

Congress Center Austria Center Vienna (ACV)



Vienna, Austria



Exterior View of the Congress Center Austria Center Vienna (ACV)

About Congress Center Austria Center Vienna (ACV)

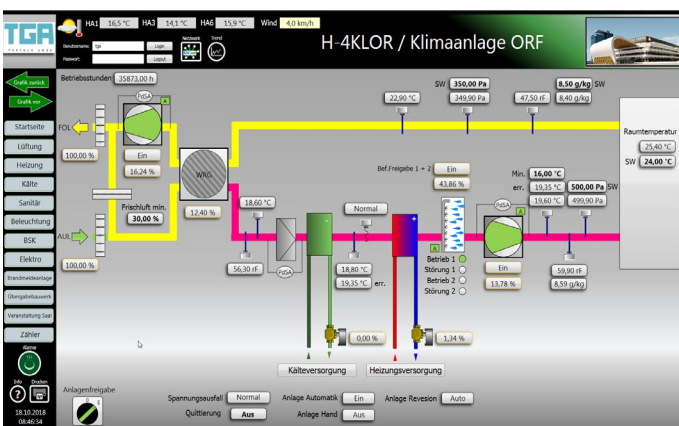
The Congress Center Austria Center Vienna (ACV) (www.acv.at) in Vienna, Austria, is the only congress center in the world directly connected to one of the United Nations organization's four headquarters. As the largest conference center in Austria, the Austria Center Vienna can accommodate up to 20,000 people. The ACV has 24 halls that can handle between 100 to 4,320 people, 11 floors, 180 meeting rooms, and 22,000 square meters of exhibition space. Opened in 1987, the convention center is visited by around 91,000 international guests annually.

ICONICS Software Deployed

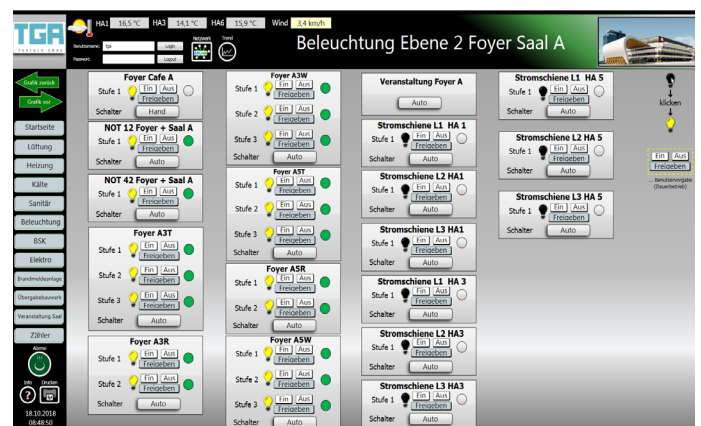
The Congress Center Austria Center Vienna, working with system integrator TGA (www.tga-partner.at), selected ICONICS' GENESIS64™ building automation and HMI/SCADA software suite.

Project Summary

In early 2018, the operators of the Austria Center Vienna were considering their building control options, paying particular attention to the building's security, lighting, blinds, heating, and ventilation. The ACV, working with system integrator TGA, decided upon ICONICS GENESIS64 building automation software, which is BACnet Advanced Workstation (AWS) certified. GENESIS64 was installed on two of the ACV's servers, with the second server in cold standby. Five clients currently access the server software, which is set up in a virtual environment. There, 15,000 data points are processed, of which about 7,000 are active data points. All devices are now switched via BACnet. For the monthly consumption evaluations, 100 energy meters with M-Bus (Meter-Bus; used for remote reading of gas or electricity meters) are additionally provided for energy-relevant evaluations via a BACnet gateway.



An ACV HVAC Monitoring/Control Screen Provided by ICONICS



ACV's Lighting Controls UI in GENESIS64

The Austria Center Vienna is no stranger to technological improvements. The facility provides a high availability Wi-Fi infrastructure for 20,000 people with over 35,000 simultaneous connections for all devices. There are over 1,500 permanently cabled LAN connections (each 1GB/s) throughout its offices and meeting rooms, as well as 40 gigabit backbone lines and 102 HD access points throughout the main building and exhibition halls. ACV is also dedicated to high IT security standards, with a range of security features including authentication algorithms (802.1x) that can be installed for occupants/attendees on request. Considering these technology investments, it made sense for ACV executives and operators to seek a building automation software supplier with the same dedication to wide data connectivity, security and ease of use.

ICONICS' building automation software solutions integrate HVAC, lighting, energy management, security, fire safety, elevators, people movers, and other building operations into a single, unified interface. ICONICS software provides comprehensive data visualization, trending, fault detection, analytics, mobile access and more for building managers, facility operators, and maintenance personnel. ICONICS' BACnet compatibility ensures integration with most existing building systems through simple installation, without requiring new hardware.

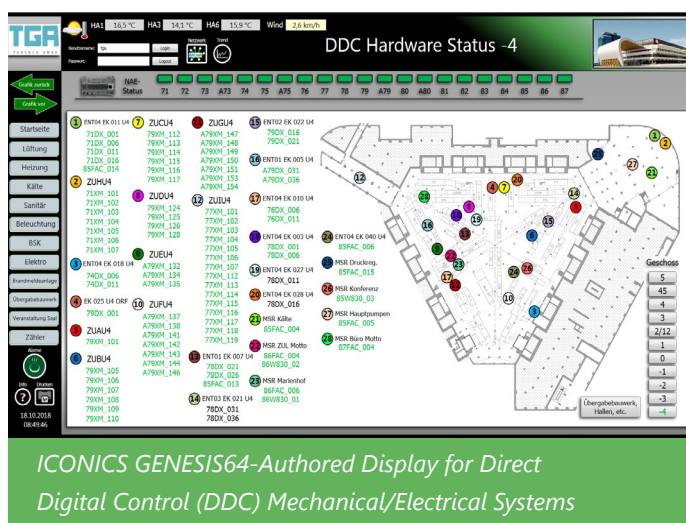
Benefits of the System

The building operator, IAKW-AG (International Headquarters and Conference Center Vienna, stock corporation), selected ICONICS GENESIS64 due to the functionality, compatibility,

and flexibility in design it provides; all without requiring any major equipment upgrades. Easy implementation and rapid migration helped to successfully complete the project. Using ICONICS software, the development costs were significantly reduced, and the project implemented quickly. According to ACV staff, working with ICONICS was straightforward and much easier than they had anticipated, considering the size of the project. The ICONICS software worked flawlessly right away throughout the six month implementation phase and only minor adjustments, such as to the graphics, have been made since then.

Conclusion

With the Austria Center Vienna's new GENESIS64 installation, new devices could be connected via BACnet that were never connected before. In addition, thanks to the new software, the site's energy monitoring and analysis will be further expanded. Now that Austria has taken over the Presidency of the Council of the European Union (EU), the ACV will be pushed further than it ever has before. Further expansion projects are planned for the building, and now that Austria Center Vienna has had a chance to see their new automation systems in action, ICONICS will be considered as a future partner.



ICONICS GENESIS64- Authored Display for Direct Digital Control (DDC) Mechanical/Electrical Systems



Event Attendees in One of the ACV's Multiple Meeting Spaces