

[internal release]

ClearOne® VIEW® AV Streaming System Powers AV System at New Unilever Singapore Training Facility

With 24 AV zones spread throughout two buildings, the company now has full, simple control of its expansive AV system.

SALT LAKE CITY, UTAH, August 15, 2017 — When Unilever, the world's largest consumer goods company, built its new training facility in Singapore, perhaps the most crucial component was a robust audio/video system that would be easy to use, had no audio lag and could deliver multiple sources to a total of 49 endpoints including digital signage displays. Working with Principle One, a leading technology integration firm with offices in Hong Kong, Singapore, Shanghai and Tokyo, the company turned to ClearOne (NASDAQ:CLRO), the leading global provider of audio and visual communication solutions, and the ClearOne VIEW network streaming system based on Streamnet® patented technology TCP/IP solution to provide the 24-zone, four-source system that makes the training center more efficient and enjoyable for both employees and trainees.



ClearOne MLAV9500-CS Digital Encoder

According to ClearOne Senior Sales Director for Asia Pacific and the Middle East David Wang, this project highlights the unique attributes pioneered by ClearOne that provide unrivaled simplicity and functionality for the world-renowned manufacturer's training program for the Asia Pacific region.

"With a training facility of this size and complexity, it was an absolute necessity to implement a simple, consistently superior audio/video solution," Wang said. "Using our VIEW products, Principle One was able to provide Unilever with a robust audio and video streaming and distribution system, and ensure there would be no sync issues or audio delay from room to room. This is a major concern with other TCP/IP audio distribution systems, as any delay between endpoints can distract listeners, cause confusion and reduce the system's overall effectiveness."

One of the breakthroughs of the Streamnet technology based TCP/IP solution is its ability to reduce audio delay between speakers and endpoints to below 1 millisecond, which is indiscernible by listeners. In a location with 24 separate AV zones that can play any of four sources, this attention to detail makes all the difference.

The 24 dedicated zones blanket the entire training center with top-quality audio, connecting the training halls, syndicate rooms, amphitheater, gymnasium, dining facilities, leisure center and meeting rooms for senior staff. The system is a breeze to use, too, thanks to the iPad control interface. Several digital signage displays located throughout the premises receive feeds from the VIEW system and enable centralized control. Ten rooms also include ClearOne wall-mount keypads, allowing room operators to choose sources and set the volume for content.



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According to Norman Law of Principle One, this support was a major part of their decision to specify and install ClearOne AV solutions. “What we value most about dealing with ClearOne is their support throughout the project process. There is always a knowledgeable person at the end of the phone who is not only able to answer any questions we might have, but is aware of our specific project, and that is invaluable to us when we are dealing with clients of this nature and size.”

The VIEW system at Unilever’s training facility is comprised of 26 ClearOne MLAV9500 IP-Based Digital Video Encoders, 24 ClearOne VL9300 IP-Based Digital Video Decoders, 25 ClearOne SL251 IP-Based Controller/Amplifiers, a ClearOne ANTHOLOGY Audio Media Server, 4 ClearOne 48-Port Gigabit Switches and 10 ClearOne KL201 Wall-Mount Keypads.

“We stand behind our solutions and provide on-demand help during the installation and design process as well as on any occasions where troubleshooting is required,” Wang added. “We want every installation to go smoothly and result in happy end-users, and we do everything we can to help integrators make that happen on every job. Superior service and innovative technologies are what keeps integrators coming back and sharing our products with their clients both large and small.”

For hi-res images, [click here](#).

About Principle One

Principle One is a multi-disciplinary integrator with offices in Hong Kong, China, Singapore and Japan. They provide audio-visual, IT installation, management and maintenance services to companies across Asia. With over 100 employees, they offer a wide range of skills in-house. They provide services for industries ranging from financial services, retail and leisure. Visit Principle One at www.principleone.com.

About ClearOne

ClearOne is a global company that designs, develops, and sells conferencing, collaboration, and network streaming & signage solutions for voice and visual communications. The performance and simplicity of its advanced, comprehensive solutions offer unprecedented levels of functionality, reliability, and scalability. Visit ClearOne at www.clearone.com.

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