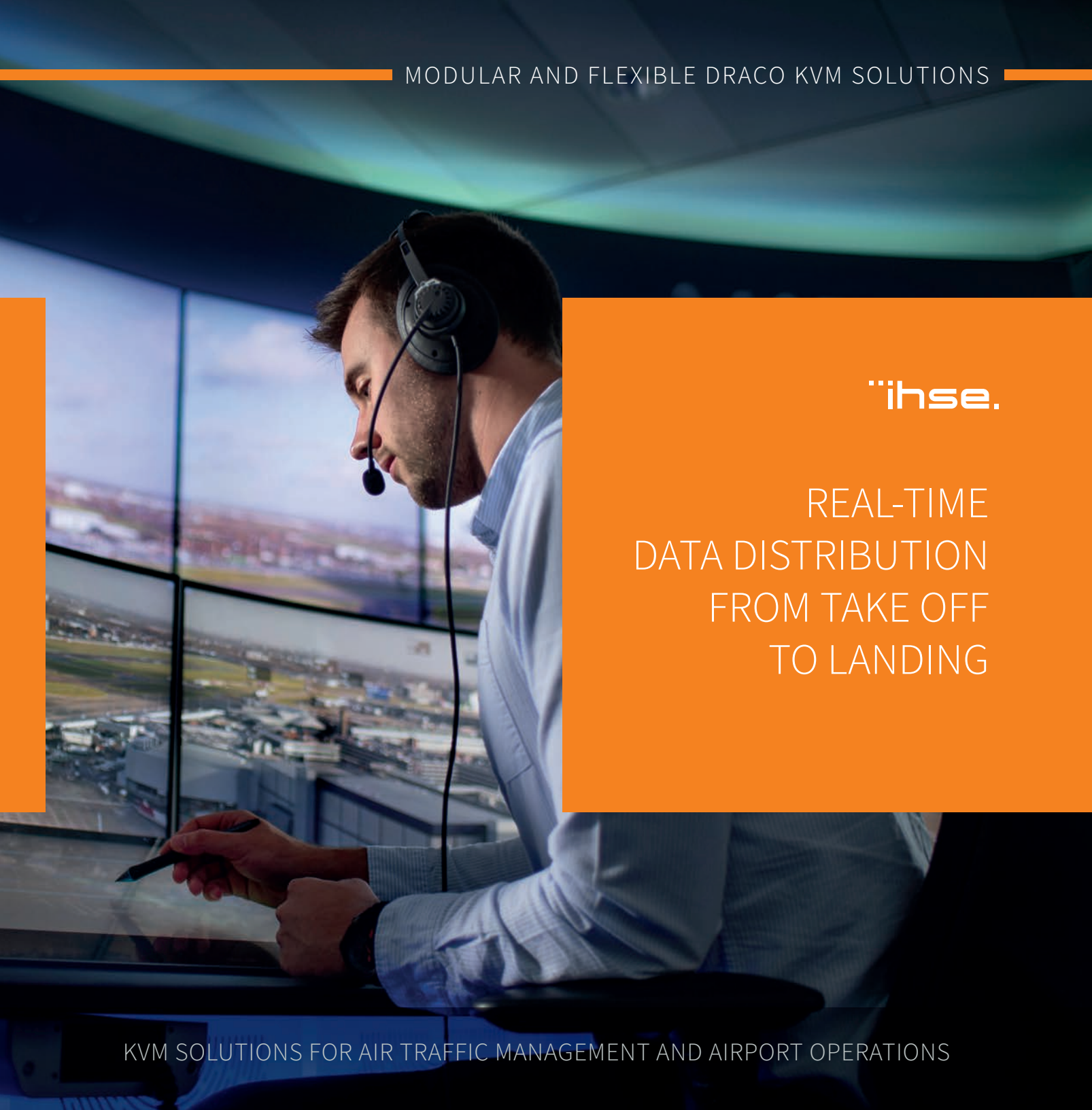

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REAL-TIME DATA DISTRIBUTION FROM TAKE OFF TO LANDING

KVM SOLUTIONS FOR AIR TRAFFIC MANAGEMENT AND AIRPORT OPERATIONS

INFORMATION IS ESSENTIAL TO FLIGHT OPERATIONS

Airport operators and flight controllers rely on accurate and up-to-date information to make sure passengers reach their flights on time and ensure aircraft move safely around the skies.

The air traffic industry today is also faced with the challenge of improving operational efficiency whilst remaining within budgetary constraints and without compromising safety.

Accurate information flow is crucial to the smooth running of aircraft operations. That data must arrive without delay, error or corruption; continuously and with total reliability.

KVM SOLUTIONS FOR AIRPORTS AND AIR TRAFFIC CONTROL

IHSE's high performance KVM extenders and matrix switches bring new levels of functionality and capability to air traffic and airport operations.

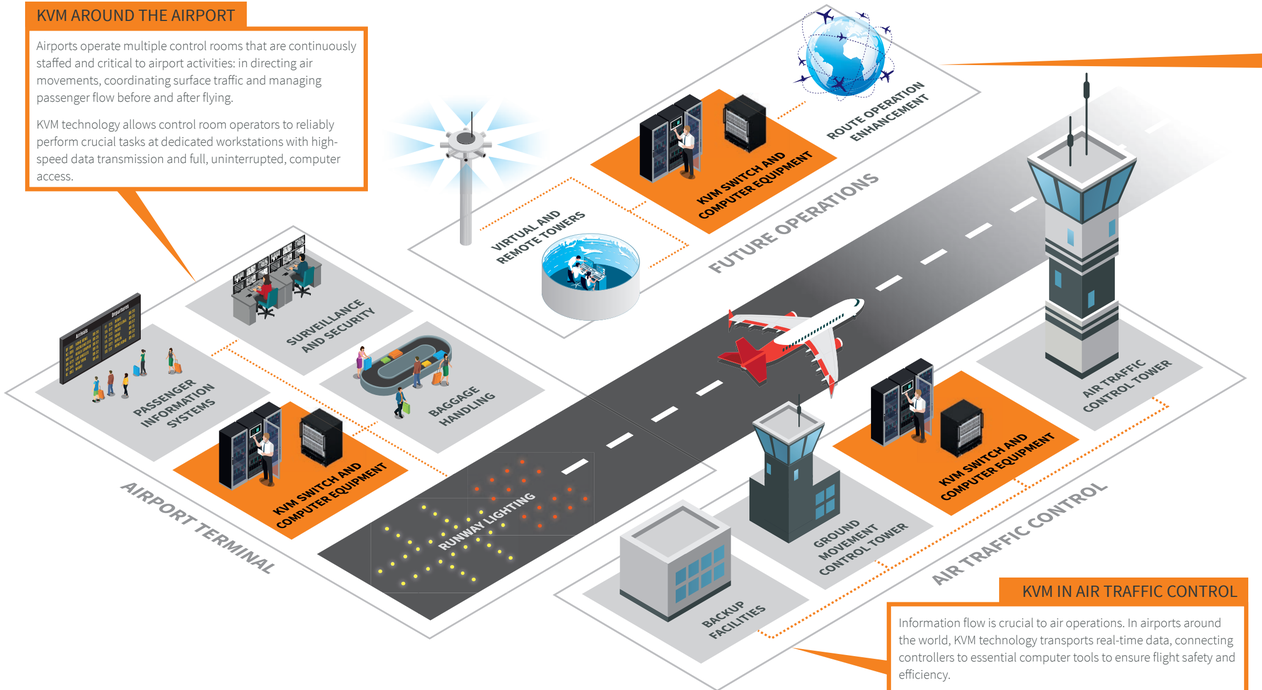
IHSE systems deliver critical data to control towers, aid ground and air personnel training, assist with baggage handling and inform passengers through terminal information and signage.

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

KVM AROUND THE AIRPORT

Airports operate multiple control rooms that are continuously staffed and critical to airport activities: in directing air movements, coordinating surface traffic and managing passenger flow before and after flying.

KVM technology allows control room operators to reliably perform crucial tasks at dedicated workstations with high-speed data transmission and full, uninterrupted, computer access.



KVM IN AIR TRAFFIC CONTROL

Information flow is crucial to air operations. In airports around the world, KVM technology transports real-time data, connecting controllers to essential computer tools to ensure flight safety and efficiency.

IHSE offers comprehensive and reliable solutions to air traffic control and management in digital, remote and virtual towers.

KVM FOR FUTURE AIR OPERATIONS

The air traffic industry is constantly seeking ways to improve operational efficiency whilst ensuring total operational safety and remaining within budgetary constraints.

IHSE's high-performance KVM solutions bring new levels of functionality and capability to air management; maximizing the return on existing assets and enabling seamless incorporation of new techniques and technologies into the operational infrastructure.

KEY FEATURES AND BENEFITS OF DRACO KVM SOLUTIONS

- **Instant switching**
  Switching between sources occurs with no latency, ensuring that operators are not faced with blank or frozen screens and do not miss vital information.
- **Continuous operation**
  Designed for 24/7 continuous operation with hot-swap capability enabling component replacement without system shut-down. Extensive redundancy and security options for total reliability.
- **Multi-signal support**
  Supporting all current video formats and resolution, including 4K60 and beyond, alongside audio, keyboard/mouse signals and USB 2.0 and USB 3.0 connection.
- **Future proof**
  IHSE maintains a future-proof product strategy. The modular design allows customized solutions and enables the incorporation of future technologies.

ACCESS ANY ATM DEVICE, INSTANTLY

Draco vario KVM Extenders

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 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.

Draco tera KVM Matrix Switch

A KVM matrix switch adds flexible and convenient switching between computers. It allows operators to choose and instantly connect to any source device. Draco tera KVM matrix switches instantly switch between sources and operate with total reliability in 24/7, mission-critical systems.

The modular and flexible design matches individual project requirements, with a range of 8 to 576 non-blocking assignable ports and built-in redundancy to meet desired safety levels in every installation. It is the ideal solution for today's air traffic operations.

Draco MultiView 4K60

The Draco MultiView 4K60 is the perfect ATC Switch for mission-critical control rooms. It offers single-box switching and display selection of up to four single-head or dual-head inputs onto two 4K displays. Outputs are suitable for multi-screen workstation applications as well as multi-window large screen videowalls. Users can select between various display modes such as picture-in-picture, quadscreen or completely individual layouts.

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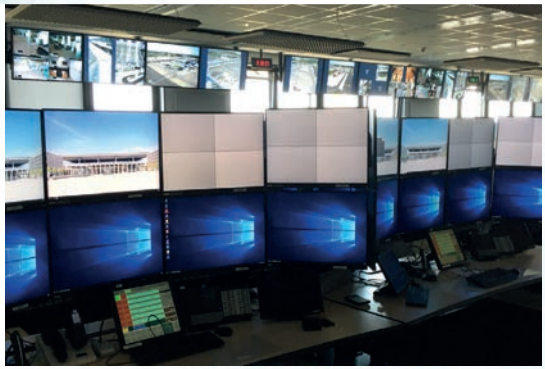
KVM SOLUTIONS IN AIRPORTS

AIRPORT BERLIN BRANDENBURG, GERMANY

In the new major international Berlin airport, an IHSE KVM solution enables remote computer access and control of various mission-critical control and monitoring systems, including fire protection, apron control, terminal, baggage handling, all flight movements and ground movements.

> *We can access distant computers from any location in real time as if it was located directly at the workplace.*

Norman Beneke, Consultant IT-Solutions, BER Airport



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

KING ABDULAZIZ INTERNATIONAL AIRPORT (KAIA), JEDDAH, SAUDI ARABIA

The new ATC tower comprises a fully-redundant KVM matrix switching solution for fail-safe operation in critical situations.

The KVM system instantly connects operators in the visual control room at the top of the tower to computers over 100 meters beneath without loss of visual quality or latency.

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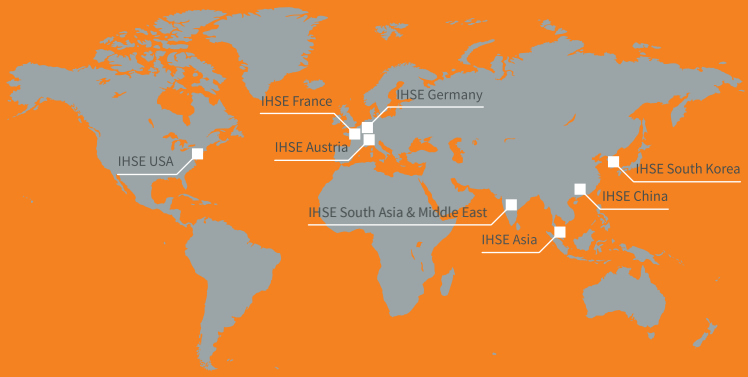

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SECURE KVM SOLUTIONS ■ IP ACCESS ■ MISSION CRITICAL 24/7