¨ihse.

KVM IN MISSION-CRITICAL CONTROL ROOMS

SECURE AND RELIABLE COMPUTER ACCESS FOR COMMAND & CONTROL

ACCESS ANY DEVICE, INSTANTLY

KVM extenders are essential when total security, reliability and data quality are critical. They enable operators to see the whole picture, all the time, without fail and without compromise.

Draco tera KVM matrix switches instantly switch between sources and operate with total reliability in 24/7, mission-critical systems.

Draco tera's modular and flexible design matches individual project requirements. IHSE KVM solutions integrate cloud services and virtual machines, creating future-proof central remote control rooms.
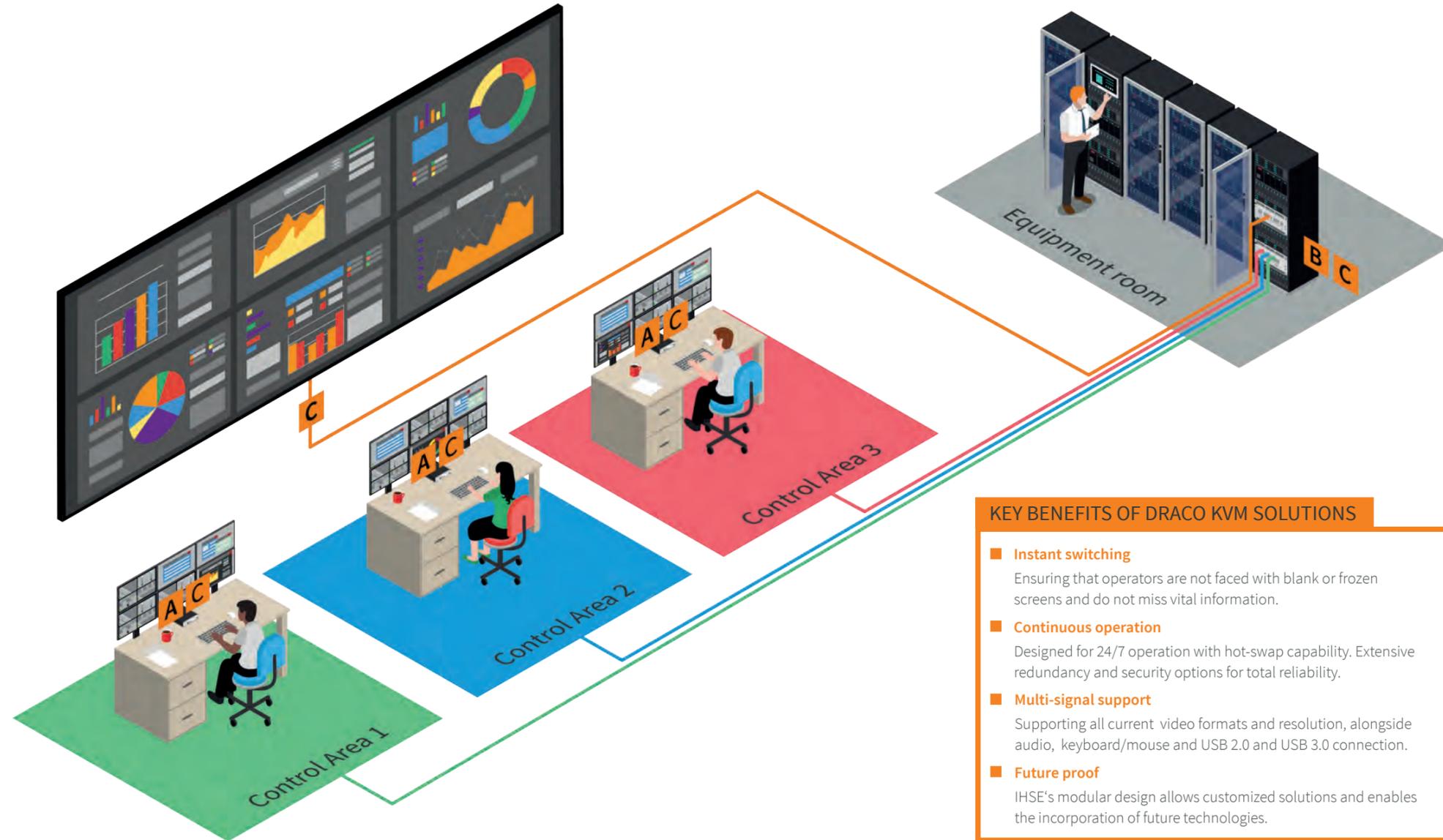
ESSENTIAL INFORMATION, SIMPLE ACCESS

Operators and network supervisors choose the information they need. Multiple screens of information are accessed using a single keyboard and mouse to minimize desktop clutter and simplify their tasks in a stressful environment.

Data can be shared between operators and displayed on common videowalls using simple and fast switching routines to ensure that everyone has the information they need right in front of them.

Draco SIRA CPU devices integrate virtual machines into the KVM infrastructure. Allowing operators to select between and access physical computers as well as virtual clients in the same way. Draco SIRA CON devices provide remote IP access to the KVM system, using a standard internet browser or software client.

Equipment room

Control Area 3

Control Area 2

Control Area 1

KEY BENEFITS OF DRACO KVM SOLUTIONS

■ **Instant switching**
Ensuring that operators are not faced with blank or frozen screens and do not miss vital information.

■ **Continuous operation**
Designed for 24/7 operation with hot-swap capability. Extensive redundancy and security options for total reliability.

■ **Multi-signal support**
Supporting all current video formats and resolution, alongside audio, keyboard/mouse and USB 2.0 and USB 3.0 connection.

■ **Future proof**
IHSE's modular design allows customized solutions and enables the incorporation of future technologies.

A **Draco vario** U-Switch

Provides interactive control of several source computers simultaneously using a single keyboard and mouse.

B **Draco tera** KVM Matrix Switch

Adds flexible and convenient switching between computers. Allows operators to choose and instantly connect to any source device.

C **Draco vario** Extenders

Transmit all types of digital and analog video and data over Cat X and fiber cabling. For point-to-point extension between individual computer systems and operators.

KVM SOLUTIONS FOR COMPUTER ACCESS AND MANAGEMENT IN CONTROL ROOMS

A KVM switch allows any data signal to be displayed on any screen. Control room operational staff can select the detailed information they require at every moment of their working day; instantly changing between sources and applications at will. KVM technology provides full flexibility and enables operators to select the critical information they need to ensure that the network operates with complete safety and utmost reliability.

The modular **Draco tera** system includes extensive backup and redundancy capabilities enabling network infrastructures to be constructed that meet near-zero downtime objectives.

Draco tera
KVM SWITCHES FOR TOTAL CONNECTIVITY

The **Draco tera** switch range extends from 8 to 576 non-blocking assignable ports. With mixed operation over copper and fiber cables, tera switches handle all types of digital video together with digital audio and USB connectivity. The Draco tera KVM switch delivers visually lossless transmission, instant connectivity and extensive configuration and redundancy options.

Draco tera instantly connects and switches operators and controllers to remote CPUs and servers. With no transmission delay or image degradation. It is the ideal solution for today's control rooms.

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SYDNEY TRAINS RAIL OPERATIONS CENTER

IHSE Draco KVM switches are used to route live operational data to operator console desks around the control suite. The KVM switch also handles content routing of live data and security CCTV camera images to the large videowall at the front of the control room.

> *Being able to respond and recover from incidents faster ensures that we can cater for the projected capacity increases and meet future customer demand.*
>
> Geoff Howard, ROC Program Director

AIRSIDE COORDINATION AND DATA CENTER, FRANKFURT AIRPORT

A Draco tera-equipped control center manages the analysis, processing and coordination of essential flight information for ground and airport surface traffic control.

> *The perfect technology and collaboration with IHSE enabled us to develop an excellent KVM concept to meet our specific needs and requirements with swift and efficient implementation.*
>
> Jörg Schulewski, Control Center Expert

NATO COMBINED AIR OPERATIONS CENTER

Four large Draco KVM matrix switches keep NATO's Combined Air Operations Center running, guarding against terrorist and national security threats, 24 hours per day, 7 days per week.

> *Near instantaneous response, no dropped commands and unrestricted matrix connectivity enable the duty controller to specify the exact configuration required. Even a slight delay in response is unacceptable.*
>
> Manuel Kirchesch, Project Manager

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SECURE KVM SOLUTIONS ▪ IP ACCESS ▪ MISSION CRITICAL 24/7