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IHSE USA And Vizrt Demo KVM Connection

IHSE USA joined forces with Vizrt at NAB to demonstrate high-performance, long-distance KVM capabilities by connecting a live source between the two companies' booths, which were at opposite ends of the South Hall at the Las Vegas Convention Center. Both manufacturers demonstrated the mutual compatibility of their products based on real scenarios, showing long-distance connectivity in real time.

"Vizrt visualisation software is widely used in digital workflow for the broadcast industry, quite often for real-time ingest of live data and video into the on-air video stream. In this scenario, broadcasters require high video quality and instant remote access from studios and control rooms. As long-time partners, Vizrt and IHSE have worked together to optimise IHSE's KVM technology and operational concept for this typical broadcast application,"

said Dan Holland, Marketing Manager for IHSE USA.

"This demonstration is an example of what's possible when broadcasters combine Vizrt's visualisation software with IHSE's KVM technology for live production: they get immediate high-performance access to their signals without loss of quality."

The demonstrations involved IHSE Draco tera enterprise and compact matrix switchers and the full line of IHSE vario Series extenders for DVI, HDMI, and DisplayPort. The IHSE equipment managed Vizrt workstations running the Viz Engine real-time compositor, Viz Artist modelling and animation tools, and the Viz Trio character generator. A fibre connection between the booths - a distance of about 1500 feet - connected a live workstation at the Vizrt booth to a workstation at the IHSE booth comprised of Vizrt hardware and software.

The demonstration in the Vizrt booth showed instant KVM switching between Vizrt control PCs and Viz Engine graphic engines based on an eight-port IHSE Draco tera compact matrix. Vizrt used the system for its video wall and augmented-reality show, with live demonstrations taking place every 30 minutes. These large public demonstrations require a full control room. IHSE's equipment enabled Vizrt to reliably connect to servers in the rack room and allowed operators to swap between multiple machines without fail.

Meanwhile, at the IHSE booth, IHSE demonstrated the seamless integration of Vizrt user stations with other broadcast applications. The Vizrt source was distributed to several workstation areas, showing simple access through IHSE's KVM tie-line management using Draco Grid Manager and the Draco enterprise KVM matrix switch.

The joint demonstrations created a real-time operational environment that proved the IHSE equipment can perform latency-free switching among editing stations over long distances with no loss of quality or resolution, even with large graphics processors. ∎

A Draco tera compact matrix switch was used in the demonstration