Mohegan Sun
Uncasville, CT

*Mohegan Sun Casino and Hotel
Uncasville, Connecticut*

A Kitchen Control Panel at Mohegan Sun Casino

About Mohegan Sun

Created by the Mohegan Tribe of Indians of Connecticut, Mohegan Sun is a legendary gaming and entertainment destination, renowned for exceptional service, hospitality and excitement. Featuring an extraordinary Mohegan-themed design unlike any other in the industry, Mohegan Sun is one of the most unique casinos in the world.

ICONICS Software Deployed

Mohegan Sun selected ICONICS GENESIS32™ Web-enabled, OPC-integrated HMI/SCADA suite featuring the GraphWorX™ HMI Graphical Display Package, AlarmWorX™ Alarm Management System and TrendWorX™ Live and Historical Data Logging, Charting and Reporting components.

Project Details

GraphWorX32, a component of GENESIS32, monitors the status of these areas, as well as the chillers, boilers, and other behind-the-scene systems.

The system uses approximately 250 VAV boxes, about 60 air handling units (AHUs), 30 exhaust fans, a dozen fan coil units, and a host of temperature and humidity readings.

An interesting aspect of this project is the AHUs deployed for the arena. There are four fans moving 200,000 cubic feet per minute of air. Normally these are used to air condition the facility for spectators. However, in case of a fire, the smoke detector system puts these AHUs into "Smoke Mode". Instead of bringing air into the arena, dampers change and these pull the smoke out of the area, making it easier for firefighters to enter the building.

The custom graphic interface that can be developed by using GraphWorX32 gives more knowledge to the user/operator, thus creating an environment for success.

Benefits of the System

Mohegan Sun was able to go beyond just text-based information for operator interactions with the ICONICS-based system. Using this powerful visualization, based on GENESIS32, operators can now visualize the equipment and its operating conditions.

The system follows a "Web-based" look and feel, providing users with an instant understanding of how to navigate through the system. Many have commented on how easy it is to manage the environment.

Conclusion

This facility may include a world-class casino, but the customer did not want to gamble on the comfort of their guests. That's why ICONICS GENESIS32 visualization software is at the core of this application that monitors and controls the entire complex.
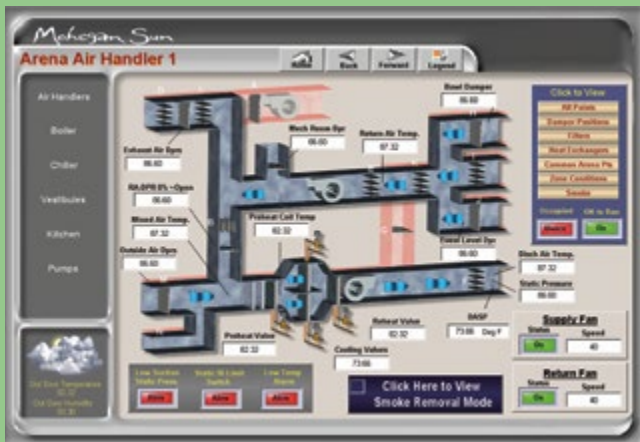
Deploying state-of-the-art alarming and graphics using AlarmWorX32 and GraphWorX32 provided a "best in class" system for this high-profile project. While your luck at the gaming tables may vary, the management system running this fabulous destination is a sure bet.
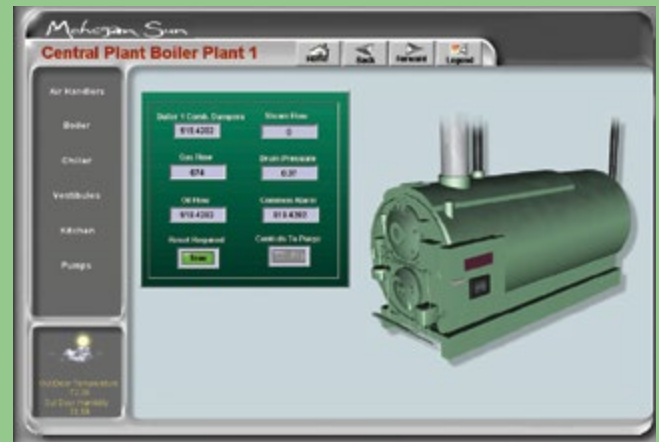
Case Study Details

Mohegan Sun uses ICONICS to monitor and control:
- 60 air handling units
  (In the arena, 4 AHUs move 200,000 cubic feet of air per minute)
- 250 variable air volume devices
- 30 exhaust fans

Air Handling Control System inside Mohegan Sun's Arena

Boiler Plant Control

Case Study Details

Mohegan Sun's grounds include:
- A 34-story hotel featuring 1,176 luxury guest rooms
- 300,000 square feet of gaming excitement
- Thirty-two different dining options
- Over thirty fine shops and boutiques
- A performance theatre and arena
- The Sky Dome - the world's largest, most spectacular planetarium dome, which bathes the casino in an ever-changing display of sparkling constellations

Solutions Highlighted

GraphWorX
HMI Graphical Display Package

AlarmWorX
Multimedia OPC Alarm Management Software

TrendWorX
Data Logging, Carting and Reporting Software

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