



Customer Success Story

## AmerenUE Callaway Plant Fulton, MO

AmerenUE's Callaway Nuclear Power Plant  
in Fulton, Missouri



Plant Control Room at AmerenUE Callaway Facility

### About AmerenUE

AmerenUE, Missouri's largest electric utility, provides energy services to approximately 1.2 million customers across central and eastern Missouri, including the greater St. Louis area. AmerenUE serves 65 Missouri counties and 500 towns. More than half (55 percent) of AmerenUE's electric customers are located in the St. Louis metropolitan area. Its Callaway Nuclear Power Plant in Fulton has an 1100 megawatt capacity.

### ICONICS Software Deployed

AmerenUE uses ICONICS' GENESIS32 Enterprise Edition HMI/SCADA application; WebHMI™ Web-based, real-time automation software; and the AlarmWorX™32 distributed enterprise-wide alarm and events management system.

*"We are very pleased with the ease of use and wide accessibility that ICONICS software provides. The technical support has also been absolutely outstanding."*

**Robert Kelley**, Chemistry Supervisor  
AmerenUE

### Project Summary

AmerenUE needed a replacement for a legacy solution no longer supported after the year 2000. After careful consideration and evaluation, ICONICS GENESIS32 was selected. GENESIS32 is currently used to provide remote access to inline chemistry analyzer readings (both numerical output and trend graphs). AlarmWorX provides paging alerts to alarm conditions. Currently, all the databases and ICONICS applications are accessible from a single Web page. This removed the database from the plant mainframe (supporting a plant goal of eliminating the mainframe). It also allows for access of live chemistry data to all plant personnel. Prior to this, live chemistry data was only accessible on a few PCs that had the legacy software installed.

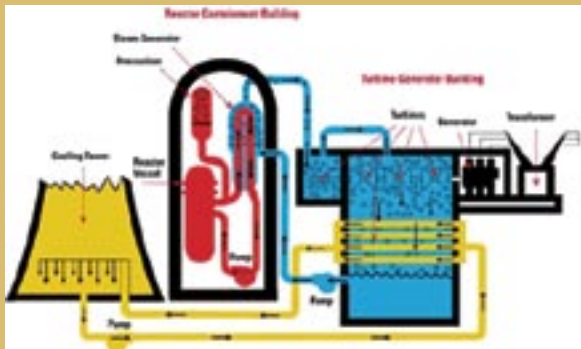
## Key Features

In replacing the existing system, AmerenUE sought specific features for their HMI/SCADA solution, including:

- Access of live data to all personnel on site
- Pager alarm notification to technicians
- Remote accessibility
- Single Web page views

## Conclusion

Set on its mission of providing energy to its million-plus customers, AmerenUE and its Callaway Plant needed a partner to meet its HMI/SCADA needs quickly, seamlessly, and cost-effectively. ICONICS, with its award-winning GENESIS32, fulfilled those needs, fulfilling its promise of “Web automation at your fingertips”.



*Plant Facility Layout*



*Operators at Refueling Machine Controls*

## Benefits of the System

The implementation of ICONICS GENESIS32 system has furthered AmerenUE employees' access and use of its chemistry data. ICONICS had previously been known to AmerenUE solely for its AlarmWorX software. GENESIS32 has met the utility's expectations to the point where they are interested in the suite's expanding capabilities. Integration with AmerenUE's existing systems, including Honeywell Micromax2 controls and Microsoft applications (Windows 2000, Windows 2000 Server, Office 2000, SQL, Access), is seamless. Freed from the mainframe thanks to ICONICS WebHMI, AmerenUE's chemistry technicians are now able to maintain the system remotely.

## Product Highlight

# WebHMI™

**WebHMI** uses Microsoft Internet Explorer to provide a Web browser interface to ICONICS' 32-bit graphics, trending, and alarming applications. WebHMI delivers all necessary components from a centralized Web server for automatic installation to any PC running any browser. There's no need to install any software onto the remote clients or to export or convert displays. WebHMI does all the work.