Modern A/V Broadcasting Solution - HDMI Matrix Switch Integrated with Video Wall System

Client: PETROVIETNAM, Vietnam

PetroVietnam, Vietnam Oil and Gas Group, is a state-owned company in Vietnam that manages petroleum/hydrocarbon exploration and production activities.

The company recently built a large conference room in their Ho Chi Minh City branch office for holding annual shareholder meetings. For real-time monitoring and management of the meetings, all video sources for conferencing, presentations, and surveillance are centrally managed in a control room. Using ATEN solutions control room techs can easily broadcast to a 6x4 video wall on the stage, across multiple LCD TVs around the conference room, and view surveillance video.

Challenges

- How to centrally manage video sources from different A/V systems and deliver the select signals to a 6 X 4 video wall and all LCD TVs?
- To split and extend various video signals to the different display devices around the conference room.
- Ensure high quality video performance (1080p) for the video wall and LCD TVs when the signals are extended over a long distance.
- Integrate various video formats and A/V devices provided from different vendors.

Solution

VM0808H x 2
8X8 HDMI Matrix Switches

Rear View

- HDMI Out Ports
- External IR Receiver Port
- Ethernet Port
- HDMI In Ports
- RS-232 Port
VS0108H x 2
8-Port HDMI Splitters

VS184 x 3
4-Port HDMI Splitters

VS381 x 3
3-Port HDMI Switches
Success Story

Features & Benefits

- The VM0808H HDMI Matrix Switches are used to centrally manage the various HDMI input and output devices. The VM0808H has a unique web-based GUI that allows control room operators to easily manage and change video signals from various source devices, while delivering the right signals to the 6x4 video wall and all LCD TVs.

- The company utilized ATEN HDMI Splitters to transmit the video signals to multiple displays, while using VE800 HDMI Extenders and VE812 HDMI HDBaseT Extenders for longer video transmission that can be viewed by attendees across the conference room.

- The video sources from cameras, notebooks and the conferencing system support both VGA and HDMI formats. ATEN video converters were used to convert the video signals from analog to digital to accommodate all A/V formats while providing smooth high quality video distribution with performance.

“Since there are different video sources from various devices in our new A/V broadcasting system, the biggest challenge for us is how to manage varied signals inputs and outputs. ATEN’s products can be compatible with most video devices on the market that provide stable and smooth video display performance. By integrated ATEN’s HDMI Matrix Switch with Samsung’s video wall system, our operators in the control room can easily control various signals via ATEN’s unique GUI tool that can simplify the management processes. In addition, thanks for ATEN’s high quality products and complete pre-sale and post-sale services that help us to choose the right products for our broadcasting system while saving time and cost on the system installation.” – Customer Feedback