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M3 Technology Group Preps Multipurpose HQ Building to Engage & Educate

The Engineer Research and Development Center facility in Vicksburg, Miss., needed to appeal to visitors while reserving a dedicated space for special operations.
By Adam Forziati

THE U.S. ARMY CORP of Engineers' ERDC (Engineer Research and Development Center) headquarters facility in Vicksburg, Miss., operates as both a visitor and private space. It provides guests an opportunity to convene on governmental research, but it also functions as a component of the Corps of Engineers — away from the public.

Distinct Building Applications Addressed

The building also contains interactive classroom spaces and collaborative conference rooms, an Emergency Operations Center (EOC) and two large-scale VTC suites for collaborating with peers, responding to disasters and communicating about upcoming events.

The aim of the facility is to create an environment that better prepares the Corps to fulfill its mission to provide vital public engineering services in peace and war to strengthen security, energize the economy, and reduce risks from disasters. To create an AV experience unlike most found in a

governmental space, the facility turned to M3 Technology Group.

The Solution

Fourteen LG 65EV5C OLED Wallpaper panels cover a custom-built structure inside an interactive atrium space. The video signal to that centerpiece is distributed by a Crestron DigitalMedia (DM) matrix switcher feeding an RGB Spectrum Galileo video processor.

Two 32-foot-tall mosaic video walls composed of 30 LG VMC5 monitors each, both 55- and 46-inch, allow the ERDC to receive visitors with custom greetings, the content for which was created by Hyper-sign. A large auditorium features two Barco F90 4K 13 Laser projectors, Tannoy QFlex arrays and VX12 speakers, as well as broadcast functionality via a Tricaster 410 system with Sony BRC-H900 cameras.

All of these components are controlled by Crestron processing and enable the facility to host massive audiences, both in person