

SAFER
Safe Actions For Employee Returns

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Technology and COVID-19:

Technology for Physical Distancing

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Sept. 3



Long Term Response to COVID-19
Sept. 24

Guest Speakers



Bennett Mayrock
Director, Business Development
StrongArm Technologies Inc.



Bobbie Schaefer
Risk Engineering, IoT Lab
The Hartford

Discussion

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*Technology and COVID-19:
Physical Distancing*

Physical distancing (aka social distancing) has been a very commonly used phrase and technique for mitigating COVID-19 risk. How has the tech industry responded and what technologies are available to assist in physical distancing in the workplace?

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Technology and COVID-19: Physical Distancing

What is StrongArm and what are the components of the FUSE Platform? What types of industrial risks do you capture?

CORE OF THE FUSE PLATFORM



S2 Dry - Daily Safety Score Report

(Click to Expand)

Job Function Standards					
Safety Score	Bends per Hour	Bend Angle	TIK Speed	Twist Speed	
58.3	184.3	95.6	86.7	30.6	

Group Safety Yesterday					
Safety Score	Bends per Hour	Bend Angle	TIK Speed	Twist Speed	
58.7	187.7	88.6	101.1	28.3	

Bottom 5 Worst Trending Athletes

Assigned Shift	Name (Last, FNAME)	Avg Safety Score - All time	Avg Safety Score - Last 7 days	SS Last 7 days vs. All time	Trending
S2 Dry	Jackson, T.	59.2	46.6	↓	Downwards
S2 Dry	Hobaggle, Jacob	64.6	56.3	↓	Downwards
S2 Dry	Stinson, D.	46.5	40.2	↓	Downwards
S2 Dry	Meredith, J.	59.2	55.6	↓	Downwards
S2 Dry	Fox, W.	55.2	52.4	↓	Downwards

Top 5 Best Trending Athletes

Assigned Shift	Name (Last, FNAME)	Avg Safety Score - All time	Avg Safety Score - Last 7 days	SS Last 7 days vs. All time	Trending
S2 Dry	Fraser, D.	53.2	65.0	↑	Upwards
S2 Dry	Reas Jr., L.	51.5	63.9	↑	Upwards
S2 Dry	Johnson, B.	62.2	69.0	↑	Upwards

THREE KEY COMPONENTS:

- 1) Lightweight Wearable
Real-Time Feedback and Collecting Data Points
- 2) Docking Station
Asset Management and Training
- 3) Forward-Indicating Reports
Trend Analysis, Coaching, and Efficacy Tests

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Technology and COVID-19: Physical Distancing

What was the story behind StrongArm developing the COVID feature set and how does it work?

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FUSE PROXIMITY FEATURES: COMBATING COVID-19

THREE TIER APPROACH

1. Real Time Alerts to Wearers
2. Daily Reporting to Managers
3. Advanced Analytics on Demand

- Help reduce the spread of COVID-19 in the workplace and ensure business continuity

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Technology and COVID-19: Physical Distancing

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Has there been a positive impact on physical distancing (aka social distancing) for customers currently using the platform?

SUCCESS CASES

THE PROVEN INDUSTRIAL SAFETY SOLUTION



CURRENT DEPLOYMENT SUCCESS

31%

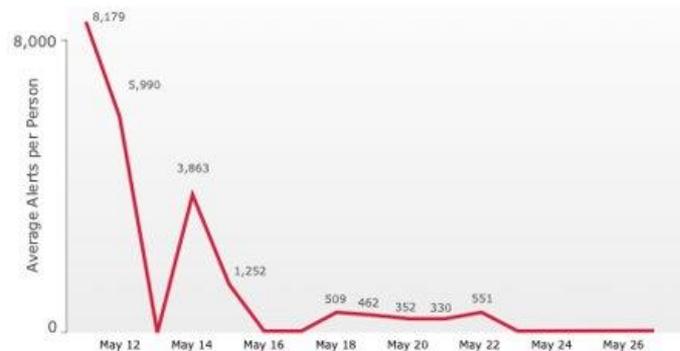
Decrease in proximity alerts between day 1 and day 2

82%

Decrease in proximity alerts between day 1 and day 20

95%

Decrease in exposure risk for individual with highest number of day-one alerts



In just two weeks, workers wearing FUSE dramatically changed their behavior to reduce risk of exposure to other people.

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How do you deploy this technology?

DEPLOYMENT

FUSE DOCK IS THE PERFECT TOOL FOR SCALABLE DEPLOYMENTS

- 25 sensors / dock
- Badge scan for assignment or 1:1
- Quick remote deployment for proximity
- Easily cleaned and disinfected



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What are the legal and privacy concerns?

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*Technology and COVID-19:
Physical Distancing*

Collecting the same broad category of info – i.e. the sensor's place in space.

Now just relating that space to other sensors.

All medical data stays on your side. We simply provide interaction maps to help you quickly contact trace and cut off an outbreak.

Not a substitute for testing and monitoring and cannot guarantee a user doesn't contract COVID or any other virus.

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Can you provide COVID response features while also identifying and warning against industrial risks?

LONG TERM VALUE



ERGONOMIC MONITORING

Gyroscope

Accelerometer

Magnetometer



ENVIRONMENTAL MONITORING

Humidity

Temperature

Decibel



PROXIMITY MONITORING

Distance

Tracing

Beacons

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Thank you!

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