



Outside of Ondrej Nepela Stadium



Customer Success Story

Ondrej Nepela
Bratislava, Slovakia



Ondrej Nepela Ice Rink Monitoring Display

About Ondrej Nepela Stadium Ice Rink

The Ondrej Nepela Stadium ice rink in Bratislava, Slovakia, near the edge of the Carpathian mountain range, held the International Ice Hockey Federation (IIHF) Ice Hockey World Championship in 2011 and is one of the world's most modern ice hockey facilities. Nicknamed the "Orange Arena" for its brightly colored staircases, the Ondrej Nepela Stadium is the oldest hockey arena in Slovakia, with a history that stretches back to the 19th century. Located in Slovakia's capital city, the ice rink lies near the famous Danube River and makes for a scenic and historical locale.

ICONICS Software Deployed

The newly retrofitted arena now has a main rink with two training areas and a 9,766 person capacity. The old

Building Management System, installed by SAUTER for Ondrej Nepela, was unable to keep up with the needs of the ice rink. To make necessary improvements, Ondrej Nepela, with the help of systems integrator Cofely, implemented ICONICS GENESIS32™ HMI/SCADA and AlarmWorX™32 Multimedia software to monitor and control the following:

- Air handling system (HVAC) including fan coils, VAV boxes and a heat exchange station
- Rink cooling technology
- Emax Management System
- Skylights

Project Summary

Using ICONICS software, Ondrej Nepela had an increase in manageability as well as in energy efficiency. With nearly 4,000 data points interfaced, Ondrej Nepela can monitor every facet of the ice rink in real time, knowing that all data and alarms are being recorded historically so that trends can be viewed and analyzed. Using ICONICS ScheduleWorX™32, over a hundred defined schedules are executed. With this introduction came a new vision for the ice rink, as it now includes Fault Detection, Alarming and Central Controlling. Fault Detection Diagnostics (FDD) has revolutionized how the ice rink operates. Instead of waiting for something to break or become a serious threat or problem, now the operators are alerted to all potential threats and can remedy them before they become a debilitating issue. With AlarmWorX32, the ice rink has access to visualization of all points associated with an alarm. It tracks histories and includes the essential alarm trending for better understanding of fault causes.

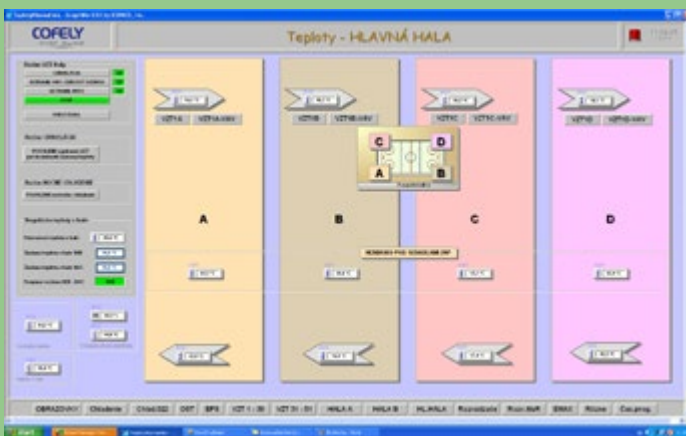
Benefits of the System

Ondrej Nepela is particularly pleased with ICONICS software's excellent graphics, tools for automatic data processing, ease of engineering through the use of aliases and the open connectivity. They are also very glad that ICONICS software features modularity, as this allows them many options moving forward. Thanks to the newly implemented ICONICS system, the Ondrej Nepela project is easier to monitor and control. Energy efficiency and plant manageability have both increased and the stadium looks to have an even longer history ahead of it.

Characteristics of the System

The Ondrej Nepela Stadium Ice Rink Project is comprised of several different aspects:

- 130 DDC Controllers connected to the BMS computer
- 3,897 Data Points
- 1,039 Monitored Alarms
- 342 Trends and Historical Records
- 134 Defined Schedules through ScheduleWorX32



GENESIS32 Display for Ondrej Nepela



Ondrej Nepela Ice Rink Alarm Monitoring

Conclusion

With the ICONICS HMI/SCADA Building Management software system including GENESIS32 and AlarmWorX32 Multimedia, the "Orange Arena" operators have seen great improvements in manageability, operability and overall efficiency and new benefits are realized every day. The home rink for HC Slovan Bratislava can now continue setting ice hockey records knowing that the rink is safe, secure and in good hands.

Exceptional Features of GENESIS32

- Excellent Graphics
- Tools for Automatic Data-processing
- Use Aliases
- Modularity
- Open Connectivity