and interface standards without having to replace existing systems.

■ IP connectivity NEW

IHSE technology enables location-independent access over IP with supreme system security. Using sophisticated secure-core technology, we isolate the IP protocol from the matrix. While providing flexibility and secure access to mission-critical installations, the system keeps the requirements on IP networks as low as possible. There is no need for complex IGMP multicast configuration or high bandwidth.
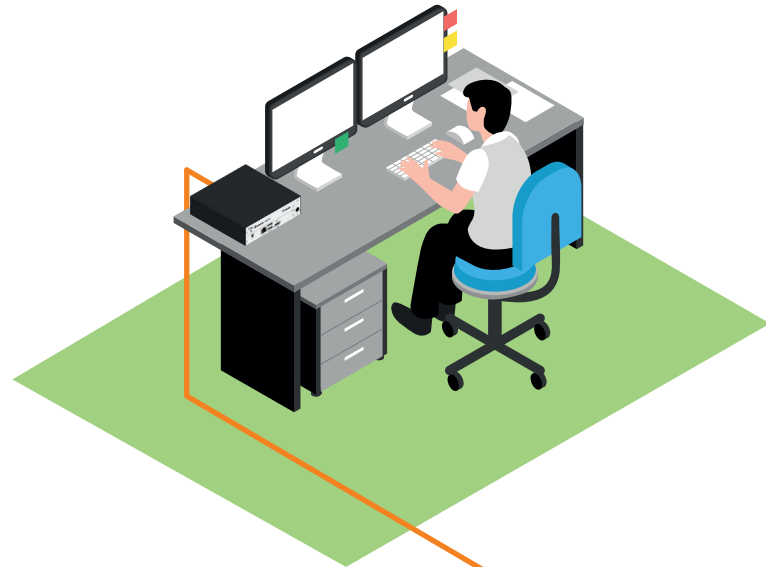
■ Global market presence

With our headquarters based near Lake Constance, we have IHSE-owned subsidiaries in New Jersey and Singapore with independent, authorized sales partners all over the world. This creates a comprehensive global sales network with round-the-clock support. Renowned international institutions rely on IHSE solutions in mission-critical operations in many application sectors, including Broadcast, ProAV, Esports, Banking, Healthcare, Maritime, Air Traffic Control and Government.

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WHAT IS KVM?

KVM stands for Keyboard-Video-Mouse, referring to the familiar workplace computer input and output devices.

Our mission-critical system solutions extend the distance between the computer and peripheral devices (keyboard, screen, mouse). Allowing users to select between different source devices to create more comfortable and efficient working environments and streamlined workflows. We offer KVM products for the switching, sharing, extension and conversion of all types of computer signals, including analog and digital video and audio, USB and SDI video; applicable to all markets. Long distances are bridged by Cat X, fiber or mixed cabling, depending on requirements and applications.

HOW DO COMPANIES BENEFIT FROM KVM?

KVM enhances the workplace

- **Relocation of computers**
  Reduction of bulky computer hardware, noise and heat in the user environment.
- **Reducing workplace clutter**
  Operation of several computers and monitors by a single set of keyboard and mouse.
- **Easy access of resources**
  Convenient and instant access to a large number of connected sources.

KVM increases IT security

- **Access control**
  Limits access of source computers to authorized users.
- **Restricted internal access**
  Prevents unauthorized removal of data and injection of malware.
- **Prevention of unauthorized external access**
  The KVM system includes integral isolation against unauthorized network access or attack and guards against electronic eavesdropping.

KVM saves costs

- **Increasing the lifespan of computers and equipment**
  Locating sensitive computer equipment in secure and environmentally-controlled server rooms allows them to be maintained and managed in the best possible conditions.
- **Reducing hardware and software overheads**
  Users from different areas and workstations can access and share computers and licensed software tools at different times.
- **Efficient use of space and technical resources**
  Workstations can be flexibly reconfigured for various tasks and applications at the push of a button.
  Simultaneous access to content enables collaboration and cooperation between remote teams.
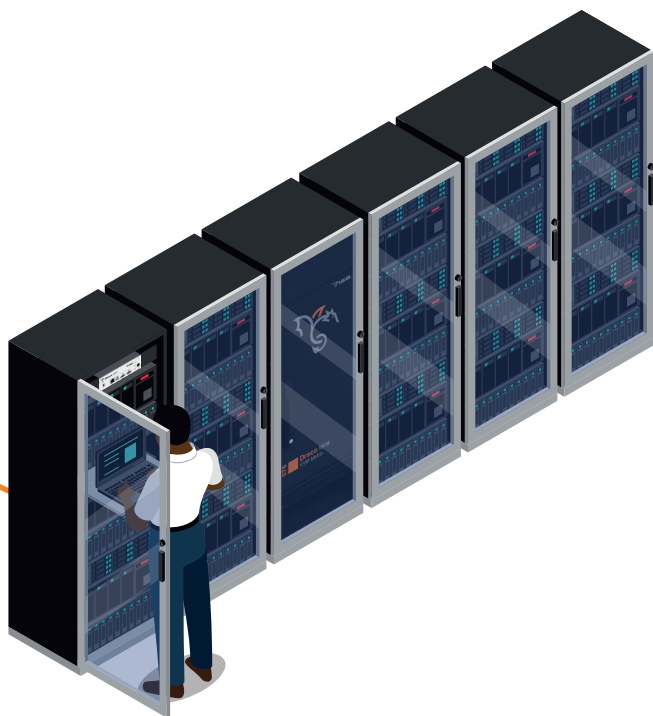
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WHAT PRODUCTS AND SOLUTIONS DO WE OFFER?

KVM Extenders

KVM extenders enable computer access from remotely-located workstations. This makes it easy to protect critical CPUs and servers from heat, dirt, moisture and unauthorized access.

Removing noisy, bulky, heat-producing computers from the operator workplace creates a more pleasant, less-cluttered, working environment Users' desks simply require basic peripheral devices: monitors, keyboards and pointing devices.

KVM extenders provide great benefit in applications like data centers, hospitals, financial floors, post production suites and in extremely space-restricted environments on ships or in ATC towers.

KVM Matrix Switches

A KVM matrix switch enables access to, and management of, any size of computer installation. Sources can be accessed, switched and shared instantly by users. Any connected user console, consisting of keyboard, mouse, monitor or other peripherals, can access any computer within the network. Expensive equipment and software licenses can be shared between multiple users accessing the same computers from their individual workstations in real time.

The system supports all relevant computer video formats up to 8K and higher resolutions as well as SDI and USB 3.0. Switches include comprehensive features such as multi-screen control and cross-conversion between AV signals and transmission media (Cat X and fiber).

A secure IP interface provides remote users with seamless, location-independent IP access via browser or client. For maximum security, the core matrix is completely shielded from the TCP/IP network.

Why are our systems modular?

Individual KVM modules can be integrated together to meet specific requirements. Enabling **tailor-made solutions** for every individual project. Standardized modules facilitate installation in common 19-inch chassis or rack cabinets found in server rooms.

Modularity offers a high level of investment security. Whenever new video standards are added or additional interfaces are required, the system can easily be expanded with additional modules. This **saves time-consuming and cost-intensive system replacements**.
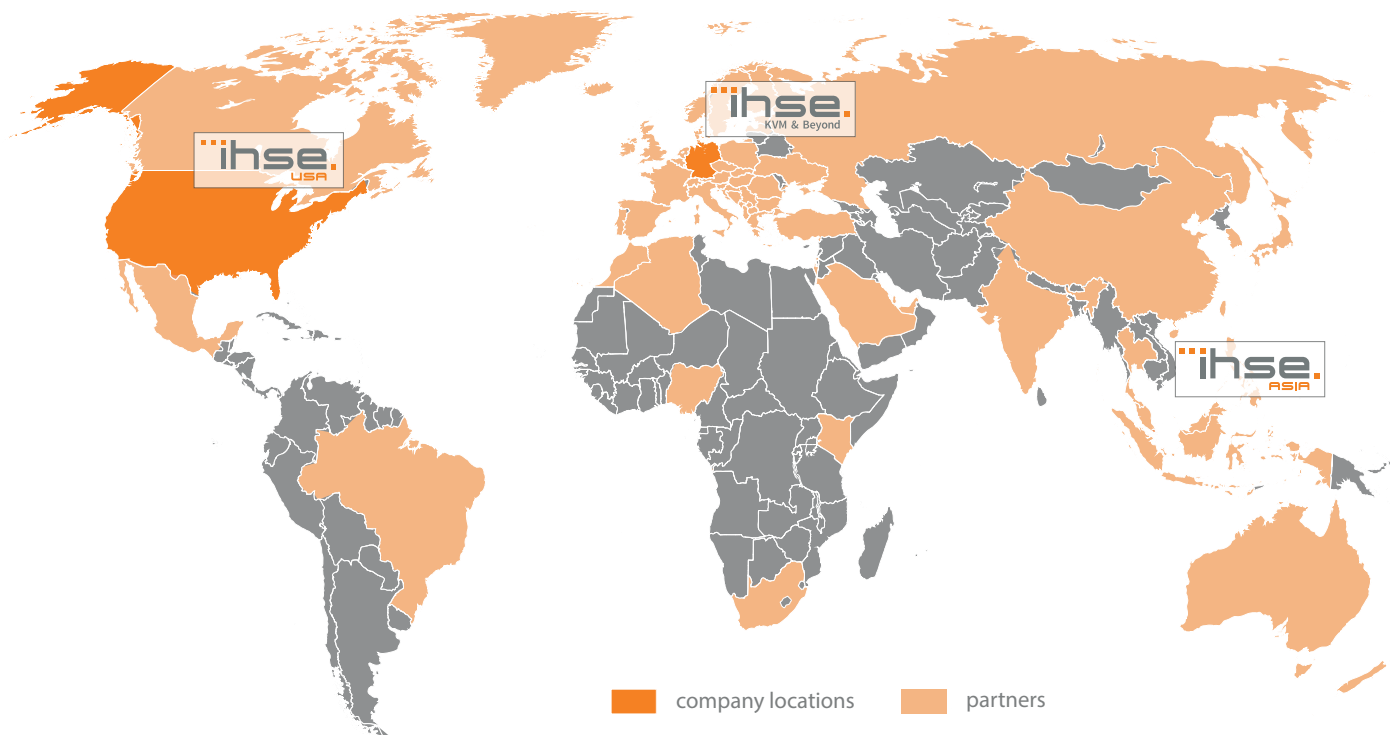
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