



Spot-r by Triax Improves Injury Response Time by Up to 91%

Between 2015 and 2016, construction worker fatalities increased 6 percent and continued to account for 20 percent of all work-related fatalities – the highest number of any industry by far. Construction sites are large, dynamic work zones full of inherent dangers including heavy machinery and equipment, unpredictable weather conditions, and loud noises. As projects grow increasingly complex, and the workforce more diverse, manual methods of reporting an injury can't keep up with the controlled chaos of modern construction sites.

The Top Priority

In an industry facing a skilled labor shortage, workers continue to be the most valuable resource, and for family-owned **Gilbane Building Company**, there is no greater priority than ensuring that each worker returns home safely at the end of the day, which is what led them to adopt Spot-r by Triax at their sites. The wearable Spot-r Clip detects falls on the job, triggering an automatic alert to designated site personnel – in this instance, the site medic. In addition, the wearable device acts as a direct line of communication between workers and the medic, enabling workers to send an alert signaling distress (e.g. there is loose scaffolding, another worker is injured, they sense a medical emergency coming on, etc.) – all without having to leave their work area.

A New Approach to Site Safety

Compare this to methods traditionally used to identify or communicate a site safety issue. Before Spot-r, workers were reliant on fellow workers to see/hear the incident and leave their post to track down the site medic in the jobsite trailer and lead them back to their location to receive help. If a worker is alone in a remote jobsite location, like the basement, he or she would have to either shout for help and hope someone hears; or use their personal cell phone to report the incident – all incredibly inefficient, imprecise methods. And what about those situations where a worker is too injured to reach for a cell phone, doesn't have the correct emergency number, or is temporarily unconscious?



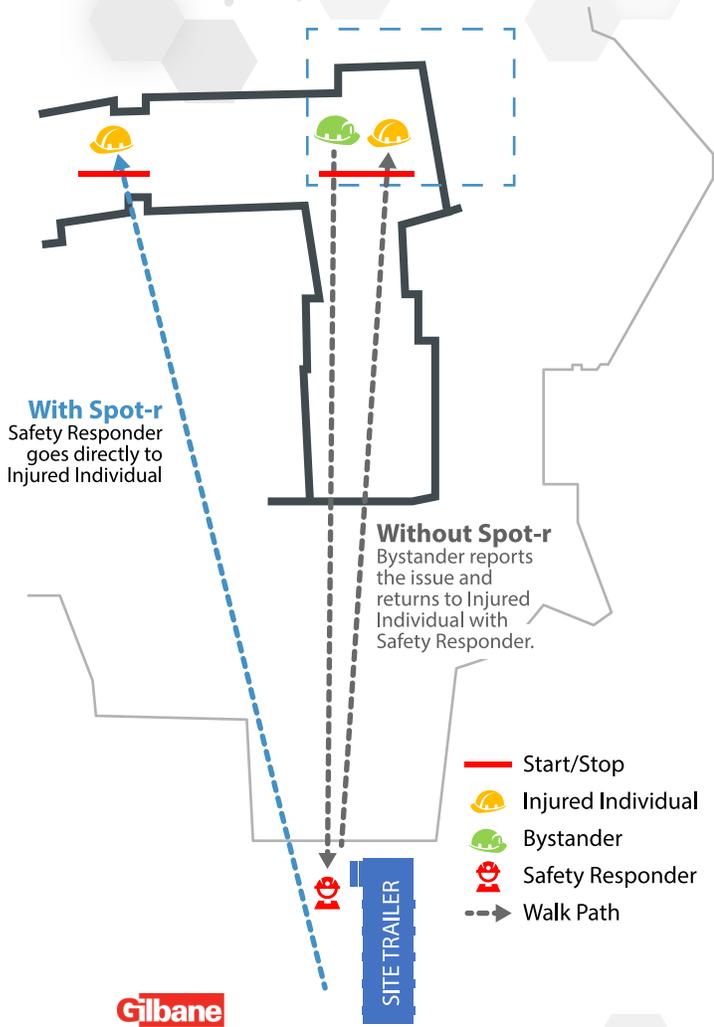
- Automatic fall alerts
- Worker self-alerts
- Real-time, zone-based location
- Non-GPS, Non-WiFi solution

Previously, workers were forced to rely on:

- Nearby workers leaving to get help
- Personal cell phone to call for help
- Another worker discovering them in a remote area

When it comes to worker safety, nothing can be left to chance, and the consequences of delayed notification – and subsequently delayed response – can be the difference between increased injury severity or even death. With automatic fall notifications and worker push-button alerts, **Spot-r reduces response time by up to 91%**. In an emergency situation, the speed at which responders are able to reach the injured individual is critical. In this example, **Spot-r-enabled responders were found to be nearly twice as fast at locating a worker than those without Spot-r.**

Manual Response vs. Spot-r-Enabled Response



Fairfield University Residential Dorm Project Site

By connecting this project site at **Fairfield University** in Fairfield, CT – without the need for unlimited external power, wireless internet, or personal mobile devices – and embracing the power of cutting-edge safety technology, Gilbane has the ability to reduce response time by streamlining the lag between when an incident occurs, when designated personnel are notified, and when aid arrives.

