

Undisclosed Utility • Southeastern United States

CriticalSpace Solutions completed design validation and build services to implement the control rooms that monitor power transmission and gas pipeline functions, as well as the electric simulator for training purposes. CriticalSpace Solutions served as the client design validation consultant, where TI proved through an exhaustive process that character heights for the operators managing the display walls would be of sufficient height for readability from the operator workstation positions. Integrated into the electric transmission control room was a custom built 8x3 80' display-wall structure with appropriate screen technology to accommodate aggressive off-axis viewing angles. Flanking the main transmission grid wall are two 4x3 50" Mitsubishi cube walls. The top row of each 50' wall required fresnel offset, in order to maintain perceived brightness for off-axis viewing. The Gas Pipeline Center included 4x3 50" Mitsubishi wall and the Simulator included three edge-blended three-chip ceiling-mounted Christie projectors and operator-recording technology for instructional playback. All display walls are driven by redundant



display wall processors operating in either the Windows or Linux environments. In all spaces, CriticalSpace Solutions provided supporting audio for audible alarms and video playback. Also provided

were sit/stand consoles. CriticalSpace Solutions provided support to the architect on acoustics, mechanical, electrical (including lighting), furnishings, and storage.

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