

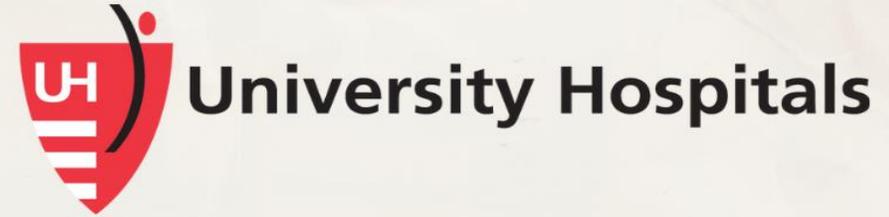
Lake County Safety Council
Thursday, December 15 Meeting



***Emerging Safety Technology – Virtual Design
Construction (VDC) & Drone Safety Applications***

*Scott Cole, CSP, SMS, CHST, Business Unit EHS Director,
Turner Construction*

Mentor Area Chamber of Commerce 2022 Platinum Partnerships



Lake County Safety Council

Monthly Meeting Schedule

~~Thursday, July 21~~

~~Thursday, August 18~~

~~Thursday, September 15~~

~~Thursday, October 20~~

~~Thursday, November 17~~

~~Thursday, December 15~~

Thursday, January 19



LAKE COUNTY

SAFETY COUNCIL

Working Towards A Safer Workplace

Event Sponsor



***HZW Environmental
Consultants***

Event Sponsor



Cintas Corporation

Event Sponsor



UH Employer Solutions





Holiday Hours:

Occupational Services at Chardon, Mentor and Willowick will be closed Monday, December 26, 2022 and Monday, January 2, 2023 in observance of the holidays.

Urgent Care Centers will be closed on Christmas Day and New Years Day. They will reopen on December 26, 2022 and January 2, 2023. Emergency Rooms will be open 24/7.

Physical scheduling – call (855) 525-3622

Worker Compensation – initial injury is a walk-in service. If you require post-accident testing, please make sure we have your current Designated Employer Representative (DER) on your account for reporting drug and alcohol testing.

Reminder:

OSHA did not defer during Covid-19 pandemic annual OSHA audio testing/training for employers with OSHA Hearing Conservation Programs.

OSHA did not defer during Covid-19 pandemic Respirator Medical Clearance and Respirator FIT testing for individuals.

UH Occupational Services



UH Occupational Services provides Supervisor Reasonable Suspicion Training and Drug Free Workplace Program Supervisor and Employee training. Contact Chris or Seth to set up dates for your company.

Is your account current for designated contacts?

- Do you have the correct staff listed on your client profile?
- **In order to obtain access, each person authorized to view employee results needs to sign the Agreement - [iSystoc User Agreement](#).**

If you need to set up your web portal access or update your account, please contact Chris Brill-Packard at (440) 479-8644 or via email: Christine.Brill-Packard@UHhospitals.org or Seth Baumberger via email: Seth.Baumberger@UHhospitals.org

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Private Employers Important Dates

- No upcoming dates

Public Employers Important Dates

Dec. 21

- First installment due

Dec. 31

- ISSP and PAR activities completion deadline

Jan. 1

- Payroll true-up begins

Grants Program

Funding opportunities are once again available for four of our special safety grant programs.

- [Trench Safety Grant](#). Available only to Ohio employers that perform trenching and excavating.
- [Firefighter Exposure to Environmental Elements Grant](#) combats firefighter cancer risk.
- [Employers Working with Persons with Developmental Disabilities Grant](#) assists Ohio employers with ensuring the safety of their staff when carrying out the services they provide to developmentally disabled children and adults.
- [School Safety and Security Grant](#) provides assistance to Ohio employers with ensuring the safety of their staff who instruct children throughout the state.

Grants Programs cont'd.

Safety Intervention Grants Program

- Purchase equipment to eliminate or significantly reduce hazards in the workplace.
 - ~ 3:1 match up to \$40,000
 - ~ Renewable every 3 years
 - ~ One year case study/annual report
 - ~ In business for one year

Safety Intervention Grants Program

Fast Track Items

- Bathing systems
- Cable pulling equipment
- Chest compression systems
- Conduit bending equipment
- Cot loading equipment
- Electric beds
- Extrication equipment
- Floor cleaning equipment
- Flooring or floor treatments
- Hose reel equipment
- Lift gates
- Lift tables
- Mulch dispensing equipment
- Patient lifting devices
- Patient stair chairs
- Portable traffic signals
- Powered pallet jacks
- Saws with presence sensing technology
- Scissor lifts, vertical mast lifts
- Snow removal equipment
- Truck tarping systems
- Vacuum lifts

Safety Intervention Grants Program

Items Not Eligible

- Equipment primarily necessary for the business (e.g., forklift).
- Items that are not engineering controls (e.g., PPE).
- Items that don't directly reduce workplace risk factors (e.g., lighting).
- Other items outside the scope of the program (e.g., insurance).
- Equipment intended to meet minimum OSHA compliance, including basic machine guarding devices and equipment, standard guardrailing systems, etc.

BWC Monthly Employer Webinars

The December webinar will include:

- Successorship basics and updates when buying/selling a business
- Claims subrogation
- Important dates
- Monthly safety topic

Next webinar: 1:30 p.m. Tuesday, Dec. 6

11:30 a.m. Thursday, Dec. 15

BWC Safety Webinars

- Safety Regulations, Standards, and Search Tricks Dec. 13
- PERRP Recordkeeping Dec. 20

BWC DSH Virtual Training

- Hazardous Waste Op's and Emergency Response
Series Module 2: Chemical and Toxicological Terminology Dec. 5
- Job Safety Analysis Half-day Dec. 8
- Respirators: Do We Need Them? Dec. 13
- OSHA Recordkeeping Half-day Workshop Dec. 15
- Hazardous Waste Operations and Emergency Response
Series Module 3: Respiratory Protection and PPE Dec. 19

Additional training classes @ www.bwc.ohio.gov

In-Person Safety Training

- OSHA Recordkeeping Youngstown

Dec. 14

Division of Safety & Hygiene Consulting Services

- Review of safety programs/policies
- Assistance with training content or programs
- Assessment of specific operations or tasks

Safety Consultants

Ergonomists

Industrial Hygienists

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Turner Construction*

Emerging Safety Technology

Developed and Presented

by Scott Cole

216-318-3878

Safety Technologies

- Lone Worker Monitoring
- Access Control
- VR / AR / AI
- BIM / VDC
- Proximity Sensing
- Geofencing
- Work Zone Intrusion
- Vital Sign Monitoring
- Drones

Lone Worker Monitoring

- Direct-to-cloud data streaming for real-time visibility
- Reliable cellular, or optional satellite, connectivity in even the most remote locations
- Integrated location technology
- Two-way voice communication
- SOS to trigger emergency response
- Automated missed check-in notifications
- Fall and no motion detection

Strongarm Photo



Access Control

- Temperature Detection
- Facial Recognition
- Card Access



Virtual Reality (VR)

- Orientation
- Training



Augmented Reality (AR)



Artificial Intelligence (AI)



Artificial Intelligence (AI)

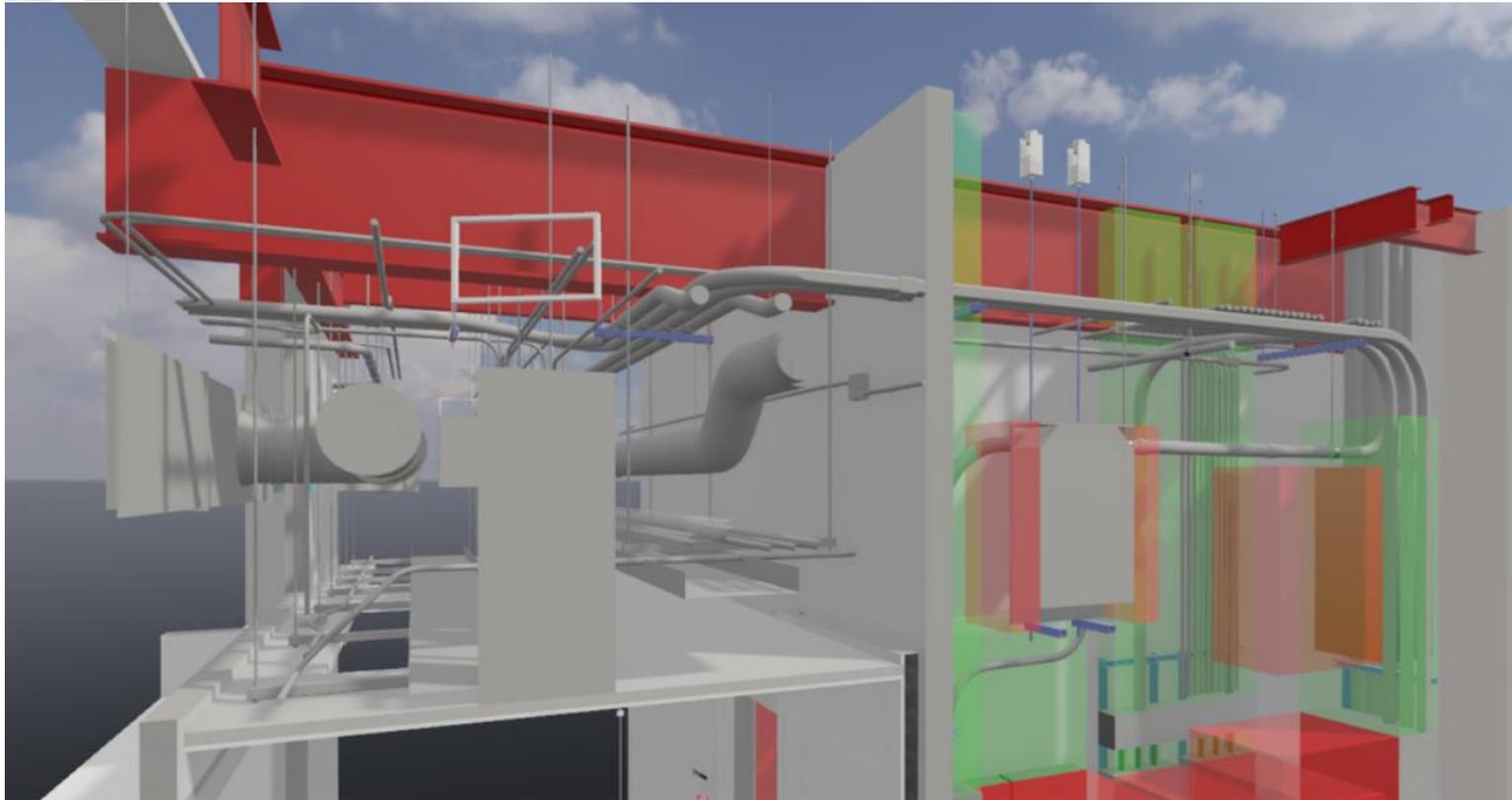
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Building Information Modeling (BIM)



Building Information Modeling (BIM)



Building Information Modeling (BIM)



Virtual Design Construction (VDC)



Virtual Design Construction (VDC)

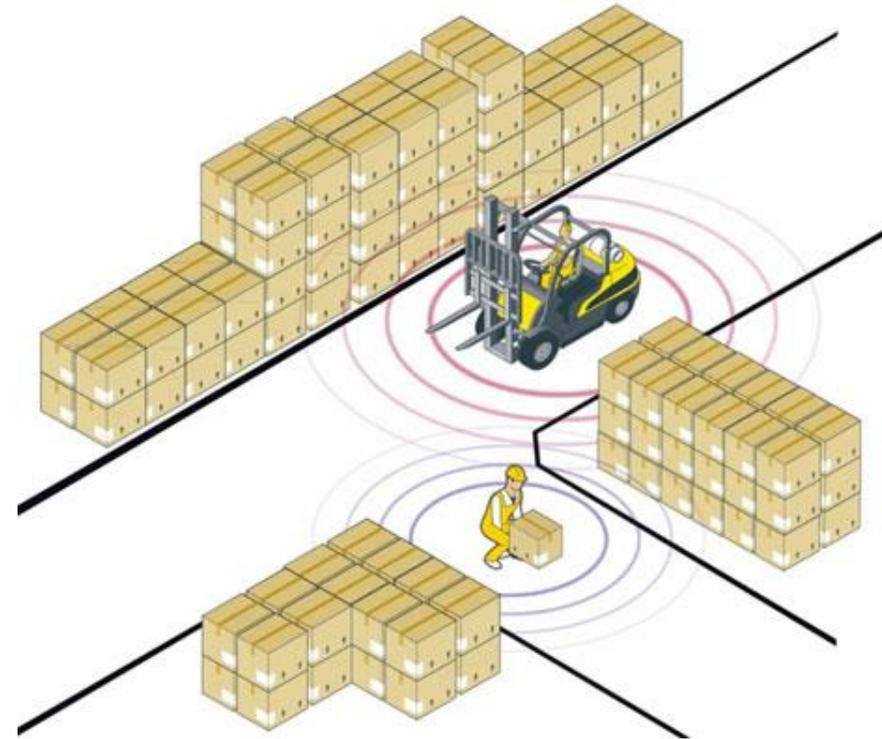


Virtual Design Construction (VDC)



Proximity Sensing

- Object, Equipment or Personnel Detection
- Infrared
- Lasers
- Radio Frequencies
- Bluetooth



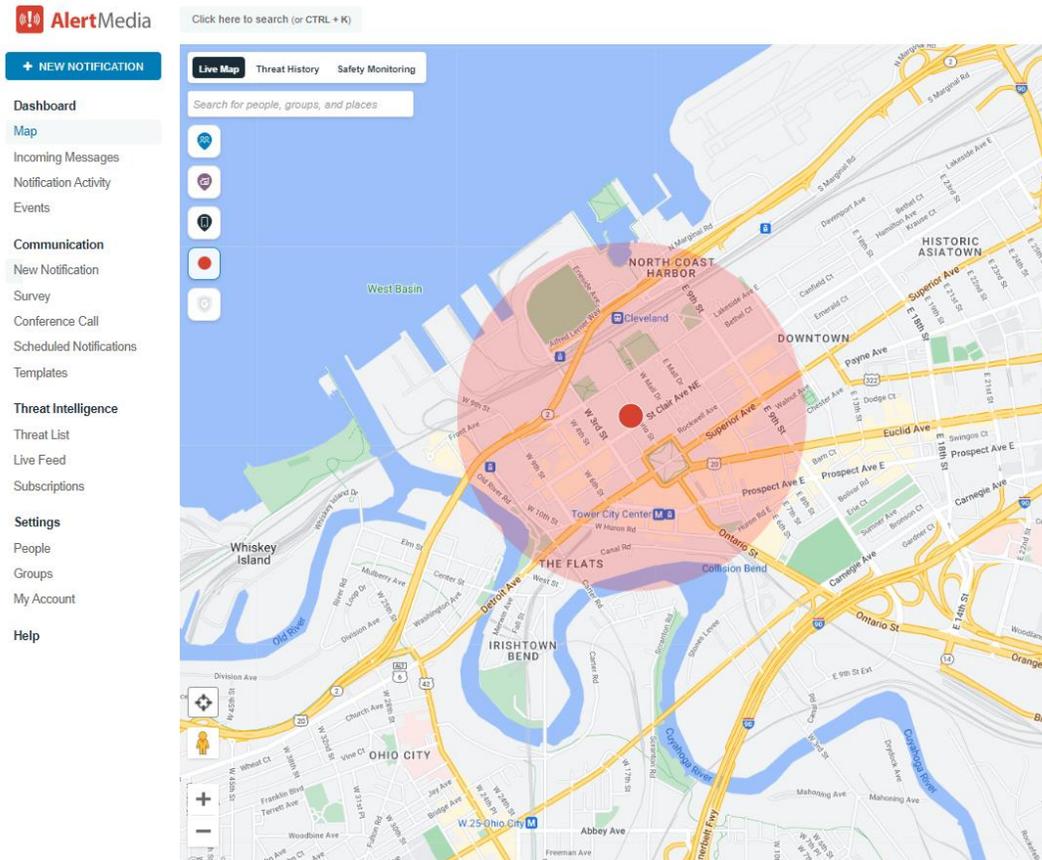
Geofencing

- Object, Equipment or Personnel Detection
- GPS



Geofencing

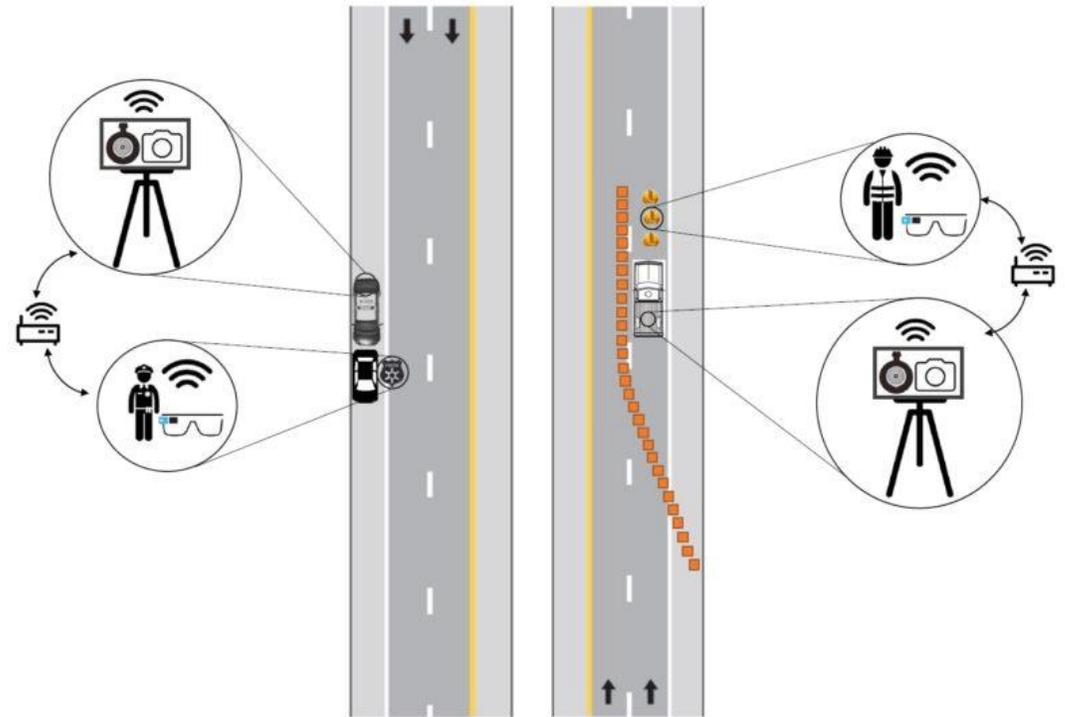
- Geographical Information & Alerts
- GPS



Work Zone Intrusion

- Alarms Linked to Cameras

Work Vehicle	
Channelizing Device	
Passenger Vehicle	
RGB Camera	
Thermal/Infra-red Camera	
Wireless Communication	
Construction Workers	
Law enforcement	
Smart Glasses	



Vital Sign Monitoring

- Heart Rate
- Body Temperature
- Body Weight
- Blood Pressure
- Blood Oxygen Level
- Fall Detection
- Noise Exposure Monitoring
- Sleep



Aerial Drones in Safety

- Elevation mapping
- Hazard inspections
- Tall structures
- Hard to reach structures
- Hazardous atmospheres
- Confined spaces

