

CASE STUDY



OVERVIEW

Volpatt Construction, one of Western Pennsylvania's most respected contractors, was renovating a 40,000-square-foot public terrace at the David L. Lawrence Convention Center that doubles as a flat roof.

It has been plagued by "water infiltration issues" for years, causing rain water to seep into public concourses and common areas within the convention center itself, said Mary Conturo, SEA executive director.

The Sports & Exhibition Authority has spent money in the past making repairs to the terrace to stop the leaks, but it has been advised by engineering consultant Wiss, Janney, Elstner Associates Inc. that doing so is no longer practical.

"It's to the point where it makes more sense to replace it than to spend more money to try to repair it," Ms. Conturo said.

Volpatt Construction saved 20% on Workmans Comp insurance by using this technology

"It was leaking in spots. We kept repairing it, but it's gotten to the point where we needed to replace it," added state Sen. Wayne Fontana, SEA board chairman. The fourth-floor terrace is one of several flat roofs at the convention center that have been a source of leaks since the \$373 million venue opened its doors in 2003.



Connect Up brings both safety and innovation to the construction industry and is helping to redefine the way we optimize our workforce and reduce our incident rates. The technology not only differentiates what we bring to every project, it positively impacts the rates we pay for insurance. In addition, the data we're collecting is helping us modify how we staff projects which is saving both time and money.

Raymond Volpatt Jr.

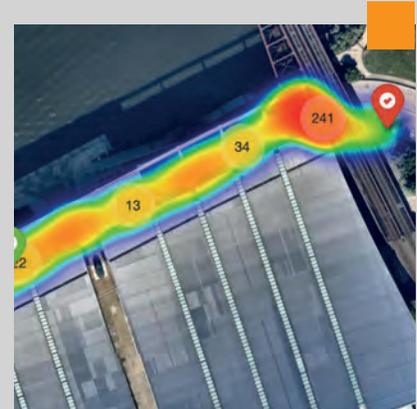


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BACKGROUND

The team at Volpatt Construction understands that its most valuable asset is the people that make up the company's workforce. With this in mind, they've committed to maintaining a working environment that is free from conditions that may be detrimental to employee's health and to comply with all regulations set forth by OSHA as they pertain to the industry.

To enhance their safety program they partnered with Connect Up Technologies to provide the workforce with wearable technology designed for high risk industries. These wearable devices coupled with bluetooth beacons added a layer of protection to the rooftop that is critical in maintaining a safe environment for the on site team.

CHALLENGES

Volpatt Construction had several challenges on this project. First and foremost was the danger of working on a rooftop with its perimeter protection removed. The only access to the site was a tight scaffold ramp on the north east side of the building.

- ✔️ **Proximity Sensors** placed around the rooftop to alert workers of PPE zone.
- ✔️ **Slip, Trip, and Fall Detection** for workers.
- ✔️ **Digital Huddle** and Safety procedures pushed to workforce.
- ✔️ **Check In/Out Feature** with heatmaps of workforce locations.
- ✔️ **Geofenced Hazard Zones** around the rooftop and worksite.

Connect Up Technologies provided our workforce with wearable technology that strengthens our safety program and our bottom line.

SOLUTION

🗨️ Connect Up's safety solution solved all of the challenges that Volpatt had on this worksite.

In addition, the technology was able to detect an accident and notify the supervisors and owners at the moment of the incident.