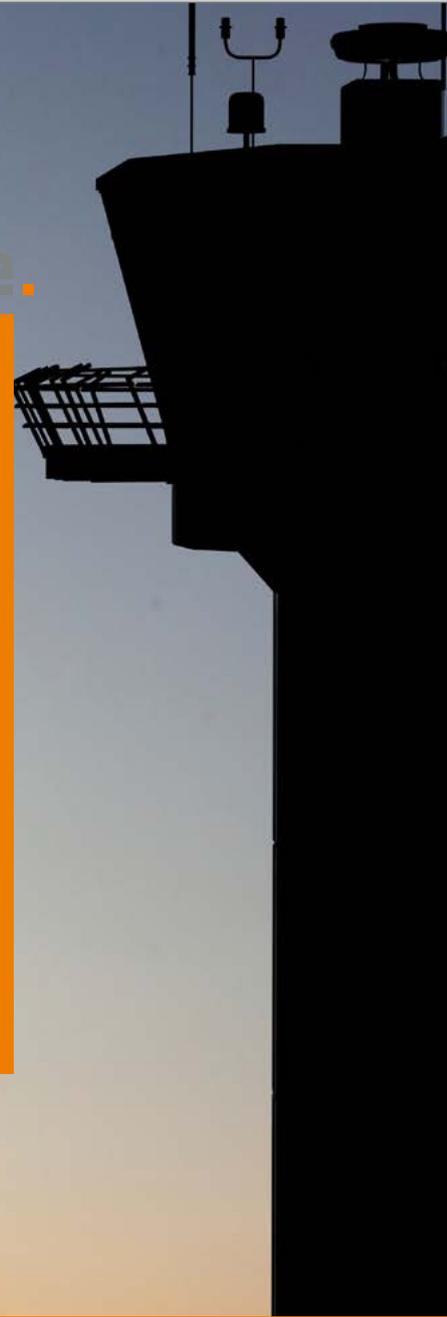ihse.

INTERACT IN
AIR TRAFFIC MANAGEMENT

Real-time data distribution, from take off to landing, and beyond

Access any ATM device, instantly

Information is crucial to safe and efficient air operations. IHSE KVM technology transports real-time data throughout the entire air traffic control and management process, enhancing safety and operational efficiency from take off to landing, and beyond.

IHSE systems deliver critical data to control towers, aid ground and air personnel training, assist with baggage handling and inform passengers through terminal information and signage.

All with multiple-levels of system redundancy, back-up and failsafe operation to ensure continuous, mission-critical operation.

Highlights

- Designed for 24/7 continuous operation with minimal downtime
- Hot swap component capability
- Artefact and latency-free video up to 4K UHD 60Hz
- Mixed Cat X and fiber interconnection
- Fully-secure KVM transmission with instant response
- Redundancy and back-up to meet security requirements
- Administrator-managed access control
- In-band control and out-of-band control

The Draco tera matrix system.
Available in a range of sizes from 8 to 576 ports.

Reliable, safe, secure

Proven in many airports, ATM and air defence command centers throughout the world, Draco tera is the ideal connectivity solution for modern systems used in global air operations. High flexibility, inbuilt security and extensive redundancy match the individual requirements and demands of today's air traffic management centers.

Highest quality images, cost-effective solutions

Draco KVM extenders and switches deliver visually lossless images at 4K resolution (8K ready) over a single fiber, with near-zero transmission latency and instant interactive operator response. Ensuring that operators see the whole picture, all the time. And all in a compact, cost-effective, modular and futureproof solution.

Meeting the future needs of ATM

As air traffic management systems and installations grow and evolve, so too does the need for ever more-capable technology. Whether for merging radar screens into 4K setups, remote or virtual tower concepts, greater operational efficiency or back-up capability, IHSE's commitment to future video and data standards will satisfy tomorrow's requirements.

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. In today's environment, even a slight delay in response is unacceptable.

Manuel Kirchesch, Project Manager

Draco tera
KVM switches for total connectivity

The Draco tera range extends from 8 to 576 non-blocking, assignable ports. With mixed operation over copper and fiber cables, the switches handle all types of digital video up to 4K UHD resolution as well as SDI and USB 3.0. The Draco tera KVM switch delivers visually lossless transmission, instant connectivity and extensive configuration and redundancy options.

Draco tera connects and switches users to remote CPUs and servers instantly. With no transmission delay or picture degradation. It is the ideal solution for today's ATM facilities.

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Sofia Airport, Bulgaria

IHSE KVM extenders connect computers in several ground-based buildings to operators in the control tower via fiber cabling. The extenders deliver lossless image quality and near-zero transmission latency.

The KVM system was extremely quick and easy to install. We were operational with only a minimal amount of delay. It has been totally reliable giving us great confidence in these products.

Iavor Pavlov, Head of Surveillance at BULATSA

Frankfurt Airport, Germany

Draco tera KVM switches are used in the airside coordination and data center and also in the apron controller simulation and training room to enhance the operational environment, streamline operations and deliver flexible operational capability.

As well as being of the highest quality, the Draco tera system has the flexibility to meet our specific needs and requirements.

Jörg Schulweski, Control Center Expert at Fraport AG

Jersey Airport, United Kingdom

Computers and servers critical to airport operations are housed in a secure equipment room at the base of the control tower and connected to operators' screens at the top, around 40 metres above, using KVM extenders.

Equipment must be totally reliable and capable of 24/7 unattended operation. IHSE's extenders meet this requirement. Having local support engineers in the UK gives us even greater confidence.

Peter Gutteridge, Senior Project Engineer for Copperchase

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