



## The Challenge: Making Emergency Management Plans Effective for Everyone

Every job site is required to have a plan for how to evacuate and muster all employees and contractors, as well as verify that everyone is safe and accounted for, in the event of an emergency. Evacuating the site fast, locating and confirming that all workers are safely evacuated, and if not, what part of the job site they are located in, are currently very challenging. In a matter of minutes, each incident commander or muster warden needs to know:

- Who is on site today?
- What contractors are on site right now?
- Who was supposed to muster at any specific point?
- Who has showed up as an extra? Are any of my team members mustered at a different point?
- Is anyone still in the facility?

Without automation, this is a frustrating and dangerously slow process. Many sites cannot account for their workers before it is too late in an actual emergency scenario.

## An Example: Evacuation and Muster Performance

At the Tioga Gas Plant in North Dakota, a leading independent energy company had set a target to muster all employees within 15 minutes. For some time, they had been unable to bring that time under 25 minutes. This issue was highlighted in a safety audit, which led to an RFP for solutions that could help identify and remediate issues on site that caused prolonged time to muster. They needed:

- An automated muster report to account from origin to muster point for all workers and site managers
- A way to ensure the speed of evacuation by team and by individual
- Automated audits for who is on site at the moment of evacuation
- Detailed reporting so issues can be identified and fixed

“I have never seen a site this size evacuate and check everyone in so quickly. This is easily the fastest system I have ever seen on any site I have audited. Going from 30+ minutes down to seven is incredible. This will save lives.”

— **David S.**  
Solutions and Technology Lead, Worley

## The Solution: Spot-r®'s Automated Evacuation and Muster

Triax had an active relationship with several teams at the independent energy company, so when they surfaced their need, we were an obvious benchmark or any other tenders. Triax offered a unique set of features:

1. Complete end-to-end solution - Triax doesn't require additional integrations to deliver a fully automated evacuation and muster reporting and analysis package.
2. 48-hour deployment with no IT - Triax is a completely self-contained solution. On the job site itself, our Spot-r Gateways plug in, connect to cellular data, and work instantly with no IT setup. At remote muster sites, our solar-powered gateways don't even require electricity run out to them. It took our team 2 days to roll out deployment across the whole facility.
3. Instant improvement in reporting - Using our automated muster point reporting, the team reduced productivity disruptions for the entire plant on the first drill muster alone, creating labor savings that nearly paid for the annual cost of Triax's platform.

## The Result: Dramatic Drop in Time-to-Safety

The average time to evacuate the oil field and muster at assembly points dropped dramatically from 30+ minutes to barely seven. Immediate wins included:

- 70%+ drop in time to safety
- Real-time insight into workers not at refuge throughout the plant
- Identified which individuals needed additional training on evacuation procedures using automated reporting
- Adjusted muster points for added efficiency based on average time to muster at each assembly point
- Avoided added opportunity costs related to training or overhead from in-house IT during on-site deployment



**Learn More**  
hello@triaxtec.com  
203-803-9879  
www.triaxtec.com