

Design and Construction Technology

Webcams and Interactive Apps

Remote project management just got a little easier with the development of applications that allow users to view and control project site web cameras from an Android, iPad, iPhone or iPod touch device

With the web cam Control Center 7 app from EarthCam, users can remotely operate the pan, tilt, zoom controls, access presets and view any archived images from a graphical calendar interface. Using the device's built-in camera, owners or project team members can take pictures and videos from project sites and automatically upload them into EarthCam's online system and share progress and comments with other team members.

Control Center 7 includes a number of other features including the ability to customize the Control Center 7 dashboard to fit a unique corporate appearance, image archiving, as well as image retrieval and sharing. The dashboard includes tools to monitor every construction camera's connection speed, solar power status, battery charge and weather data or view the camera's position



on Google maps. Another beneficial feature lets users check the current weather, track rain days and view a 48-hour forecast. Local conditions are continuously updated per the National Weather Service satellite, radar mapping and severe weather warnings. ■

Enterprise-Wide Digital Tracking

The \$83.1-million Immanuel Medical Center renovation and expansion project in Omaha, Neb., will ease patient access, modernize facilities and add a technological edge. The effort focused on updates to the emergency department, a new rehabilitation center



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Construction Software & Services



connected to the Medical Center, upgraded inpatient rooms and healing environments.

Falewitch Construction Services, a commercial construction company in exterior and interior wall and ceiling systems, was tasked with performing the exterior metal stud framing and insulation finishing systems, insulation/vapor barriers, interior framing, drywall, drywall finishing and acoustical ceilings for the project.

To keep the 30-month project on track during construction, Falewitch looked to digitally connect and track in near real-time construction activities with design concepts using Digital Production Control™ software from On Center Software.

The company used the project-tracking software to monitor roped areas on a daily or even hourly basis, identify estimated hours by code of time remaining for each specific area, set completion goals and determine the most efficient crew sizes based on scheduled durations.

Mike McCormack, the company's director of estimating, says, "This powerful program gives us the ability to recognize labor production problems instantly rather than at the end of a job where overruns can be more costly." ■