



Success Story

ICONICS · 100 Foxborough Blvd. · Foxborough, MA 02035 · 508.543.8600 · www.iconics.com



Phoenix Sky Harbor
INTERNATIONAL AIRPORT

Industry: Airport

**Customer: Sky Harbor International Airport
Phoenix, Arizona**



Sky Harbor Airport

The Sky Harbor Airport in Phoenix, Arizona is the fifth busiest airport in the world. In 2003 Sky Harbor handled 37.4 million passengers. On an average day 100,000 passengers arrive and depart from Sky Harbor. More than 1,700 aircraft arrive and depart daily from Sky Harbor, making this airport a world-class operation. Next time you visit Phoenix or pass through the airport, you will be staying cool with an HVAC system controlled by ICONICS software.

ICONICS Software Deployed

GENESIS32™, along with AlarmWorX™32 Multimedia, is used to monitor and control multiple water-chilling plants that are responsible for keeping all three terminals in the Sky Harbor Airport cool. GraphWorX™32 is used to provide a rich visualization for maintenance managers and others needing access to the HVAC network. AlarmWorX32 Multimedia is used to distribute alarms and events to the appropriate people anytime, anywhere.



Water Chiller

Key Features

This control application installed at the Sky Harbor Airport is comprised of some very high-end, state-of-the-art graphics that were created with the GraphWorX32 application. The major benefits of the system are the ability to log historical data and to create custom reports with the ICONICS ReportWorX™ product. Since ReportWorX is based on Microsoft's .NET technology, the installation and setup were very easy. With ReportWorX users are able to data-mine several different data sources and create reusable reports.



Chiller Starter Display

The GENESIS32 system interfaces with a York OPC-based BAS system and interfaces with York's Facility Manager application. The ease of use found in the ICONICS OPC-To-The-Core™ software made this integration seamless.

Project Summary



The application's system integration was completed in only a few short months by York International. ICONICS software was selected for its ease of use, and this was experienced first hand during the implementation process. The OPC connectivity and flexibility found with creating the graphics were an enormous benefit for Sky Harbor.

Details

The entire application has over 4,000 I/O points that are monitored and controlled. The OPC connectivity to the York OPC BAS system provides system wide-open connectivity. The system is connected via a site-wide LAN that is maintained by the Sky Harbor maintenance team. This LAN connectivity is responsible for the distribution of alarms and reports. Four Industrial Flat Panels provide the view into the system.

Benefits of the System

ICONICS software was selected for this application due to the open, modular architecture of GENESIS32 along with the connectivity provided via OPC. ICONICS, having the breath of products such as Pocket GENESIS, ReportWorX, and AlarmWorX32 Multimedia, provides Sky Harbor with a robust common software architecture for the future.

Conclusion

With the Sky Harbor Airport continuing to grow ICONICS has provided it with a system that can be expanded as the airport grows. Having an HVAC system based on open standards and cutting-edge technology is very important to Sky Harbor.

Future expansion of this application includes the use of ICONICS Pocket GENESIS™ software deployed on Compaq iPAQs. With Pocket GENESIS maintenance technicians will be able to monitor, control, acknowledge alarms, and execute and view reports via wireless PDAs. Having the maintenance technicians staying connected with wireless PDAs running Pocket GENESIS will keep information flowing in real-time. Other projects, including a baggage-handling system, are already planned.



Cooling Towers

