

CONSTRUCTION MANAGEMENT

Turner providing area facilities with temperature tech *System can safely capture temperatures of people entering a facility while keeping distance*

Turner Electrical Services LLC, a Toledo-based company, is working with facilities to assist in taking temperatures of employees and visitors using infrared video and facial recognition software.

According to Chad Turner, president, Turner Electrical, with the current pandemic crisis, everyone is trying to keep things moving forward while being proactive about the safety of employees and the general public.

"A system that can safely capture the temperature of people entering a facility – while maintaining a safe distance – is very beneficial to continuing operations while keeping a safe environment for everyone nearby," said Turner. "This technology is new to the market but has been going through engineering and testing for a few years. These systems have been installed overseas for months now, but are new to our market."

According to Turner, the company is working with a number of facilities throughout the region to provide this technology. The



company has been in discussions with multiple healthcare and industrial facilities, as well as many school districts.

"Currently we are working with a number of facilities throughout northern Ohio and southern Michigan. We are getting new

inquiries daily since both the White House and Ohio Governor Mike DeWine have released their latest guidelines for re-opening businesses. Those guidelines include temperature monitoring of employees and visitors for all businesses in all phases of re-

opening," said Turner.

Turner noted that this solution drastically helps reduce personnel at each entry point of a facility. It also completely removes the risk of needing to be in close proximity of students, employees, visitors, or patients entering a facility. This also has advantages for facilities such as schools, daycare, and medical facilities in screening for possible fevers from things such as the seasonal flu.

"Any establishment that has constant traffic flow, highly populated areas, or large gatherings will benefit from this technology. Healthcare and assisted living facilities, as well as K-12, daycare, manufacturing, correctional facilities, sporting venues, hotels, or movie theaters are just a few examples of businesses that could greatly protect the safety of anyone entering their building," said Turner. "This solution assists facilities in preserving difficult to find PPE, while maintaining a safe physical social distance from (...continued on page 10)"

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ODRC project moving forward; finding new efficiencies

Virtual pre-bid process due to COVID-19 helped keep the ODRC's project on schedule

The Ohio Department of Rehabilitation and Correction (ODRC) and the jdi group (jdi), architects and engineers from Maumee, are moving forward with a project at the site of the Toledo Correctional Institute. In recent weeks, the team adapted to meet the realities of COVID-19, such as limiting the number of people gathered for the pre-bid meeting.

As jdi transitioned to working remotely, the pre-bid neared for the 26,000 square foot addition to the Lucas County Correctional Treatment Facility (CTF). This minimum security facility currently houses men with a focus on programming, education, and treatment.

The project brings a 48-bed women's unit on-site with the existing men's unit. Staff will also relocate to this site, centralizing operations, according to officials. Improved



Rendering of the addition to the Lucas County Correctional Treatment Facility

administrative areas include the security control room and case management areas, and an expanded health clinic and intake area with dedicated holding cells will help normalize care for clients. Support spaces include six new program rooms and an after-care area for graduates who return for weekly

programming. The DLR Group provided correction center design expertise.

Exposure concerns from COVID-19 threatened to cancel the contractor's pre-bid meeting. To avoid bringing together a large group of people, jdi and the Ohio Facilities Construction Commission (OFCC) arranged a virtual meeting with contractors. Using video conferencing software, contractors engaged with on-site representatives for a virtual discussion. "We were able to respond immediately to requests for photographs of specific areas as well as dimensions," explained Karen Walker, AIA, LEED AP BD+C, lead architect with jdi.

"We utilized the chat feature quite a bit, so attendees could quickly and easily identify themselves without taking up a lot of meeting time. We also used it to post important email addresses and to respond to attendees' questions," said Sarah Penner, PMP, senior

project manager at jdi.

jdi recorded the meeting and posted it along with notes and photographs, allowing contractors who couldn't attend to view the meeting later.

"From OFCC's perspective, the pre-bid meeting went great and was better than we anticipated in its reception and engagement. It appears that numerous questions and comments resulted from the meeting, and of course that is always the desired outcome of a pre-bid meeting," said Steve Davis, project manager with OFCC. More than 25 different parties joined the pre-bid call including general contractors, subcontractors, and equipment vendors.

"It is always good to find positive take-aways from difficult situations, and OFCC is learning new ways to conduct business effectively and virtually during these unprecedented times," said Davis.

The virtual pre-bid could inspire future applications for other types of clients. Any site with security concerns could benefit, ranging from K-12 schools wanting to limit visitor access to a campus of students or a manufacturing facility with a confidential product. The video-based format gives the owner control of what potential contractors see.

OFCC opened bids on Friday, April 10. Construction is scheduled to begin in late summer 2020.

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the person that they are taking the temperature of. This also allows for minimum use of personnel.

According to Turner, temperature screening with thermal imaging is a faster, more sanitary way to identify a person in a large group with a fever. Screening

areas at airports employ thermography tools to monitor large groups of passengers for possible symptoms.

Some of the benefits to this technology include non-contact automatic temperature measurement; accurate, fast, and multi-person detection; recording abnormal temperature information automatically; capturing person's identity automatically; compliance with current State guidelines for employee and visitor temperature

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COVID-19 impacts on the construction industry



Information provided by Bruce Douglas, PMP, PMI-SP, LEED AP BD+C, senior project manager, The Douglas Company.

The COVID-19 pandemic has the spotlight of construction industry news across the country right now. Rightfully so, as it has been extremely disruptive to developers, contractors, and suppliers alike. While there is great debate on how to address the spread of the disease, all of us in the architecture, engineering, and construction (AEC) industry are trying to determine what we should be paying attention to. For those involved in a large construction project presently, no matter what role, it is suggested to think about a few things:

Safety Measures – By now, most of us are familiar with the term “social distancing” and the importance of handwashing, but there

is more than that. The Occupational Safety and Health Administration (OSHA) has devoted a separate webpage for the standards from 29 Code of Federal Regulations (CFR) that apply to this outbreak and reminded us that this is a recordable event. Do not count on anyone to provide these measures (measurements) for you or your associates, take responsibility for them yourself just like you would your own personal protective equipment (PPE). To view the OSHA COVID-19 webpage, go to <https://www.osha.gov/SLTC/covid-19/standards.html>

Essential versus non-essential – As State and local governments make decisions on restricting certain businesses and even issuing “stay-at-home” or “shelter-in-place” orders, pay attention to where construction falls in the fine print of each order. There are states with “stay-at-home” orders that allow construction to continue as an “essential” business and others that do not and consider it “non-essential.” The Associated General Contractors of America (AGC) is actively campaigning for clarity on these issues in each jurisdiction. You can stay up-to-date with their efforts at <https://www.agc.org/coronavirus-covid-19>

Documentation – The impacts of COVID-19 are hard to quantify at this point. Make sure you are having open conversations about the effects the project is experiencing – at the developer to contractor, contractor to subcontractor, and subcontractor to supplier levels. Develop ways of monitoring and

documenting what has happened so it can better be understood when the pandemic is under control. The Douglas Company, for example, has been monitoring and reporting manpower daily to our clients.

Plan for the worst, hope for the best – In uncertain times like these, it is essential to have procedures in place for every possibility. The Douglas Company has already developed job-specific plans for our work across the country to support the recommended safety measures and continue working, but also plans to be prepared in the event of a sudden government-ordered shutdown. These have already been necessary in the state of Michigan, where we were given only 13 hours to close up and stop work.

News continues to develop daily across the country for our industry. Industry news site Construction Dive has developed a very useful webpage to round up news applicable to the construction industry on a daily basis, check it out here: <https://www.construction-dive.com/news/covid-19-construction-dives-daily-news-and-resource-tracker/574130/>

We stand with the rest of the world hoping this terrible virus is controlled quickly, and the impacts are minimized. Until then, by paying attention to these suggestions, we are able to press ahead for our clients and continue to work on many of our sites. The impacts of this pandemic on our industry may not be completely clear for some time. Still, one thing we know for sure and take very seriously at The Douglas Company is that we

have a critical role in finding ways to help contribute to our client's success by keeping work moving even in uncertain times like these.

Disclaimer: At the date of publication, the above information was correct. COVID-19 is a rapidly evolving situation, and the information above may have changed since publication. The Douglas Company should not be considered a source for medical advice or expertise.

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measurement; high-efficiency; automatic early warning system to reduce risk; application to small scenes like entrances and exits; and application to large scenes with dense populations.

Turner Electrical also provides AU-TOCALL fire alarm systems, as well as intrusion, surveillance, DAS, data infrastructure, and central station monitoring, noted Turner, and the company provides services throughout Ohio, Michigan, and Indiana.

“We maintain and service many businesses in the Toledo area including Toledo Refining Company, Mercy Health Group, St. Luke's Hospital, (...continued on page 14)



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UToledo set for \$3M phase I project

The University of Toledo (UToledo) is planning to invest \$3 million in the physical plant that supports the College of Engineering. According to Jason Toth, senior associate vice president, administration, UToledo, as detailed in the university's Multiple Campus Master Plan, the high bay portion of the North Engineering Building is being renovated to support classroom and computing laboratory space for the college. The current project is phase I of an overall three-phase project.

The entire North Engineering building is over 250,000 square feet, however, the project area is approximately a fifth of this size. Champlin Architecture, headquartered in Cincinnati, is the architect for the project and The Spieker Co., based in Perrysburg, is the general contractor.

"Phase I of the project is focused on the demolition of the current space and the installation of a new building envelope system to enclose the facility in preparation for subsequent phases," said Toth. "Phase II of the project is intended to be the interior structural modifications and utility infrastructure. Currently, the space is a high bay, which has approximately a two-and-a-half story height, yet does not have a second floor structure. We look to create the same within the building to provide usable square footage within the building footprint. Phase III would be what

we call the tenant upfit or interior buildout of the classroom and teaching lab spaces inside the building."

Toth explained that the energy efficiency of the building will be greatly improved with the work that is being completed on the building envelope in the first phase.

"The existing façade was made up of mostly single pane glass and un-insulated corrugated metal panels. The new enclosure will include a fully insulated system with increased R values to greatly improve the energy performance of the building," explained Toth.

UToledo, according to Toth, anticipates that renovation will have a major impact on both the College of Engineering and the university when completed. He also noted that the driving factor behind the project is to provide quality learning environments for the students of the university.

"Historically the building has been used largely for storage along with some instruction and lab space. Following this phase and subsequent phases, it will become the main classroom and computing lab space for the College of Engineering," said Toth.

UToledo recently revealed to *Toledo Business Journal* that it is planning to invest \$3.5 million to renovate and repurpose the 38,675 square foot Driscoll Center for beneficial use following the relocation of the University of Toledo Foundation and Alumni Association to the Center for Alumni and Donor Engagement building on Dorr Street.

According to Toth, the Driscoll Center – following the completion of renovations – will be utilized as a classroom facility to support the Toledo Early College program that is sponsored by the partnership between UToledo and Toledo Public Schools (TPS).

The target construction timeframe for the Driscoll Center project is March through July 2020.

Turner

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MGM Grand Detroit, Penta Career Center, Franklin Park Mall, Marathon Petroleum, Asama Coldwater Manufacturing, Johns Manville, and many more," said Turner.

The company serves a range of markets, including but not limited commercial, industrial, healthcare, manufacturing, educational campuses, and entertainment facilities.

The company currently has around 50 employees, and according to Turner, its current technicians have the experience and knowledge to install and perform user training for the temperature sensing system.

"The customers' understanding of how to operate each system we install is the most important detail of our work. We have built strong relationships with our customers throughout the years and take pride in making sure our customers' facilities are operating correctly and safely at all times. From electrical to low voltage and life safety systems, our goal is to build trust through our quality installations while staying within budget," said Turner.



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