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KVM IN TRANSPORTATION MANAGEMENT

SERVER MANAGEMENT AND ACCESS FOR CRITICAL CONTROL ROOMS

KVM IN TRANSPORTATION MANAGEMENT AND CONTROL

Control room operational staff rely on accurate data in order to manage and control today's major, highly complex, transportation networks.
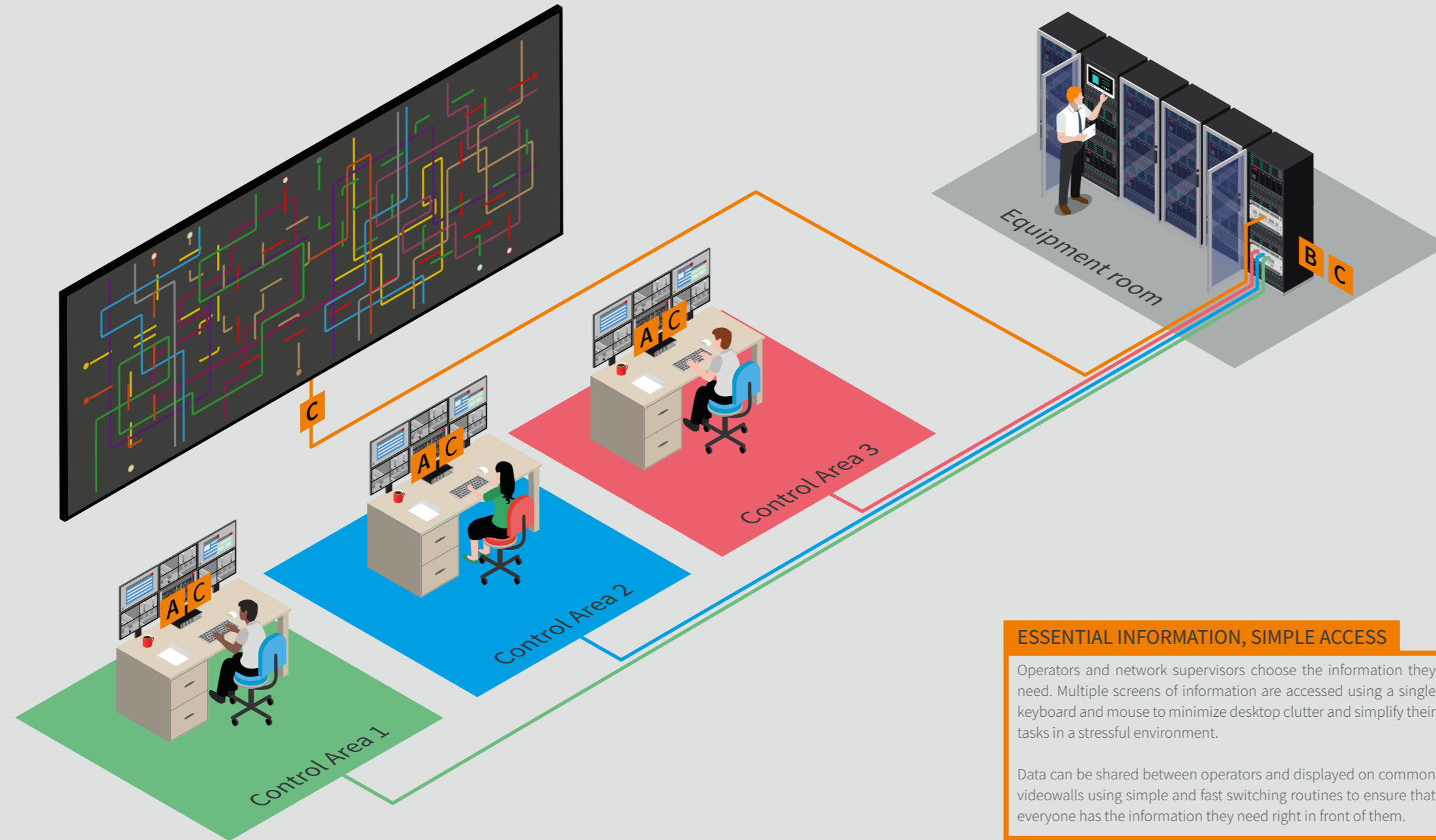
To keep track of the live status of the network and to respond instantly to unexpected situations, operators and controllers need uninterrupted access to critical data with the ability to instantly change their focus in new situations.

IHSE KVM technology aids the construction of modern control rooms for the transportation sector: controlling, switching, delivering and managing crucial information streams with total reliability, flexibility and integrity.

HIGHLIGHTS

■ Extensive redundancy and security options for total reliability

■ Near-zero transmission latency

■ Artefact-free video and audio extension

■ High resolution, up to 8K and beyond

■ Latency-free USB 2.0 and USB 3.0 connection

■ Instant connection and switching

■ Modular design to incorporate future technologies

Equipment room

C

A C

A C

A C

B C

A C

Control Area 3

Control Area 2

Control Area 1

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.

A **Draco vario** U-Switch

Communicates data and interactive control to several source computers simultaneously using a single keyboard and mouse.

B **Draco tera** KVM Matrix Switch

The Draco tera KVM Matrix Switch connects operators to local and remote devices providing delay-free, highly secure signal transmission over Cat X and fiber cabling.

C **Draco vario** extenders

Receive all types of digital and analogue data and connects to the KVM Matrix Switch for onward transmission to operators.

FLEXIBLE AND RELIABLE SOLUTIONS FOR TRANSPORTATION MANAGEMENT AND CONTROL

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 transport 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** range extends from 8 to 576 non-blocking assignable ports. With mixed operation over copper and fiber cables, the switches handle all types of computer signals including USB, audio and video (HD, 4K, 8K above); an ideal solution for operator consoles and large video walls.
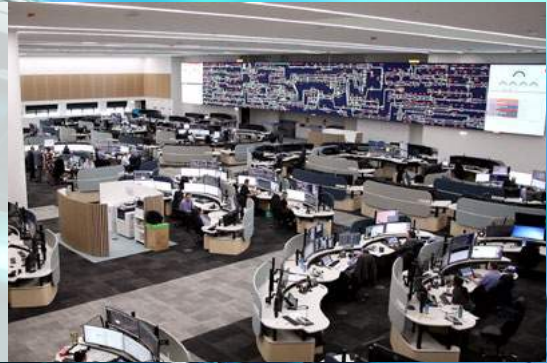
Draco KVM solutions deliver visually lossless transmission, instant connectivity and delay-free interactivity to meet the demanding needs of transportation network management. With instant switching between sources so that operators can adapt to changing and unexpected situations.

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SYDNEY TRAINS RAIL OPERATIONS CENTER

IHSE Draco KVM switches are used to route live operational data and decision-making support tool data feeds 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.

EIFFAGE ENERGY

A major new control room constructed around a Draco KVM switching system enables train operators to manage a new high-speed line linking Le Mans with Rennes.

Safety is the most critical element of the design. The control room was designed for 24/7 uninterrupted operation to ensure total safety and reliability at all times.

MONT BLANC TUNNEL

Busy motorway tunnels have dedicated control rooms with operators watching over traffic lanes and responding instantly to accidents and events.

At the 11.5 Km Mont Blanc Tunnel a Draco tera KVM system allows controllers to switch between different data sources giving them the choice of data they need to ensure the safety of nearly 2 million travellers through the tunnel each year.
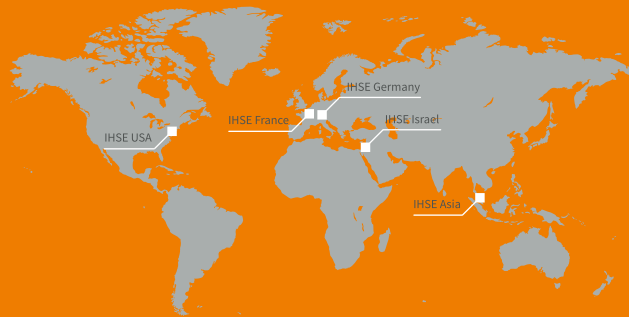
IHSE GmbH - Headquarters
Benzstr. 1
88094 Oberteuringen
Germany

Tel.: +49 (7546) 9248-0
info@ihse.de
www.ihse.de

IHSE Germany

IHSE France

IHSE Israel

IHSE USA

IHSE Asia

ihse.

IHSE USA LLC
1 Corporate Drive
Cranbury, NJ 08512
USA

Tel.: +1 (732) 738 878 0
info@ihseusa.com

IHSE GmbH Asia Pacific Pte Ltd
158 Kallang Way, #07-13A
Singapore 349245

Tel.: +65 (6841) 470 7
info-apac@ihse.com

Regional Office France
Paris
France

Tel.: +33 (678) 478 822
info@ihse.com

Regional Office Israel
Shoham
Israel

Tel.: +972 (544) 320 768
info@ihse.com

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