



AMEREN

HIGHLIGHTS

Location

Missouri & Illinois, USA

Industry

Utility

Application

Monitoring and control



VIDEO WALLS KEY TO UTILITY OPERATION

With 3.2 million electric and natural gas customers in Missouri and Illinois, Ameren has to be prepared for all kinds of incidents. Up-to-the-minute weather and network status monitoring is therefore a critical business function, and a factor in Ameren's selection of a Clarity video wall for its main network operations center.

Assured monitoring and control of key network elements

The 50 x 50-square-foot Ameren operations center is staffed 24/7 and uses a variety of systems to ensure instant communication with people in the field. Yet, when it comes to monitoring and controlling the myriad of generators and high voltage systems in the company's network, all eyes focus on the large 67-inch Clarity displays surrounding the room.

Long gone is the physical map that had been used to monitor the status of substations, transmission lines and breakers. In its place, the new video wall, connected to Ameren's energy management servers, is updated in real time and depicts network status information every two seconds. The Clarity displays also receive feeds from the weather service which enables center employees to observe large weather fronts as they move in.

Displays readily meet configuration and resolution requirements

Sixteen Clarity 67" displays are currently installed in two separate walls – 30 feet apart – each in 2 x 4 configurations. Ameren selected the Clarity display for its high resolution (1024 x 768), thin screen mullions (.070-inch) and its multi-lamp optical engine, which prevents downtime due to a single lamp failure.